

M.L. 2015: Chp. 76, Sec. 2 - Environment and Natural Resources Trust Fund Work Plan Approval

Line #	Subd. #	Title	Program Manager	Affiliation	\$ Appropriated	FY16 Trust Fund \$ (\$46,324,000)	FY16 GLPA \$ (\$59,000)	State Classified Staff	Fee Title Acquisition	Capital Expenditures over \$5,000	Expenses Needing LCCMR Approval	Research: Peer- reviewed	Patent or Revenue Potential	Staff Recommend Consent Approval	Date Approved	Staff Notes and Items Needing Specific Work Plan Approval
1	A. Appropriations With No Changes From LCCMR recommendation - Staff Recommend Consent Approv:															
2	03a	County Geologic Atlases - Part A	Dale Setterholm	U of MN - MN Geological Survey	\$2,040,000	\$2,040,000	\$0							X		
3	03d	Minnesota Biodiversity Atlas for Enhanced Natural Resource Management	Keith Barker	U of MN - Bell Museum of Natural History	\$340,000	\$340,000	\$0				Yes			X		- Approve computer workstations: \$2,871
4	03f	Creating a Statewide Wetland Bird Monitoring Program	Mark Martell	Audubon Minnesota	\$146,000	\$146,000	\$0							X		
5	03g	Minnesota Native Bee Atlas	Robert Blair	U of MN	\$790,000	\$790,000	\$0							X		
6	03j	Assessing Contaminants in Minnesota Loons and Pelicans - Phase III	Carrol Henderson	MN DNR	\$141,000	\$141,000	\$0				Yes			X		- Approve \$67,000 to be spent out-of-state for contract with University of Connecticut.
7	03l	Genetic and Camera Techniques to Estimate Carnivore Populations	Ron Moen	U of MN - NRRI	\$200,000	\$200,000	\$0					Yes		X		
8	03m	Aquatic and Terrestrial Reptile Habitat	Jennifer McGuire	University of St. Thomas	\$250,000	\$250,000	\$0							X		
9	03n	Digitization of Historic Gullion Ruffed Grouse Research	Kent Montgomery	Central Lakes College	\$75,000	\$75,000	\$0				Yes			X		
10	03o	Effects of Grazing Versus Fire for Prairie Management	Karen Oberhauser	U of MN	\$414,000	\$414,000	\$0					Yes		X		
11	03p	Assessing Ecological Impact of St. Anthony Falls Lock Closure	Kathleen Boe	Minneapolis Riverfront Partnership	\$125,000	\$125,000	\$0							X		
12	03q	Foundational Dataset Characterizing Historic Forest Disturbance Impacts	Michael Falkowski	U of MN	\$200,000	\$200,000	\$0							X		
13	03r	Hydrologic Effects of Contemporary Forest Practices in Minnesota	Diana Karwan	U of MN	\$150,000	\$150,000	\$0					Yes		X		
14	03s	Habitat Mitigation for Goblin Fern Conservation	Bobby Henderson	Leech Lake Band of Ojibwe	\$61,000	\$61,000	\$0							X		
15	04a	Understanding Water Scarcity, Threats, and Values to Improve Management	Bonnie Keeler	U of MN	\$234,000	\$234,000	\$0					Yes		X		
16	04b	Biofilm Technology for Water Nutrient Removal	Bo Hu	U of MN	\$281,000	\$281,000	\$0				Yes	Yes	Yes	X		- Approve capital expenditures over \$5,000: \$30,000 for components for High Performance Liquid Chromatography; \$9,730 for automatic cell counter. - Project has patent potential or potential revenue.
17	04c	Biological Consequences of Septic Pollution in Minnesota Lakes	Heiko Schoenfuss	St. Cloud State University	\$364,000	\$364,000	\$0					Yes		X		- Approve \$142,125 to be spent out-of-state for contract with Colorado School of Mines.
