

Table 39 cont. Implementation Tasks and Actions

Objectives	Tasks	Priority (L,M,H)	Milestone	Notes	Potential Partners	Estimate Total Cost	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
GOAL 2 - Aquatic Ecosystem: Protect the quality of water resources in the Portage Lake Watershed, as well as other essential habitats, to maintain the integrity and functions of the aquatic ecosystem.																
2.D. Implement site-specific best management practices to address stormwater runoff, soil erosion, shoreline protection, and pollutant source areas at identified problem areas.	2.D.1. Determine the most effective methods to address issues in the Watershed; implement as appropriate.	H	Plan in place by year five, list of potential projects by year ten.		PLWF, PLA, MDNR, EGLE, MSU Ext., MCD, PIW	\$8,125					Plan Complete					List Complete
GOAL 3 - Water-Based Recreation: Protect and enhance the quality of and access to water-based recreational opportunities within the Portage Lake Watershed for people of all ages and abilities.																
3.A. Maintain access to Portage Lake for boat-based recreation.	3.A.1. Support and participate in the efforts of the Portage Lake Harbor Commission to secure adequate, sustained funding for the dredging of Portage Lake Channel to depths required to accommodate recreational boating access.	H	Evaluate outside funding needs every five years.		PLWF, Harbor Commission, USACE, other partners as appropriate	\$ 30,000	Evaluate					Evaluate				
	3.A.2. Support improvements and maintain existing boating access, marina facilities, and current public access sites for launching of watercraft into Portage Lake.	H	Develop list of potential projects by year two; Complete five maintenance projects by year ten.	Maintain current signage at access sites	PLWF, Onekama Twp., Village	\$2,500		Develop List								Complete projects
	3.A.3. Support efforts to acquire additional properties for boating and non-boating public access to Portage Lake.	H	Identify properties by year three; Support acquisition of two additional properties by year ten.	Also supports 3.C.3. below	PLWF, Onekama Twp., Village	\$ 2,500			Identify							Acquire
	3.A.4. Support maintenance of north and south piers of the Portage Lake Channel breakwall to reduce the frequency of maintenance dredging and at the same time accommodate larger vessels.	M	Ongoing.		PLWF, USACE, Onekama Twp., Harbor Commission, Village, Local Businesses	\$6,250	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
	3.A.5. Monitor use to identify capacity and identify other concerns at public access sites for launching of watercraft into Portage Lake.	H	Monitor every two years.		PLWF, MDNR, Onekama Twp., Village, MCRC	\$2,500		Monitor		Monitor		Monitor		Monitor		Monitor

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GOAL 3 - Water-Based Recreation: Protect and enhance the quality of and access to water-based recreational opportunities within the Portage Lake Watershed for people of all ages and abilities.																	
3.B. Actively support sustainable fish community management objectives for Portage Lake Watershed that focus on self-reproducing populations of both warmwater and coldwater fish species in Portage Lake and in tributaries.	3.B.1. Inventory easily measured physical, biological, and chemical conditions within tributary streams.	L	Complete annual inventory.	Refer to Monitoring Plan	PLWF, MCD, MSU Ext., EGLE, LRBOI, Onekama Twp., Village	\$37,500	Inventory	Inventory	Inventory	Inventory	Inventory	Inventory	Inventory	Inventory	Inventory	Inventory	
	3.B.2. Monitor conditions within and adjacent to tributary streams to protect fish habitat.	L	Monitor every two years.	Refer to Monitoring Plan	PLWF, MDNR, USFWS, LRBOI	\$1,250		Monitor		Monitor		Monitor		Monitor		Monitor	
	3.B.3. Assist with fisheries surveys in Portage Lake and in tributaries.	L	Complete survey every ten years.	Refer to Monitoring Plan	PLWF, MDNR, USFWS, LRBOI	\$3,500											Survey
	3.B.4. Actively support fish planting and stocking programs to ensure fishable populations.	L	Ongoing.		PLWF, MDNR, Manistee County sport fishing, Manistee Area Charter Boat Association	\$10,000	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
	3.B.5. Determine, in conjunction with other local, state, federal, and tribal resource management agencies, locations on Portage Lake where shore-based fishing opportunities can be enhanced.	M	Determine by year five.		PLWF, MCCF, AES, EGLE, MDNR, USFWS, LRBOI, USACE	\$2,500	Evaluate	Evaluate	Evaluate	Evaluate	List of locations						
3.C. Promote, maintain, and where practicable enhance accommodations for non-boating public recreational uses of Portage Lake.	3.C.1. Review Manistee County Parks and Recreation Plan for any changes to public access sites on Portage Lake.	M	Review every five years.	For any new public access sites determine the capacity and appropriateness of various uses and identify opportunities for enhancement	PLWF, Onekama Twp., Village, County Planning Department, Onekama Parks and Recreation	\$2,250					Review & Update					Review & Update	
	3.C.2. Prepare recommendations to the public agencies that control non-boating public recreational uses sites for enhancements.	M	Recommendations outlined by year five.	Including activities such as swimming, wading, lakeside walks, and wildlife viewing	PLWF, Onekama Twp., Village	\$2,750	Prepare	Prepare	Prepare	Prepare	Distribute						
	3.C.3. Consider the purchase or acquisition of property within the Portage Lake Watershed for habitat protection, public use, access, and recreation.	H	Have potential property list completed by year five; Update list and priority every two years.	Update identified key properties within the Watershed (1,000 ft. from any stream/shoreline)	PLWF, encourage other partners	\$5,000					List Complete		Update			Update	

