V. Recommendations

"to the extent known by the commission, descriptions of the projects anticipated to be supported by the trust fund during the next biennium;"

There is \$46,337,000 available for expenditure in each year of the FY16-17 biennium from the Environment and Natural Resources Trust Fund (ENRTF) —biennial total available \$92,674,000. The amount available for expenditure is determined by the MN Constitution which states: "The amount appropriated each year of a biennium....may be up to 5.5% of the market value of the fund on June 30 one year before the start of the biennium". The value of the ENRTF on June 30, 2014 was \$842,499,260.15.

The LCCMR is making a funding recommendation to the 2015 Legislature totaling \$46,383,000. Of this amount, \$46,324,000 is from the Environment and Natural Resources Trust Fund for FY16 and \$59,000 is from the Great Lakes Protection Account (M.S. 116Q.02) for FY16. The LCCMR will be making a future additional funding recommendation for FY17 totaling up to \$46,337,000 from the Environment and Natural Resources Trust Fund to the 2016 Legislature. As stated in M.S. 116P, the LCCMR may make an annual or a biennial funding recommendation.

The list of recommended appropriations totaling \$46,383,000 is provided in "Section V. Recommendations". The funding levels and the proposed legislative bill were adopted by the LCCMR on December 9, 2014. Both actions were through affirmative votes of at least 12 of the 17 members as required by M.S. 116P.05, Subd. 2.

LCCMR M.L. 2015 ENVIRONMENT AND NATURAL RESOURCES TRUST FUND RECOMMENDATIONS BY SUBDIVISION - H.F. XXX & S.F. XXX

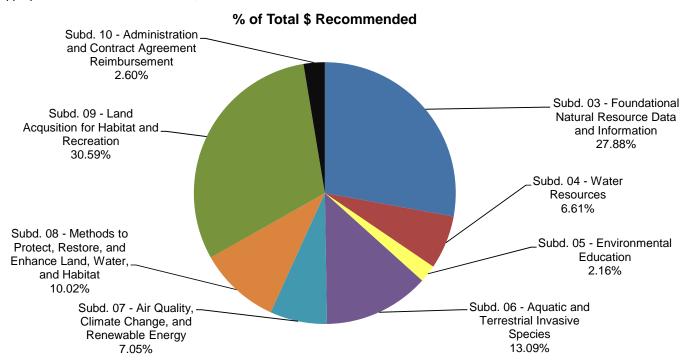
LCCMR Process for M.L. 2015 Recommendations

For the FY 2016 and FY 2017 biennium (July 1, 2015 - June 30, 2017), approximately \$46.3 million is available each year (total = \$92,674,000) for funding from the Environment and Natural Resources Trust Fund. In response to the 2015 Request for Proposal (RFP) 152 proposals requesting a total of approximately \$126.3 million were received. Through a competitive multi-step process, 76 of these proposals, requesting a total of \$74.9 million, were chosen to present to the LCCMR and 65 proposals were selected to receive a recommendation for funding. These recommendations are for the FY 2016 funds available beginning July 1, 2015.

October 23 & December 10, 2013	2015 Funding Priorities Determined and RFP Adopted
December 16, 2013	2015 RFP Issued
	2015 RFP Proposal Deadline
March 28, 2014	(Received 152 Proposals totaling \$126,332,461)
June 4, 2014	2015 Selection of Proposals for Presentations
	2015 Proposal Presentations
June 17, 18, 19, 24, & 25, 2014	(Selected 76 proposals totaling \$74,867,915 to present)
July 10, 2014	2015 Allocations Recommendations
August - December, 2014	Research Projects Recommended Undergo Peer Review
November 19 & December 9, 2014	2015 Appropriation Language Review & Adoption

