<b>Tab Name</b>	Tab Description	Abbreviations used for potential partners or funding sources:
Cat A	Shoreline/Streambank Issues	AES: Alliance for Economic Success
Cat B	Stormwater and Run-off	Conservation Districts: Mason-Lake Conservation District; Osceola-Lake
Cat C	Planning, Zoning and Land Use	Conservation District; Manistee Conservation District  CRA: Conservation Resource Alliance
Cat D	Road-Stream Issues	GTRLC: Grand Traverse Regional Land Conservancy ISN: Invasive Species Networks: Northwest Michigan Invasive Species
Cat E	Land Protection and Management	Network; North Country Cooperative Invasive Species Area
Cat F	Habitat for Fish and Wildlife	LMWCC: Little Manistee Watershed Conservation Council LRBOI: Little River Band of Ottawa Indians
Cat G	Recreation, Safety, Navigation and Human Health	MDARD: Michigan Department of Agriculture and Rural Development
Cat H	Hydrology, Groundwater and Wetlands	MDEQ: Michigan Department of Environmental Quality MDNR: Michigan Department of Natural Resources
Cat I	Water Quality Monitoring	MDoT: Michigan Department of Transportation MNSP: Michigan Natural Shoreline Partnership
Cat J	Invasive Species	MSU: Michigan State University
Cat K	Wastewater and Septic Systems	MSUE: Michigan State University extension MTA: Michigan Townships Association
Cat L	Information and Education	NNW: Networks Northwest

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ategory A: Shoreline/Streambank Issues	;										Current Tasks			
ask	Priority	Unit Cost	Estimated Total Cost		Milestone 2022-25	Milestone 2026-28	Potential Project Partners	Potential Funding Sources	Objectives Addressed	Notes	Task Description	Status	Target Date	Leader
Restore severe and moderate streambank erosion sites identified in CRA inventory. Use whole-tree revetments where practicable to improve aquatic habitat while stabilizing streambanks.	Н	\$120 per linear foot	\$300,000	12 sites restored	С	10 additional sites restored	<u>LMWCC</u> , CRA	Private property owners; Fisheries Trust; Grants	2; 3c; 3e	inventory at www.northernmichiganstreams.c	All Severe and Moderate Sites from 2014/2015 survey (except NFS) Work with NFS to address their sites.	1 Severe, 7 Moderate Remain (3 landowners need identified).	Fall 2019	Tim Phillips/CRA
Update streambank inventory on Little Manistee River and major tributaries on 10-year cycle.	М		\$18,000	Х	Inventory updated	X	CRA	Trout Unlimited; G.L. Fisheries Trust	3c; 3e	Could be expanded to include streamside habitat (F5) and invasive species (F6) inventories.		CRA is working on proposal.  Ash Boring Project may take up funds this year if it proceeds.	Proposal due Winter/Spring 2019	Tim Phillips/CRA
Work with conservation districts and MSU extension to demonstrate natural shoreline protection techniques on Cool, Harper and other developed lakes in the Watershed.	М	\$5,000 per site	\$15,000	One site demonstration complete	С	С	Lake Associations; property owners	Private Property owners; MSUE; Cons. Dists	3c	Shoreline Partnership and local certified contractors	Initiate contact with Conservation Districts, MSU, DEQ, Michigan Natural Shoreline Partnership and Lake Associations.  Refer to Michigan Forestry Best Practices Manual  Arrange Educational Outreach meeting with Julia Kirkwood MDEQ Lansing presentiing.  Select Demonstration Sites.		Fall 2021	LMWCC/Steering Committee
Complete removal of sand-berm dam at Syers Lake to restore natural lake configuration and perenneal flow to Syers Creek	Н	\$120,000	\$120,000	Project complete	Creek monitored	C	CRA; LMWCC; private landowners	LMWCC; T.U.; Grants; Private landowner funds	2e	Funding committed for 2018/2019	Complete removal of sand-berm dam at Syers Lake to restore natural lake configuration and perenneal flow to Syers Creek	0,1 0, 0	Summer 2019	Tim Phillips/CRA