18	04e	Southeast Minnesota Cover Crop and Soil Health Initiatives	Matt Drewitz	Board of Water and Soil Resources	\$253,000	\$253,000	\$0				Yes			X		- Approve capital expenditures over \$5,000: \$10,000 for portable rain fall simulator.
19	04f	Southeast Minnesota Subsurface Drainage Impacts on Groundwater Recharge	Erik Smith	U.S. Geological Survey	\$488,000	\$488,000	\$0					Yes		X		
20	04g	Using Hydroacoustics to Monitor Sediment in Minnesota Rivers	Christopher Ellison	U.S. Geological Survey	\$455,000	\$455,000	\$0				Yes	Yes		X		- Approve capital expenditures over \$5,000: \$41,372 for 4 Acoustic Doppler Velocity Meters; \$6,122 for 1 D-98 Sediment Sampler.

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21	04h	Assessment of Irrigation Efficiencies in Benton County	Gerry Maciej	Benton Soil and Water Conservation District	\$431,000	\$431,000	\$0							X		
22	04i	Shoreview Water Consumption and Groundwater Awareness Project	Mark Maloney	City of Shoreview	\$54,000	\$54,000	\$0							X		
23	05b	Connecting Students with Watersheds through Hands-On Learning	John Lenczewski	Minnesota Trout Unlimited	\$400,000	\$400,000	\$0				Yes			X		- Approve bus transporation for students to field sites: \$86,100
24	05c	Zumbro River Watershed Recreational Learning Stewardship Sites	Lawrence Svien	Zumbro Watershed Partnership	\$300,000	\$300,000	\$0				Yes			X		- Approve salary for Executive Director (small organization): \$12,800 for project coordination. - Approve capital expenditures over \$5,000: \$79,830 for site development constuction.
25	05d	Students Engaging Local Watersheds Using Mobile Technologies	Joan Freese	Twin Cities Public Television	\$147,000	\$147,000	\$0							X		
26	05e	Mississippi River Water Journey Camps	Beth Mercer-Taylor	U of MN	\$25,000	\$25,000	\$0							X		
27	06b	Emerald Ash Borer Ecological and Hydrological Impacts – Phase II	Anthony D'Amato	U of MN	\$400,000	\$400,000	\$0					Yes		X		
28	06c	Biological Control of Canada Thistle	Roger Becker	U of MN	\$300,000	\$300,000	\$0					Yes		X		
29	06d	Preventing a New Disease of Pines in Minnesota	Robert Blanchette	U of MN	\$371,000	\$371,000	\$0				Yes	Yes		X		- Approve capital expenditures over \$5,000: \$32,000 for PCR Diagnostic System.
30	07a	Renewable and Sustainable Fertilizers Produced Locally	Alon McCormick	U of MN	\$1,000,000	\$1,000,000	\$0					Yes	Yes	X		- Project has patent potential or potential revenue.
31	07b	Reducing Emissions from Open Burning through Biomass Gasification	William Northrop	U of MN	\$268,000	\$268,000	\$0				Yes			X		- Approve capital expenditures over \$5,000: \$15,000 for Power Labs Power Pallet 20kW gasifier generator system; \$30,000 for construction of outbuilding and electrical service for gasifier at DNR New Ulm building.
32	07c-1	Building Deconstruction to Reduce Greenhouse Gas Emissions and Solid Waste - Part 1	Steve Thomas	The NetWork for Better Futures d/b/a Better Futures Minnesota	\$845,000	\$845,000	\$0							X		
33	07c-2	Building Deconstruction to Reduce Greenhouse Gas Emissions and Solid Waste - Part 2	Victor Krause	U of MN - NRRI	\$155,000	\$155,000	\$0							X		
34	08a	Prioritizing Future Management of North Shore Trout Streams	Lucinda Johnson	U of MN - NRRI	\$416,000	\$357,000	\$59,000							X		
35	08b	Propagating Native Plants and Restoring Diverse Habitats	Rich Perrine	Martin County Soil and Water Conservation District	\$495,000	\$495,000	\$0							X		
36	08c	Preserving and Protecting Minnesota Native Orchid Species	David Remucal	U of MN - Landscape Arboretum	\$167,000	\$167,000	\$0				Yes			X		- Approve capital expenditures over \$5,000: \$7,000 for lab glassware dishwasher and \$9,000 for water distillation/deionization system.
