

<u>ITEM</u>	<u>GOALS and</u> <u>ACTION ITEMS</u>	<u>WHO</u>	<u>WHEN</u>	<u>STS</u>
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. Areas shallower than 6 feet can have a harvested path of 60 feet wide with a harvest depth 4 feet or less. The path will get no closer to the shoreline than the docks. No machine harvesting in the areas between the shoreline and the ends of the boat docks. A 30 foot path may be hand harvested in these areas.	Tri-Lakes Mgmt District	2004 to 2009	C
	2. Conservancy areas will be marked on the harvest maps. 60 foot wide paths will be harvested in a criss-cross pattern. Harvesting depth shall be 4 feet or less.	Tri-Lakes Mgmt District	2004 to 2009	C
	Monitor the harvesting of aquatic plants			
	1. WDNR representative and a Tri-Lakes Management representative will together annually inspect harvesting operations.	WDNR Tri-Lakes Mgmt District	2004-2009	C
	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	Tri-Lakes Mgmt District	2004-2009	C
	3. Tissues samples will be randomly taken from harvested plants and sent to a certified lab to measure the phosphorus content. This is done to determine the amount of phosphorus being removed from the lakes by harvesting plants.	Tri-Lakes Mgmt District	2004-2009	C

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Aquatic Species Management continued ...	Eliminate the use of chemicals to control aquatic plants to improve water quality. This excludes noxious weed and invasive plant control.			
	1. Deny aquatic plant spraying permits for aquatic plant control around docks. Dead decaying plants release nutrients that algae uses for growth.	Tri-Lakes Mgmt District	2005	C
	2. Educate individuals who apply for spraying permits on alternative control methods. A fact sheet will be developed and given to individual when they receive the permit.	Tri-Lakes Mgmt District Adams LWCD, DNR	2005	C
	Update 2000 Aquatic Plant Community Survey			
	1. WDNR Lake Classification grant specifies aquatic plant survey to be conducted. Aquatic plants will be identified and quantified.	Adams LWCD, WDNR	2005	
	Prevent the spread of & try to eliminate invasive & noxious species			
Revised 5/4/2005	1. Invasive plants and noxious weeds will be mapped during aquatic plant survey.	Adams LWCD, DNR	2005	
Revised 5/4/2005	2. Develop and implement plan to: control existing exotic, invasive and noxious species; and prevent the introduction of exotic, invasive and noxious species. This plan will include an educational component and a boat inspection component	DNR, Private consultants Adams LWCD Tri-Lakes Mgmt District	2006	
Revised 5/4/2005	3. Pursue financial assistance for implementation of prevention and control plan.	DNR, Private consultants Adams LWCD Tri-Lakes Mgmt District	2006	

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Aquatic Species Management continued ...	Manage the impacts to the lakes resulting from the Zebra Muscle invasion.			New
	Education			
	1. Arrange for a series of articles and provide material to the Wisconsin Rapids Newspaper, Adams Friendship newspaper and lake association newsletters.	Tri-Lakes Mgmt District Adams LWCD, DNR	Annually	
	2. Monitor boat landings to educate boat owners using volunteers from associations.	Tri-Lakes, Associations Adams LWCD, DNR	Annually	
	3. Hold a special meeting to update the Lake Management Plan regarding Zebra Muscles. Mail updated plan to the advisory group.	Tri-Lakes Mgmt District Adams LWCD, DNR	Annually	
	Monitor the impact of Zebra Muscles			New
	1. Sample for Blue Green Algae presence during July August and September. Based on Weed Harvester Operator notification to the DNR.	Tri-Lakes Mgmt District Adams LWCD, DNR	Annually	
	2. Do veligers sampling at 5 sites in Lake Arrowhead and 3 sites in each of the other lakes.	Tri-Lakes Mgmt District Adams LWCD, DNR	Annually	
	3. Set up Platform Monitoring sites in each lake.	Tri-Lakes Mgmt District Adams LWCD, DNR	Annually	
	4. Examine dam structures & operation.	Tri-Lakes Mgmt District Adams LWCD, DNR	Annually	
	5. Examine habitat transects to determine densities at various levels.	Tri-Lakes Mgmt District Adams LWCD, DNR	2005	
	6. Review impact on native muscles	Tri-Lakes Mgmt District Adams LWCD, DNR	2005	
	Action Steps			New
	Based on monitoring results consider drawing down a lake once every 3 years. Alternate the lake to be drawn down each year to ensure sufficient water to refill the lake in the spring. The first year would be Lake Arrowhead in 2006. Maximum density of Zebra Muscles is expected every 2 to 3 years.	Tri-Lakes Mgmt District Adams LWCD, DNR	2006	