Category B: Stormwater and Run-off											Current Tasks			
Task	Priority	Unit Cost	Estimated Total Cost	Milestone 2018-21	Milestone 2022-25	Milestone 2026-28	Potential Project Partners	Potential Funding Sources	Objectives Addressed	Notes	Task Description	Status	Target Date	Leader
Update stormwater infrastructure and impervious surface maps. Identify problem sites and institute Green Infrastructure BMP's for all new construction.	L	unknown		х	Maps and BMP education in place	С	County Planning Departments; MSUE; Networks Northwest	foundations; in-	2d; 3c		Cool Creek - Beef Cattle in River 44.161515, -86.001787  Ask Jamie VanDerZandenn @ Mason Lake Conservation District to Approach Owner about MEAP program. Put her in contact with Jackie McKellar.	New item as of 2/19	Summer 2019	Armas
Inventory & monitor all streams for nutrients, E. coli, and other pollutants, including thermal stressors. Institute BMP's as appropriate.	Н	See task 12	See task 12	Existing program continues	Progbram expanded to additional sites	С	LMWCC	LMWCC funds; volunteers	3a; 3b; 3e	This is a continuation and expansion of existing LMWCC program. For costs, see I2		Continuing existing river program other items are new for 2019.	Develop Well monitoring program in 2019	Joyce Durdel
Promote shoreline stewardship education through Michigan Natural Shoreline Partnership and local conservation districts  B3	М	no new costs identified		x	Information available on Websites or through Township mailings	С	Conservation Districts; MNSP;		3c; 3e		Make part of general meetings with conservation districts			Armas
Promote reforestation of public and private lands within the stream corridor to reduce storm runoff and thermal pollution.	Н	\$5,000 per year		Sites identified	Reforestation activity on 5 sites	Reforestation activity on 10 sites	Conservation districts; Private land owners; U.S. Forest Service; MDNR	Private funds; grants	2a; 2c; 2d	This task is important due to loss of ash, oak and beech trees to insects and disease.	Initiate contact with Conservation Districts (Josh Shields) and put in LMWCC news letter.  Make part of Education Program.	New item as of 2/19	2019	Jim Squire/David Pruance
Encourage voluntary private land stewardship practices such as native plantings, rain gardens, conservation easements, and preservation of wildlife habitat.	Н	\$2,000 per rain garden		2 rain gardens installed	5 rain gardens installed	12 (total) rain gardens installed	Private funds	MSUE; Conservation districts	Goal 2; 3a		Put Josh's contact in LMWCC newsletter.			

egory C: Planning, Zoning and Land Use											Current Tasks			
ik	Priority	Unit Cost	Estimated Total Cost		Milestone 2022-25	Milestone 2026-28	Potential Project Partners	Potential Funding Sources	Objectives Addressed	Notes	Task Description	Status	Target Date	Leader
Work with township and county planners to develop cooperative land-use practices that extend across government boundaries to protect the entire watershed.		\$5,000 per township	\$80,000	Create multi- jurisductional task force	Funding secured	Program in place	Townships; MSUE; LMWCC; AES	Will require outside grant asistance. Tribal 2 pct. Funding	Goal 1; Goal 5	See task L7. This task must be coordinated with I/E component	Establish a plan to educate stakehlders, determine grass roots support and implement if there is support.	New in 2019	Jul-19	Armas with Mark Tonello,Brian B
Identify locally important viewsheds, incorporate protection into master plans and local zoning ordinances to maintain the natura and rustic character of the watershed.		Included in C1		х	Sites identified for protection	С	LMWCC; Audubon Clubs;	N/A	Goal 4	Maintaining rustic, natural character was an objective of both the 2000 WMP and the present document				
Develop and adopt ordinances to prevent introduction of terrestrial and aquatic invasive species, and permit treatment of existing infestations	M	No new costs identified		Provide model ordinances to townships	С	С	MTA; ISN; township govts	N/A	1d; 3f	Model ordinances available through ISN's. May require state legislation				
Investigate the possibility of a multi-jurisdictional zoning ordinance or overlay district to establish uniform, locally based rules for development within the Little Manistee Watershed and River Corridor. Work with township governments to establish such protections when public support exists.	Н	See C1		See C1	С	С	Townships; MSUE; LMWCC; AES	N/A	Goal 1; Goal 5	This is a specific task included in the more general actiivities of C1				
Promote 'green infrastructure' principles including cluster development for rural residential, and low impact stormwater design requirements as part of local planning and zoning process for new developments.	L	No costs identified		See C1	С	С	Townships; MSUE; LMWCC; AES	N/A	5a	This is a specific task included in the more general activities of C1				
Begin public education regarding the pros and cons of Michigan Natural River designation; promote such designation if local support exists.	Н	Variable		x	River forums conducted	С	LMWCC; MDNR; TU.	N/A	1f	This requires coordination with VE program as well as local planners.  Natural river designation is not under consideration at this time.				
Seek grant funding and fiduciary partners to hire or contract with a person for work on implementation of the WMP	Н	\$25,000 annually	\$250,000	Implementation staff person in place	С	С	LMWCC, Conservation Districts; CRA	Tribal Grants, Local foundations	All Goals	Employee may be full- or part-time. If no funding is received, LMWCC volunters will continue to lead implementation.		New in 2019	Have a plan end of 2019	Armas