37	08d	Acceleration of Minnesota Conservation Assistance - Final Phase	Tabor Hoek	Board of Water and Soil Resources	\$1,000,000	\$1,000,000	\$0							X		
38	08e	Metro Conservation Corridors Phase VIII - Prairie, Forest, and Savanna Restoration	Tom Lewanski	Friends of the Mississippi River	\$276,000	\$276,000	\$0							X		- Approve contingent on ML 2013 and ML 2014 appropriation expended or a plan to transition to ML 2015 appropriation is approved by LCCMR staff.

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39	08f	Metro Conservation Corridors Phase VIII - Enhancing Restoration Techniques for Improved Climate Resilience and Pollinator Conservation	Wiley Buck	Great River Greening	\$400,000	\$400,000	\$0				Yes			X		- Approve contingent on ML 2013 and ML 2014 appropriation expended or a plan to transition to ML 2015 appropriation is approved by LCCMR staff. - Approve out-of-state travel: \$1,000 for travel to Iowa and North Dakota for acorn source verification/procurement.
40	08i	Flood Recovery on Sargent Creek Duluth Habitat Restoration	Christopher Kleist	City of Duluth	\$300,000	\$300,000	\$0							X		
41	08j	Shoreland Protection for the Lower St. Croix River	Deb Ryun	St. Croix River Association	\$190,000	\$190,000	\$0							X		
42	08k	Redwood and Renville Counties Outdoor Recreation and Conservation Master Plan	Mark Erickson	Redwood County and Renville County	\$75,000	\$75,000	\$0							X		
43	09h	Metro Conservation Corridors Phase VIII - Wildlife Management Area Acquisition	Patrick Rivers	MN DNR	\$400,000	\$400,000	\$0		Yes					X		
44	09i	Mesabi Trail Development Soudan to Ely - Phase II	Bob Manzoline	St. Louis & Lake Counties Regional Railroad Authority	\$1,000,000	\$1,000,000	\$0				Yes			X		- Approve capital expenditures over \$5,000: \$700,000 for trail construction.
45	11b	Contract Agreement Reimbursement	Amanda Graeber	MN DNR	\$135,000	\$135,000	\$0	Yes						X		- Approve use of classified staff. - Approve contingent on ML 2014 appropriation expended or a plan to transition to ML 2015 appropriation is approved by LCCMR staff.
46	B. Appropriations Needing LCCMR Review Prior To Approval Due To Various Factors - For Consideration on 06/11															
47	03e	Updating the National Wetland Inventory for Minnesota - Phase V	Steve Kloiber	MN DNR	\$1,500,000	\$1,500,000	\$0	Yes			Yes					- Review: DNR proposed direct and necessary expenses: \$63,000 (4.2% of appropriation), which includes \$54,171 for division and regional program management. Requires approval. - Approve use of classified staff.
48	03h	Reintroduction and Interpretation of Bison in Minnesota State Parks	Edward Quinn	MN DNR	\$600,000	\$600,000	\$0			Yes	Yes					- Approve capital expenditures over \$5,000: \$80,000 for 12 passenger off-highway vehicle; \$409,210 for park infrastructure construction. - Review: DNR proposed direct and necessary expenses: \$11,573 (1.9% of appropriation). Requires approval.
49	03i	Endangered Bats, White-Nose Syndrome, and Forest Habitat	Richard Baker	MN DNR	\$1,250,000	\$1,250,000	\$0	Yes			Yes	Yes				- Review: DNR proposed direct and necessary expenses: \$8,946 (0.7% of appropriation). Requires approval. - Approve use of classified staff.