Summary of Recommendations by Subdivision						
Subdivision Subd. 03 - Foundational Natural Resource Data and Information Subd. 04 - Water Resources Subd. 05 - Environmental Education Subd. 06 - Aquatic and Terrestrial Invasive Species Subd. 07 - Air Quality, Climate Change, and Renewable Energy	\$ Recommended	# Appropriations				
Subd. 03 - Foundational Natural Resource Data and Information	\$12,932,000	19				
Subd. 04 - Water Resources	\$3,065,000	9				
Subd. 05 - Environmental Education	\$1,004,000	5				
Subd. 06 - Aquatic and Terrestrial Invasive Species	\$6,071,000	4				
Subd. 07 - Air Quality, Climate Change, and Renewable Energy	\$3,268,000	4				
Subd. 08 - Methods to Protect, Restore, and Enhance Land, Water, and Habitat	\$4,646,000 *	11				
Subd. 09 - Land Acqusition for Habitat and Recreation	\$14,190,000	11				
Subd. 10 - Administration and Contract Agreement Reimbursement	\$1,207,000	2				
TOTAL	\$46,383,000	65				

^{*}One appropriation in Subd. 8 includes \$59,000 from the Great Lakes Protection Account

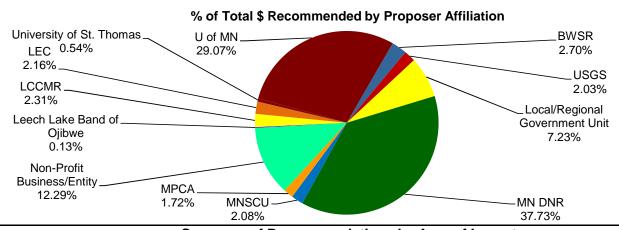


LCCMR M.L. 2015 ENVIRONMENT AND NATURAL RESOURCES TRUST FUND RECOMMENDATIONS BY AFFILIATION AND AREA OF IMPACT - H.F. XXX and S.F. XXX

Summary of Recommendations by Proposer Affiliation*							
Affiliation Type by Proposer Affiliation	\$ Recommended	# Appropriations					
Minnesota Board of Water and Soil Resources (BWSR)	\$1,253,000	2					
U.S. Geological Survey (USGS)	\$943,000	2					
Local/Regional Government Unit	\$3,355,000	8					
Minnesota Department of Natural Resources (MN DNR)	\$17,501,000	12					
Minnesota State Colleges and Universities (MNSCU)	\$966,000	3					
Minnesota Pollution Control Agency (MPCA)	\$800,000	1					
Non-Profit Business/Entity	\$5,699,000	13					
Leech Lake Band of Ojibwe	\$61,000	1					
Legislative-Citizen Commission on Minnesota Resources (LCCMR)	\$1,072,000	1					
Legislative Energy Commission (LEC)	\$1,000,000	1					
University of St. Thomas	\$250,000	1					
University of Minnesota (U of MN)	\$13,483,000 **	20					
TOTAL	\$46,383,000	65					

^{*}Dollar amounts based on project manager affiliation listed in the proposal; some proposals have multiple partners with mulitple affiliations and dollars requested distributed between them.

^{**}One appropriation to the University of Minnesota includes \$59,000 from the Great Lakes Protection Account.

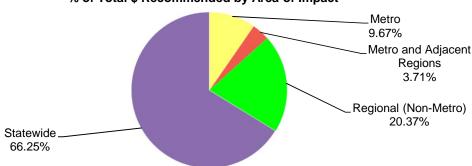


Summary of Recommendations by Area of Impact						
Area of Impact	\$ Recommended	# Appropriations				
Metro*	\$4,485,000	12				
Metro and Adjacent Regions	\$1,723,000	3				
Regional (Non-Metro)**	\$9,446,000 ***	18				
Statewide	\$30,729,000	32				
TOTAL	\$46,383,000	65				

^{* &}quot;Metro" region includes the 11 counties of Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, Washington, and Wright.

^{***} One appropriation with a "Regional" area of impact contains \$59,000 from the Great Lakes Protection Account.





^{** &}quot;Regional" means area of impact is less than "Statewide" but includes one or more regions of the state ("Northwest", Northeast", "Central", "Southwest", or "Southeast") other than the 11-county "Metro" region.