Category D: Road-Stream Issues										Current Tasks			
Task	Priority Unit Cost	Estimated Total Cost		Milestone 2022-25	Milestone 2026-28	Potential Project Partners	Potential Funding Sources	Objectives Addressed	Notes	Task Description	Status	Target Date	Leader
Update existing stream crossing inventory every 10 years to reflect changes & document improvements	Н \$15,000	\$15,000	Х	New Inventory Complete	С	CRA; LMWCC	Tribal 2 pct. Funding; Great Lakes Fisheries Trust	2e; 3e	Current inventory completed in 2004	Update road survey at 10 year intervals.	Most recent survey was 2004.  Request update road survey from CRA		Tim Phillips
Restore and protect 74 road-stream crossings identified in the inventory as sites of severe or moderate concern, using appropriate BMP's. Restore and protect additional sites on road-stream crossing inventory as conditions require and funding becomes available.	H varie:	\$4,280,000	5 sites addressed	15 sites addressed	All severe and moderate sites improved	CRA; LMWCC; MDoT; road commissions	Grant funding required; Road commissions; MDOT; MDEQ	2e; 3e	Cost cited is for 74 sites, per 2014 inventory. Estimates may change as new needs are identified		Focus on Cool Creek/Stronach crossings initially.  This is primarily county work, expense is generally beyond LMWCC reach without grant funding.		LMWCC
Identify sites where private roads may have an impact on surface water quality. Work with property owners to minimize movement of sediments, nutrients, salts, etc. into adjacent water	M varie	5	х	Sites Identified	С	Private land owners; CRA	Private funds	3e		See if private roads are part of the new survey			Tim Phillips
Develop & institute policies regarding use of dust control agents on unpaved roads near surface waters. Institute BMPs to prevent dust-control agents from entering surface waters.	L unknown	n	X	Policies developed	С	Road Commissions; MDOT; MDEQ	N/A	3e			They use brine.		

Category E: Land Protection and Management											Current Tasks			
Task	Priority	Unit Cost	Estimated Total Cost	Milestone 2018-21	Milestone 2022-25	Milestone 2026-28	Potential Project Partners	Potential Funding Sources	Objectives Addressed	Notes	Task Description	Status	Target Date	Leader
Work with Land Conservancies and/or other agencies to develop a systematic priority parcel analysis for significant lands in Mason County and Lake County segments of the Watershed. Update the existing analysis for the Manistee County segment.	М		\$10,000	Manistee analysis cmplete	Analysis complete for Lake and Mason	С	GTRLC; Land Conservancies	Grants; private donations	4b; 4f; Goal 5					
Assist and support USFS, MDNR and/or local government acquisition of property for protection of water quality, threatened or endangered species, wildlife habitat and other sensitive ecological features	M		\$500,000	D X	2 sites protected	С		Nat. Res. Trust Fund. USFS funds	Goal 5	Acquisition from willing sellers only.				
Support land-protection and land purchase activities on high-priority sites throughout watershed, including conservation easements and transfer/purchase of development rights where appropriate.	Н		\$500,000	D X	2 sites protected	С	Land Conservancies; private land owners	Nat. Res. Trust Funds; Private donations	Goal 5	Conservation Easements are generally favored, since the watershed already has significant acreage in public ownership				
Promote participation in NRCS programs and Michigan Agriculture Environmental Assurance Program (MAEAP) to encourage BMP's in agricultural operations	L		No costs identified		1 farm certified	С	Farm owners; MDARD	N/A	3e					
Use expertise of MSU Extension and Osceola-Lake Conservation District to educate farmers and riparian residents on use of buffer strips and cover crops to improve soil and manage storm runoff.	М		Unknow	n Education programs offered and publicized	C	C	MSUE; Conservation Districts; land owners	N/A	Goal 1; 2a; 3c; 3e					