50	06a	Minnesota Invasive Terrestrial Plants and Pests Center	Rob Vennette	U of MN	\$5,000,000	\$5,000,000	\$0									-Review MTIPPC prioritization and progress to date. - Approve overall work plan contingent on MTIPPC staff working with LCCMR staff to break-out individual research efforts into more detailed sub-work plans for submission and staff approval once individual efforts ready to get underway.

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51	08g	Minnesota State University Moorhead Prairie and Riparian Restoration and Monitoring	Brian Wisenden	Moorhead State University	\$527,000	\$527,000	\$0				Yes					- Approve meeting required match of donation of 60-acre parcel by Minnesota State University Moorhead Alumni Foundation.
52	09a	State Parks and State Trails Land Acquisitions	Jennifer Christie	MN DNR	\$1,500,000	\$1,500,000	\$0		Yes							- Review and approve fee title acquisition list.
53	09b	Metropolitan Regional Park System Land Acquisition - Phase IV	Jan Youngquist	Metropolitan Council	\$1,000,000	\$1,000,000	\$0		Yes							'- Approve match commitment of non-state funds of at least 40% of appropriation (\$400,000) by 12/31/15: Anticipated match of \$666,000 Metropolitan Council bonds and \$555,000 of regional park agency funds. - Review and approve fee title acquisition list.
54	09c	SNA Acquisition, Restoration, Enhancement and Public Engagement	Peggy Booth	MN DNR	\$4,000,000	\$4,000,000	\$0	Yes	Yes		Yes					- Review: DNR proposed direct and necessary expenses: \$166,800 (4.2% of appropriation), which includes \$80,119 for division and regional program management. Requires approval. - Approve use of classified staff. - Review and approve fee title acquisition list. - Approve contingent on ML 2014 appropriation expended or a plan to transition to ML 2015 appropriation is approved by LCCMR staff.
55	09e	Metro Conservation Corridors Phase VIII - Coordination and Mapping and Conservation Easements	Kris Larson	Minnesota Land Trust	\$515,000	\$515,000	\$0									- Approve contingent on ML 2013 appropriation expended or a plan to transition to ML 2015 appropriation is approved by LCCMR staff. - Review and conservation easement acquisition list. - Non-state acquisition of easement - non-governmental organization.
56	09g	Metro Conservation Corridors Phase VIII - Priority Expansion of Minnesota Valley National Wildlife Refuge	Deborah Loon	Minnesota Valley National Wildlife Refuge Trust Inc	\$500,000	\$500,000	\$0		Yes							- Approve contingent on ML 2013 appropriation expended or a plan to transition to ML 2015 appropriation is approved by LCCMR staff. - Review and approve fee title acquisition list. - Non-state acquisition - Federal government.
57	09k	Conservation Easement Assessment and Valuation System Development	Bonnie Keeler	U of MN	\$250,000	\$250,000	\$0									- Review: LCCMR added project in December 2014 contingent on review of project plan to be determined at that time.
58	C. Appropriations Needing LCCMR Review Prior To Approval Due To Various Factors - To Be Called in for Presentations on 06/2															
59	03b	County Geologic Atlases - Part B	Jan Falteisek	MN DNR	\$2,000,000	\$2,000,000	\$0	Yes			Yes					- Review: DNR proposed direct and necessary expenses: \$184,742 (9.2% of appropriation), which includes \$83,490 for division and regional program management. Requires approval. - Review: Progress to date of previous appropriations. - Approve use of classified staff.

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60	03c	Minnesota Biological Survey	Bruce Carlson	MN DNR	\$2,450,000	\$2,450,000	\$0	Yes			Yes					- Review: LCCMR recommendation included removal of funding for any of the "direct and necessary expenses" included in the proposal. DNR is requesting reconsideration that these be allowed. Review proposed direct and necessary expenses: \$234,372 (9.6% of appropriation), which includes \$95,087 for division and regional program management. Requires approval. - Approve use of classified staff.