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Dams	Maintain and operate Arrowhead, Sherwood, and Camelot Dams to: insure public safety, proper dam function, and a stable lake level.			
	1. Conduct annual inspections and record findings as specified in WDNR standards	engineer certified by Nat'l Assoc. of Prof. Eng.	annually	C
Revised 5/4/2005	2. Operate, inspect, and repair dams to meet Wisconsin laws in Chapter 31 and NR Chapter 330. Tri-Lakes is under contract to operate the dams.	Adams LWCD Tri-Lakes Mgmt Dist.	daily	C
	3. Review and update the Emergency Action Plan	Adams LWCD	annually	C
	4. Implement the Emergency Action Plan in times of emergencies	County Board Chair and Adams LWCD	as needed	C
	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.	Adams LWCD	annually	C
	6. Recruit residents in the Town of Rome to apply for County dam operator positions.	Tri-Lakes Mgmt Dist.	as needed	C

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Recreational Uses	Manage lakes for boating and skiing.			
Revised 5/4/2005	1. Designate areas for boating/skiing as part of the harvest plan.	Tri-Lakes Mgmt District	2004 - 2009	C
	2. Regulate lake traffic to increase lake safety. This will be accomplished by implementing and enforcing state laws, county and town ordinances, and lake association covenants.	Tri-Lakes Mgmt District Lake Associations Town of Rome Adams LWCD, WDNR	2004 to 2009	C
Revised 5/4/2005	3. Recommend methods of enforcing state laws, county and town ordinances. Methods may include anonymous tips hotline, good will ambassador groups, & education. Once methods have been identified, develop strategy to implement.	Tri-Lakes Mgmt District		C
	Manage lakes for fishing.			
	1. Annually stock bass, panfish, and forage fish in lakes as funding allows.	Lake Associations	2004 - 2009	
	2. Stock walleye every 2 years and northern pike every 4 years as funding allows	WDNR	2004-2009	
	Manage lakes for swimming.			
	1. Improve safety of public swim area on Camelot Lake by marking with buoys	Town of Rome Adams Park & Rec.	2004 to 2009	
	Improve and develop parks associated with the Tri-Lakes			
	1. Coordinate efforts to develop plan to improve and develop Tri-Lakes parks.	Town of Rome Adams Park & Rec. Lake Associations	2005 to 2007	

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<u>ITEM</u>	<u>GOALS and ACTION ITEMS</u>	<u>WHO</u>	<u>WHEN</u>	<u>STS</u>
Shorelands - area within 1000 feet of the lake.	Reduce phosphorus and ammonia entering groundwater that then enters in to Tri-Lakes.			
	1. Form a Sanitary District for the purpose of regulating pre-1992 septic systems according to Wisconsin Administrative Code COMM 83.	Tri-Lakes Mgmt District	2004	C
	2. Develop a fact sheet to support the formation of the Sanitary District and distribute the fact sheet to all Tri-Lakes Management District members.	Tri-Lakes Mgmt District Adams LWCD	2004	C
	3. Inventory and map septic systems within the Tri-Lakes Management District	Tri-Lakes Mgmt District Adams LWCD	2007 to 2008	
	4. Investigate new septic system technology & develop plan to incorporate the new technology into local and state regulations	Tri-Lakes Mgmt District Adams LWCD, WDNR	2005	
	Reduce nutrients entering the Tri-Lakes by surface water.			
Revised 5/4/2005	1. Develop policy and regulation to eliminate the use of phosphorus in lawn fertilizers and household products. Develop a educational plan to assist with enforcement.	Adams LWCD Tri-Lakes Mgmt District Town of Rome	On-going	
	2. Educate lake shoreline owners on the benefits of riparian buffers and storm water runoff management utilizing meetings, newsletters, and individual visits.	Tri-Lakes Mgmt District Adams LWCD	2005 to 2009	
	3. Inventory Tri-Lakes shorelines to identify shoreline erosion and areas with no riparian buffers and no storm water runoff management.	Adams LWCD	2004	C
	4. Plan/design & offer cost share to install shoreline protection, riparian buffers, and storm water runoff management to areas identified in inventory. Utilize Adams Soil & Water Resource Mgmt Program & WDNR financial assistance programs.	Adams LWCD WDNR, landowners	2005 to 2009	
	5. Investigate economic incentives to shoreline property owners who install and maintain riparian buffers. Determine if this is viable & develop implementation plan	Tri-Lakes Mgmt District Town of Rome, LWCD	2006	