ategory F: Habitat for Fish and Wildlife											Current Tasks			
sk	Priority	Unit Cost	Estimated Total Cost		Milestone 2022-25	Milestone 2026-28	Potential Project Partners	Potential Funding Sources	Objectives Addressed	Notes	Task Description	Status	Target Date	Leader
Maintain multiple-use management policies on public lands. Preserve upland habitat and wildlife corridors. Discourage new roads in state forest and wetland areas	Н		No new costs	Continuation of current practice	С	С	USFS; MDNR	N/A	4a; 4b; 4c	This is a continuation of current policies	Continue/Monitor current policies	Ongoing.		LMWCC
Conduct fishery surveys on the Little Manistee River on a minimum 10 year cycle to monitor changes & evaluate stocking & managment programs.	Н		\$30,000	X	New survey complete	С	MDNR; Trout unlimited; LRBOI	MDNR funds	4a; 4e		Updated Fish Cover/Erosion Control Survey (Last in 2014)      Inventory from Carrieville Road to Manistee Lake (Last in 2015)	Continue on 10 year updates with CRA and TU doing surveys.	2024	LMWCC
Maintain current fish stocking & management strategies unless changes are warranted by scientific studies such as in F2	M		No New costs	C	С	С	MDNR; Trout unlimited; LRBOI	N/A	4a	Continuation of current policies	Shock at Johnsons Bridge - 3 yrs on 3 yrs off. Start On cycle in 2020	Now in off cycle.  Only Chinook are stocked at Weir.	2020 restart On cycle	MDNR - Tone
Install and maintain fish habitat improvement structures as appropriate. Consider instream habitat and fish passage implications of all road crossing and bank stabilization projects.	M	\$10,000 pe site	r \$120,000	Woody debris installed, per plan	С	С	LMWCC; MDNR; CRA; Trout unlimited	Private donations; volunteer in-kind	Goal 2	Funds committed for woody debris work in 2018/2019	CRA looking for locations funding for Section 3 (Johnson's Bridbe to Old M63)			Tim Phillips
Evaluate & document stream and streamside habitat, including shade and forest cover for the Little Manistee River and major tributaries.	M		Not identified (See A2)		Evaluation complete	Х	USFS; MDNR; LMWCC	N/A	Goal 2	This can be included in an enhanced bank erosion survey (A2)	Do with bank survey?	2024/2025		Tim Phillips
Restudy & document habitat and fishery potential in each of small lakes and streams in watershed, many of which have not been evaluated in more than 50 yrs.	L		\$50,000	Х	Inventory complete	Х	MDNR; private land owners	Grants; MDNR funds; lake associations	4a			MDNR (Tonello) monitored all small streams in watershed in 2001 and 2002.		
Evaluate fishery potential in the Luther Millpond and sites upstream of the Luther Dam.	Н	\$30,000	\$30,000	Develop plans for cooperative study with MDNR; Village and Township	Complete Study	study's results and	Ellsworth Twp.; Village of Luther; Trout Unlimited; MDNR; LMWCC	Grants; LRBOI; TU; MDNR	1a; 1f			MDNR (Tonello) monitored 10 to 12 streams in watershed in 2001 and 2002.		
Closely monitor operation of Luther Dam and spillway. Recommend changes as appropriate. Specify which agency (Village or MDNR) is responsible for operation of the dam.	Н	No new costs identified		Develop operation and monitoring plan	С	С	Village of Luther; Ellsworth Twp. MDNR; LMWCC		2b; 2e	This item could be a short-term option or a long-term option, depending on action in F9	Monitor Inspections Every 5 Years	Luther Village is responsible. DEQ inspects Dam for Safety MDNR has no authority		Luther Village
Develop long-term options for removal of the Luther Dam and restoration of the Millpond and park area and upstream tributaries. Recognize that the dam is the property of the village, and removal/restoration can occur only if village residents and officials determine it is in their best interests.	М		\$50,000 to \$2	Phase 1; create working group; identify long term costs and benefits of maintaining the dam/millpond	identify benefits and costs of fish	appropriate phase 2 finding	Village of Luther Ellsworth Twp. s LMWCC; MDNR; MDEQ	State or federal grants required	1a; 2b; 2e	Changes in dam operation and/or fish passage may have modest costs; Dam removal and stream restoration would cost up to \$2 million	If/when Luther Village asks for help removing the dam we help them.	Economic factors will probably eventually result in removal of the dam.		