ENVIRONMENT AND NATURAL RESOURCES TRUST FUND M.L. 2015 LCCMR Recommendations – H.F. XXX & S.F. XXX

SUMMARY OF ML 2015 APPROPRIATIONS BY SUBDIVISION (\$46,383,000)

SUBD. 3. Foundational Natural Resource Data and Information: \$12,932,000 – 19 Appropriations

- Collection, interpretation, mapping, and dissemination of foundational data and information pertaining to groundwater, wetlands, and distributions of plant and animal species and ecological systems.
- Planning and development of online inventories for data and imagery pertaining to Minnesota wildlife, plant, fungi, and pollinator species
- Surveying and monitoring for distributions and habitat use of pollinators, wetland birds, elk, carnivore species, turtles, goblin fern, and bats in order to guide conservation, management, and mitigation strategies.
- Research and analysis pertaining to conservation grazing, impacts of forest management practices on water resources, and loon and pelican populations impacted by the Deepwater Horizon oil spill.
- Development of Blue Mounds and Minneopa State Parks to assist in the reintroduction and preservation of American bison and provide interpretive learning opportunities.
- Data collection and compilation to improve understanding of forest disturbance impacts and of resulting changes to Mississippi River flow from the St. Anthony Falls lock closure to inform future management.

SUBD. 4. Water Resources: \$3,065,000 – 9 Appropriations

- Modeling, mapping, and assessment to increase understanding of water sustainability issues throughout the state, including the associated economic and ecological risks and costs, in order to inform and improve water management strategies and practices.
- Development of technologies and materials designed to remove pollutants and capture nutrients for recycling from stormwater, agricultural runoff, and polluted water bodies.
- Research and analysis initiatives pertaining to contaminants of emerging concern in Minnesota lakes and to the impacts of agricultural drainage on groundwater recharge and sustainability in southeast Minnesota.
- Monitoring and assessment to improve measurement of suspended sediment in rivers and enhance sediment reduction efforts.
- Outreach, technical assistance, and demonstration initiatives to promote cover crops for soil and water quality protection; to advance irrigation best management practices; and to encourage residential water conservation.

SUBD. 5. Environmental Education: \$1,004,000 – 5 Appropriations

- Outreach and demonstration to hunters to promote voluntary selection of nontoxic alternatives to lead hunting ammunition in order to protect non-target wildlife species from accidental lead poisoning.
- Development and delivery of hands-on environmental education to engage students and communities on issues relating to water quality and watershed stewardship, including the establishment of six permanent recreational and educational sites located throughout the Zumbro River watershed.

SUBD. 6. Aquatic and Terrestrial Invasive Species: \$6,071,000 – 4 Appropriations

- Establishment, development, and support of a new research center at the University of Minnesota specifically
 dedicated to developing and implementing new techniques for controlling terrestrial invasive plants,
 pathogens, and pests, including agricultural weeds and pests.
- Research and analysis to assess the potential impacts of emerald ash borer on Minnesota black ash forests and related ecology; to establish early detection and prevention efforts for an invasive root rot fungus recently discovered in Minnesota; and to develop a biological control for Canada thistle.

SUBD. 7. Air Quality, Climate Change, and Renewable Energy: \$3,268,000 – 4 Appropriations

- Data collection and analysis of energy systems in Minnesota to develop short and long term strategies for energy sustainability throughout the state and inform future planning efforts.
- Development and demonstration of technologies intended to enable renewable and sustainable production of fertilizer and energy in localized manners, particularly within rural areas.
- Development and testing of a model to make building deconstruction and material reuse a competitively viable alternative to demolition in order to provide a variety of environmental and economic benefits.

SUBD. 8. Methods to Protect/Restore/Enhance Land, Water & Habitat: \$4,646,000 – 11 Appropriations

- Analysis and planning initiatives to inform efforts aimed at sustaining trout fisheries along the north shore and to guide future conservation efforts within the Minnesota River Valley.
- Surveying, collection, and propagation of plant species for prairie restoration and of native orchid species to enable long-term conservation.
- Restoration efforts including forest and prairie restoration in the greater metropolitan area; restoration and monitoring of prairie and riparian habitat near Moorhead; and restoration of Sargent Creek in Duluth.
- Technical assistance to residents, businesses, and governments to promote shoreland conservation and protection along the St. Croix River; to communities around the state for community forestry; and to private landowners for participation in existing land conservation programs.
- Research, analysis, and public engagement to improve restoration techniques in order to create increased resilience against changing climate conditions and to benefit pollinators.