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3.D. Provide a forum to help resolve conflicts between recreational users of Portage Lake by anticipating problems and proposing alternative solutions that provide for equitable allocation of surface and shoreline natural resources.	3.D.1. Cooperate with the appropriate public authorities and other affected parties to implement recommendations for conflict resolution (e.g. No Wake Zone Meetings, education of no wake zones, etc.).	L	Host a forum every five years to discuss recommendations for conflict resolution. Put article in newsletter every five years.	Ongoing case by case conflict resolution	PLWF, MDNR, Village, USCG	\$3,250					Public Forum					Public Forum
GOAL 4 - Natural Resource and Cultural Assets: Invest in protection and enhancement of land-based natural resources and related cultural assets that provide recreational and educational benefits unique to the Watershed and contribute to the quality of life and economic well-being of local residents while expanding the vacation experiences of visitors.																
4.A. Preserve, enhance, and promote access and use of the scenic vistas in the Watershed.	4.A.1. Map the location of scenic vistas in the Watershed that local residents and visitors identify as significant places.	L	Map by year five; Update every five years.		PLWF, Townships, Village, County	\$15,000					Map					Update
4.B. Preserve and enhance public understanding and appreciation of specific historical sites, structures, centennial farms, and historical artifacts to provide a better understanding of natural resources of the region.	4.B.1. Update mapped sites of historical significance in the Watershed within the Manistee County Parks and Recreation Plan.	L	Complete updates by year five; Review by year ten.		Manistee County, PLWF, Historical Museum, County	\$12,500					Update					Review
	4.B.2. Develop a plan to encourage private and public efforts to preserve, protect, and provide interpretation of sites of historical significance in cooperation with other public entities, private organizations, and other interested stakeholders.	L	Develop by year six.		PLWF, LRBOI, Historical Museum, PLA, service clubs	\$6,750						Plan Developed				
GOAL 5 - Local Management and Implementation Institutions and Community Education: Establish mechanisms to provide sustained local leadership, community engagement, and fundraising needed to assure implementation and updating of the Portage Lake Watershed Forever Plan.																
5.A. Maintain an organizational structure that encourages sustained local leadership needed to engage the public, manage projects, and raise funds needed to implement and periodically update this plan.	5.A.1. Continue to utilize the Manistee County Community Foundation to hold and administer funds in support of the implementation of the Portage Lake Watershed Forever Plan.	H	Evaluate every two years and modify services as appropriate.		PLWF, AES	\$27,500		Evaluate		Evaluate		Evaluate		Evaluate		Evaluate
	5.A.2. Maintain the Portage Lake Watershed Forever Endowment Fund; the Portage Lake Watershed Forever Annual Fund and the Portage Lake Watershed Wetlands Fund.	H	Review funds annually.	Ensure funds are available for next years expected expenses	PLWF	\$2,500	Review	Review	Review	Review	Review	Review	Review	Review	Review	Review