Category G: Recreation, Safety, Navigation and Hun	nan Hea	lth									Current Tasks			
Task	Priority	Unit Cost	Estimated Total Cost		Milestone 2022-25	Milestone 2026-28	Potential Project Partners	Potential Funding Sources	Objectives Addressed	Notes	Task Description	Status	Target Date	Leader
Continue and expand volunteer monitoring for E. coli and other pothential pathogens	Н	See task l2		Monitoring in place	С	С	LMWCC; lake associations		3a; 3b	E. coli monitoring costs are incuded with general monitoring in task I2				
Work with State Forest and National Forest staff and ORV groups to ensure that motorized trails are designed and used in ways that do not negatively impact water quality.	H	No new costs identified		Trails inspected and site issues identifieid	Sites corrected		MDNR; USFS; Snowmobile and ORV organizations		4b; 4c; 4e					
Initiate "adopt a stream" or similar volunteer program for ongoing river clean-up and tree management.	M	No new costs identified		Program in place	С	С	Conservation Districts;	N/A	1c; 1e					
Monitor paddlecraft volume to ensure that such use does not exceed the river's carrying capacity.	L	No new costs identified			Program in place	С	LMRCC; Private Landowners		4b; 4d; 4e					
Keep at least one campground open through October to accommodate late-season padlers	M	Unknown		Campground operational costs and options assessed	С	С	Campground operators	N/A	4b; 4d	Proposed by the public at informational session				

Category H: Hydrology, Groundwater and Wetlands										_	Current Tasks			
Task	Priority	Unit Cost	Estimated Total Cost	Milestone 2018-21	Milestone 2022-25	Milestone 2026-28	Potential Project Partners	Potential Funding Sources	Objectives Addressed	Notes	Task Description	Status	Target Date	Leader
Install and monitor permanent gauges throughout watershed to evaluate & report stream flow, water temperature, and high-low water conditions.  Investigate emerging technologies for automatic sensors, if USGS gauging is not available.	н	variable		Permanent gauges in place	С	С	LMWCC; Conservation Districts; USFS; USGS; MDNR	USGS; Local donors	2a	\$35,000 is estimate for USGS gauging station				
Study and Implement a system of local groundwater monitoring to assess both flow levels and quality of this vital resource. Actively support legislation to develop a statewide system of groundwater and surface water monitoring.	Н	variable		Collect aquifer data and design monitoring strategy		С	LMWCC; District Health Departments; Michigan Legislature	N/A	2a; 2d; 5c; 5e	Costs may vary widely depending on study design. Funding for statewide program is preferred.				
Work with local government to regulate installation of new impervious surfaces in the stream corridor and mandate BMP's to control stormwater and mitigate impact of new and existing impervious surfaces.	М		No new costs	Χ	Impervious surface policies in effect	С	Twp planning comms.	Grants, in-kind labor	1a; 1f; 2d; 3c; 4e	This element of groundwater protection is also included in categories B and C, and in education component (Cat L)				
Protect wetland areas from development; initiate programs to educate the public about the role of wetlands in water quality	М		\$5,000		Wetland program offered to schools and service groups	С	MDEQ; MDNR, Twp. Planning comms.; LMWCC	Conservation Districts; Inland Lake Groups; townships	1a;2a; 2d	Wetland education costs also included in I/E progam estimates (Category L)				
Adopt state and local rules, protective of groundwater, to monitor and regulate the practices of horizontal drilling & hydraulic fracturing for oil & gas extraction, including associated infrastructure and disposal facilities	Н		unknowr	n C	С	С	Legislature, MDEQ, Twp planning comms.	N/A	2a; 2d; 4f					
Monitor for nitrates in well water, especially at sites with light soils and historic agricultural use  H6	М		unknowr	n C	С	С	Health departments	N/A	2d; 5d					