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Water Quality	Reduce algae blooms and nutrient levels.			
Revised 5/4/2005	1. Quantify yearly nutrient reduction goals.	Adams LWCD, WDNR Tri-Lakes Mgmt District	2005	
	2. Monitor water quality to measure success of meeting nutrient reduction goals. Tri- Lakes will be sampled and tested for clarity, chlorophyll a, & total phosphorus and compare to 2002 data (Appendix E).	Adams LWCD Tri-Lakes Mgmt District	2004 to 2009	C
	Educate community and public about ways to improve water quality.			
	1. Write and publish informational articles in lake association newsletters, and . in Wisconsin Rapids Tribune.	Adams LWCD Lake Associations Tri-Lakes Mgmt District	quarterly each year	C
	Practice proper land use utilizing Comprehensive Plans and Zoning			
Revised 5/4/2005	1. Within the Tri-Lakes watershed, continue to implement existing township smart growth plan.	Town of Rome	2004 to 2009	
Revised 5/4/2005	2. Encourage smart growth plan development by attending town meetings in those towns within the Tri-Lakes watershed who do not have Smart Growth Plans.	Adams County Planning and Zoning	2004 to 2009	

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Water Quantity	Maintain lake levels that enhance water quality and meet the requirements of Wisconsin Statute Chapter 31.			
	1. Operate dams to maintain lake levels and outflows as stated by WDNR. These operating levels are listed in Adams County I.O.M Plan (Appendix G)	Adams LWCD	annually	C
	2. Change Camelot Lake minimum winter water elevation from 1009.5 to 1011.4 Change Sherwood Lake minimum winter water elevation from 990.03 to 992.2 .	Adams LWCD, WDNR	2006	
	3. Change date of April 15 to "ice out" for determining when to raise and lower lakes. Change Arrowhead Lake minimum winter water elevation from 961.5 to 963.7	Adams LWCD, WDNR	2004	C
	4. Investigate to gather information on advantages versus disadvantages of major drawdowns. Present findings to WDNR.	Lake Associations	2004 to 2006	
Revised 5/4/2005	5. Investigate groundwater net flow around and through dams and determine what nutrient content the flow contains. Present findings to WDNR.	Tri-Lakes Mgmt District Adams LWCD	2004 to 2006	
	6. Determine the costs to landowners effected by the elimination of the drawdowns. Provide these results to landowners. Also provide information on grants that will assist landowners with shoreline protection and restoration.	Adams LWCD, WDNR	2005	
	Maintain stable stream flows into and out of the Tri-Lakes.			
	1. Operate dams in proactive manner so large quantities of water are not released causing downstream flooding & streambank erosion. Lake levels will be lowered in a slow manner to accommodate anticipated heavy flows from the upper watershed	Adams LWCD	annually	C
Revised 5/4/2005	2. Investigate options for monitoring flows into Camelot Lakes. Make a decision if monitoring is a viable option and if so, develop plan to monitor flows.	Tri-Lakes Mgmt District Adams LWCD	annually	C

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Watershed - land outside of shoreland area	Reduce 50% the total phosphorus, total nitrogen, and total solid sediments entering Leola Ditch, 14 Mile Creek, and Unnamed Ditch 13-13 by 2010.			
	1. Inspect the drainage district annually to determine if requirements of Chapter 48 are being met, specifically: buffer corridors established and maintained around ditches; whether cross-sections or grade profiles of district ditches have changed; whether any ditches should be restored, altered or improved to ensure proper erosion or sedimentation problems. A report summarizing the annual inspection will be filed with the County Planning and Zoning Dept. by December 1 of each year.	Adams Drainage Board	annually	
	2. Implement State Agricultural Performance Standards by inventorying watershed and documenting: runoff from livestock confinement operations entering surface waters; livestock direct access sites; uncontained livestock manure storage facilities; soil erosion sites, and producers not implementing nutrient management plans and irrigation water management plans. Offer County, State, Federal cost share assistance and plan/design assistance to landowners identified in inventory so best management practices are installed for compliance with the State Agricultural Performance Standards.	Adams LWCD, NRCS DNR, Waushara LWCD private organizations Agriculture Producers	2005 to 2009	
	3. Utilize the USDA-Environmental Quality Incentive Program to provide plan/design and financial assistance to cranberry producers to implement best management practices to improve water quality and quantity.	USDA-NRCS Wisconsin Cranberry Growers Assoc.	2005 to 2006	
	4. Sample and test water as it enters Lake Camelot to determine total phosphorus, total nitrogen, and total solid sediments to measure level of accomplishments.	Tri-Lakes Mgmt District Adams LWCD	annually	
Revised 5/4/2005	5. Develop a presentation to show how water shed activities are impacting the Tri-Lakes. Show presentation to Adams Drainage Board and Ag. Producers.	Tri-Lakes Mgmt District Adams LWCD	2005	

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Watershed - land outside of shoreland area continued ...	Create community awareness and improve community knowledge about watershed activities		
	1. Conduct a tour of cranberry and potato production operations to demonstrate best management practices.	USDA-NRCS, LWCD Wisconsin Cranberry Growers Assoc.	2007
	2. Educate landowners, agricultural producers, and community about State Agricultural Performance Standards and best management practices utilizing newsletters, meetings, and individual visits.	Adams LWCD, NRCS DNR, Waushara LWCD	2005 to 2009