61	03k	Movement and Seasonal Habitat Use of Minnesota Elk	Gino D'Angelo	MN DNR	\$200,000	\$200,000	\$0				Yes	Yes				- Review: DNR proposed direct and necessary expenses: \$3,452 (1.7% of appropriation). Requires approval. - Approve meeting required match of \$50,000 using Game and Fish Fund.
62	04d	Preventing Phosphorous from Entering Water Resources through Drain Tiles	Kenneth Valentas	U of MN	\$505,000	\$505,000	\$0				Yes	Yes	Yes			- Review: LCCMR requested project to expand scope of work to incorporate testing and analysis of the efficacy of biochars to absorb pesticides and added an additional \$150,000 above the original \$355,000 requested. Review work plan at higher dollar amount and incorporation of LCCMR request. - Approve capital expenditures over \$5,000: \$32,600 for 2-Gallon Paar high-pressure reactor. - Project has patent potential or potential revenue.
63	09d	Native Prairie Stewardship and Prairie Bank Easement Acquisition	Judy Schulte	MN DNR	\$3,325,000	\$3,325,000	\$0	Yes			Yes					- Review: DNR proposed direct and necessary expenses: \$65,638 (2.0% of appropriation), which includes \$31,789 for division and regional program management. Requires approval. - Need to approve classified staff. - Review and approve conservation easement acquisition list. - Review: Legislature passed new language authorizing easement stewardship fund for DNR. Need to approve inclusion of stewardship funds in work plan for long term monitoring and enforcement. - Review: New law authorizing easement stewardship fund for BWVS failed to include standard easement stewardship fund reporting requirements for ENRTF. Need to discuss fixing for this appropriation and amending legislative language next year. - Approve contingent on ML 2014 appropriation expended or a plan to transition to ML 2015 appropriation is approved by LCCMR staff.

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64	09f	Metro Conservation Corridors Phase VIII - Strategic Lands Protection	Robert McGillivray	The Trust for Public Land	\$750,000	\$750,000	\$0		Yes							- Recipient is out of compliance with land acquisition reporting requirements for past appropriations. 2015 work plan cannot be approved until this issue is resolved. - Approve contingent on ML 2013 appropriation expended or a plan to transition to ML 2015 appropriation is approved by LCCMR staff. - Potential non-state acquisition - local government.
65	09j	Multi-benefit Watershed Scale Conservation on North Central Lakes	Lindsey Ketchel/ Dan Steward	Leech Lake Area Watershed Foundation/BWSR	\$950,000	\$950,000	\$0				Yes					- Review draft parcel list with identified lakes and approve contingent on providing LCCMR with an updated parcel list, prior to expenditure of any acquisition funds, indicating specific parcels on the lakes identified in the draft parcel list. - Review: Legislature passed new language authorizing easement stewardship fund for BWSR. Need to approve inclusion of stewardship funds in work plan for long term monitoring and enforcement. - Review: New law authorizing easement stewardship fund for BWSR failed to include standard easement stewardship fund reporting requirements for ENRTF. Need to discuss fixing for this appropriation and amending legislative language next year. - Approve salary for Executive Director of Leech Lake Area Watershed Foundation (small organization): \$32,200 for project management, coordination, and landowner recruitment.
66	D. Appropriation With Plan To Be Reviewed at Later Date To Be Determine															
67	05a	Trap Shooting Sports Facility Grants	TBD	MN DNR	\$132,000	\$132,000	\$0									- Appropriation added by legislature. Work Plan to be developed by DNR.
68	08h	Improving Community Forests Through Citizen Engagement	Ken Holman	MN DNR	\$800,000	\$800,000	\$0									- Appropriation amended by 2015 legislature transferring recipient from MPCA to MN DNR. Work Plan to be developed by DNR.
69	10	Emerging Issues Account	Susan Thornton	LCCMR	\$1,000,000	\$1,000,000	\$0									- Work plan for these funds to be developed for project(s) to be determined following LCCMR recommendation to Governor for approval. See LCCMR procedures.