Category I: Water Quality Monitoring											Current Tasks			
Task	Priority	Unit Cost		Milestone 2018-21	Milestone 2022-25	Milestone 2026-28	Potential Project Partners	Potential Funding Sources	Objectives Addressed	Notes	Task Description		Target Date	Leader
Continue & expand volunteer stream monitoring program for biological markers.	М	\$500	\$5,000	Program continues in place	С	С	LMWCC; Conservation Districts; MDEQ	Local funds	1a;3b; 3f	LMWCC has VSMP records back to 2007				
Continue regular phosphorus, DO and <i>E. coli</i> monitoring by Watershed Council. Expand this program to include all lakes in the watershed. Add monitoring of thermal conditions	Н	\$5,000	\$50,000	Program continues in place	Neew sites added as appropriate	С	LMWCC; Conservation Districts; MDEQ	LMRCC funds; local donotations; volunteer in-kind	Goal 3	This funding includes monitoring in tasks B2 and G1				
Develop a database of water quality information to be maintained on publicly accessible website such as the Manistee Conservation District.	Н	\$1,500	\$15,000	Database in place	С	С	LMWCC; Conservation Districts	local grant funds; LRBOI 2 pct. Funds; MCD funds for continuing operation	1c; Goal 3					
Continue MDEQ monitoring program to track stream biology.	Н	No New Costs identified		MDEQ monitoring scheduled	С	С	MDEQ	Exisitng MDEQ funding	3b	MDEQ monitoring scheduled for 2019 on a 5-year cycle				
Per category H2: Actively support the portion of the Michigan Water Strategy that calls for a statewide system of groundwater and surface water monitoring.  Coordinate letter of support campaign with watersheds in region.	М	No New Costs identified		Develop and distribute letter o support; coordinate communications		С	<u>LMWCC</u>	N/A	2a;2d; 5b; 5e	This expands on a portion of item H2				
Talk to health Departments about testing to identify human fecal matter in the Little Manistee River from Septic Systems											Check with health dept. about testing to detect human fecal matter.	New in 2019		Joyce

Category J: Invasive Species											Current Tasks			
Task	Priority	Unit Cost	Estimated Total Cost	Milestone 2018-21	Milestone 2022-25	Milestone 2026-28	Potential Project Partners		Objectives Addressed	Notes	Task Description	Status	Target Date	Leader
Develop terrestrial and aquatic invasive species monitoring program for entire watershed. Create Little Manistee River task force to coordinate among the various ISN agencies.	Н		Unknow	n Task Force created	С	С	ISN groups	N/A	3f; 5e	The Watershed is split among service areas of two Invasive Species Networks; This task would ensure coordination through periodic meetings.				
Use information from the monitoring program (J1) and existing strategies to develop and implement a comprehensive invasive species strategy, which will include elements of prioritization, control, education, and habitat restoration.	Н		\$20,00	Plan in Place	С	С	Local task force; ISN groups	ISN funding; local volunteers	3f;					
Develop and implement plans to control or eradicate invasive phragmites on public and private sites.  J3	М	\$1,000	\$10,00	Plan in place	С	С	ISN's; townships; property owners; USFS	Private funds	3f					
Research boat-washing methods and promote boat washing throughout the watershed, in cooperation with Manistee County and the Benzie Conservation District.	Н	No new costs identified		Demonstrations of boat-washing systems twice annually in watershed.	С	С	Benzie Conservation District; Manistee County	MDNR Invasive Species pathways grant	1a; 3d; 3f	Three mobile boat washing faciliies are available regionally				
Develop educational and demonstration facilities for cleaning waders and other fishing gear at popular river entry sites  J5	Н	\$2,000	\$20,00	Wader cleaning facility in place a Bear Track Campground		Stations in place at all popular fishing entry points	Trout Unlimited; Boy Scouts; MDNR; LMWCC	Local donations and volunteer in- kind labor.	1a;1e; 3f	May be co-located with kiosks in task L2				
Float navigable segments of mainstream with Invasive Species Network staff to inventory terrestrial and emergent invasives  J6	М		\$15,00	X	Inventory complete	С	LMWCC, ISN's	LRBOI grant; in- kind labor	1a, 3f	Could be combined with streambank inventory (A2) for cost savings				

Category K: Wastewater and Septic Systems											Current Tasks			
Task	Priority	Unit Cost	Estimated Total Cost		Milestone 2022-25	Milestone 2026-28	Potential Project Partners	Potential Funding Sources	Objectives Addressed	Notes	Task Description	Status	Target Date	Leader
Work with local governments to establish and enforce uniform mandatory "inspection-on-sale" regulations for septic systems throughout watershed	Н	\$300 per inspection		asked to	Rule inplace in Lake and Masoin counties	С	County Commissioners; Health Depts; pumping contractors; Legislature	Private inspection fees.	1a; 1f; 3e5e	State legislation (See K3) is preferable. Cost estimate based on inspection of 25 percent of systems during 10 year period.	Check with County Board for inspection on sale viability.			Dale
Consider rules to ease the creation of community systems or other alternatives where individual septic systems are problematic  K2	L			Proposal communicated to planning commssions	С	С	Planning Commssions; Township Boards of Trustees		1a; 1f; 5e		Investigate alternative systems (i.e. Sludgehammer), Investigate possible USDA loans/.grants  Identify problem areas, possible solutions and develop educational materials			Dale
Support legislation to create statewide standards for installation, operation and inspection of on-site wastewater systems, including septic tank and drainfield systems. Coordinate with other watersheds in region.	Н	Unknown		Develop streategy and letters of support; share with regional watersheds	С	С	LMWCC and regional watershed groups; Legislature	N/A	1a; 3e; 5e	Michigan is only state without a statewide code. Costs would likely be borne by property owners, as in K1	Talk to State government to support reintroduction.			Dale
Develop educational materials to inform landowners of the proper management and impact of septic systems and fertilizers. Distribute through local health departments, volunteer groups and septic pumping companies.	М	\$5,000 for materials and printing			Materials developed for distribution			local donors	1a;3e;5e		Develop, distribute Education Materials for landowners.			Dale

Cat K

tegory L: Information and Education												Current Tasks			
sk	Priority L	Jnit Cost	Estimated Total Cost		Milestone 2022-25	Milestone 2026-28	Potential Project Partners	Potential Funding Sources	Objectives Addressed	Notes	Task Description	Status	Target Date	Leader	
Preserve the distinctive character of the Watershed by promoting rustic and natural appearance of all structures, signage and facilities at access sites. Work with campgrounds and access sites to establish voluntary uniform designs	М	Unknown		Establiish working group to consider designs	С	С	MDNR; USFS, Campgrounds Local governments		4b; 4e;5b						
Install educational kiosks or signage at appropriate sites to inform users of Watershed concerns and stewardship opportunities.	M	\$1,000 per kiosk		one kiosk installed	С	Three kiosks in place	MDNR; USFS, Campgrounds Local governments	Local donations; in-kind volunteer labor	1a; 4b;4c	May include invasive species information and wader-cleaning station at fishing access sites					
Develop a list of all riparian property owners for dissemination of edicational and informational materials.	Н		\$2,000	List in place	List Updated semi-annually	С	County governments	In-kind volunteer labor	1b						
Assign communications element (group or individual) within LMWCC to promote Watershed education through multiple pathways, including in-school programs, local media, public presentations and direct mail	9	\$3,000 per year		Commiunication group and strategy inentified	С	С	LMWCC; Schools; Libraries	Local foundations; LRBOI	1a; 5e						
Establish a program of outreach to developers and real estate professionals to share research showing that clean water and land stewardship can positively impact property values, and to communicate the range of possible land protection strategies.	M		,,,,,,	Contact list established; Outreach in place	С	С	LMWCC communication group; local Realtors	Local funds	1a; 1f						
Maintain updated versions of the WMP on a publicly accessible website, and provide hard copies to libraries in and near the Watershed.	Н		\$1,000	Plans available	С	С	LMWCC: Schools, Libraries		1a; 1b	Ideally, water quality database will be on same website					
Create grant-supported project to inform/educate township governments and the public of the role of land use BMP's in maintaning water quality.	Н	\$40,000	\$40,000	Project Planning	Funding secured; project begins	С	LMWCC	Foundation grants; LRBOI		This task creates additional funding to extend the work in task C1					
Include review of WMP implementation progress as an agenda itemfor annual membership meeting of LMWCC	M	No new costs		Annual review in place	С	С	LMWCC; all partners invited to participate	None Needed	All Goals	Annual review will incude progress report and opportunity to amend the plan	5				
Conduct an annual day long meeting of all interested stakeholders to review the status of the plan, update it and and set Goals and Objectives for the upcoming year(s).	Н	No New Costs		Initial meeting scheduled for Feb.2 2018.	Annual Meetings	Annual Meetings	All interested Stakeholders	None Needed	All Goals	Annual review will incude progress report and opportunity to amend the plan	S				