SUBD. 9. Land Acquisition for Habitat and Recreation: \$14,190,000 - 11 Appropriations

- Protection and restoration of priority, high quality, and unique lands within Minnesota's Scientific and Natural
 Area and Native Prairie Bank systems and outreach and technical assistance to engage the public and assist
 landowners in relation to these programs and their associated opportunities.
- Expansion of outdoor recreational opportunities through additions to state parks and trails and metropolitan regional parks and trails, and through construction and development of the Mesabi Trail.
- Acquisition in fee title and conservation easement of priority lands to protect prairies, forests, and wetlands
 and ensure wildlife corridors within the greater metropolitan area and in Crow Wing and Cass counties.
- Research and analysis of existing conservation easements acquired through state expenditures to determine their effectiveness at achieving intended outcomes and guide future investments in conservation easements.

SUBD. 10. Administration and Contract Agreement Reimbursement: \$1,207,000 – 2 Appropriations

LCCMR administration for FY16-17 and project contract agreement reimbursement for non-state entities.



ENVIRONMENT AND NATURAL RESOURCES TRUST FUND M.L. 2015 LCCMR Recommendations – H.F. XXX & S.F. XXX

SUMMARY OF EXPECTED OUTCOMES ACROSS SUBDIVISIONS FOR ~\$46.4 MILLION

• Natural Resource Research and Analysis: ~\$14.0 million

Research and analysis projects that will advance our knowledge about and provide strategies and recommendations for addressing issues relating to terrestrial invasive species prevention, control, and mitigation (includes the launch of a new terrestrial invasive species research center); water resources sustainability and protection; plant and animal species protection, management, and recovery; habitat restoration practices; improvement of agricultural and forestry practices; renewable energy; climate change impacts and greenhouse gas reduction; and conservation easement valuation and effectiveness.

- Natural Resource Inventory, Monitoring, Mapping, and Planning: ~\$11.0 million
- Inventory, monitoring, mapping, and planning efforts to obtain critical information and guide relevant decisions and efforts over time, including acceleration of the Minnesota Biological Survey, Minnesota Geologic Atlas program, and the National Wetlands Inventory update for Minnesota; planning and development of online inventories for data and imagery pertaining to Minnesota wildlife, plant, fungi, and pollinator species; surveying and monitoring for population distributions of pollinators, bats, elk and wetland birds; surveying, collection, and propagation of imperiled plant species; local planning efforts pertaining to recreation and conservation; planning and monitoring for the state's Scientific and Natural Areas program; inventory and mapping of datasets pertaining to the impacts of forest disturbance; baseline data collection to study the future impacts of planned changes to Mississippi River flow; and detection and monitoring of invasive species including emerald ash borer and a pine root rot.
- Terrestrial and Aquatic Habitat Acquisition: ~\$7.1 million

Acquisition of an estimated 1,314 acres in a combination of fee title (567 acres and 1.2 miles of shoreline) and conservation easements (750 acres), including donated easements. Permanently protected areas will include forests, prairies, grasslands, blufflands, wetlands, shorelands, and other habitat, including for additions for the Minnesota Scientific and Natural Areas system.

- Environmental Education, Outreach, Demonstration, and Technical Assistance: ~\$5.6 million Environmental education, outreach, demonstration, and technical assistance efforts that will engage and educate Minnesotans on topics including ecology, plant and wildlife species, pollinators, water resources, alternative agricultural practices, lead ammunition alternative options, and habitat protection and restoration; demonstrate options for water stewardship, renewable energy, and resource reuse; and provide training and technical assistance on community forestry, cover crops, shoreland protection, prairie stewardship, and natural resource conservation and management tools, practices, and options.
- Parks and Trails Acquisition and Development: ~\$4.3 million

Acquisition of an estimated 468 acres to expand parks and trails in the State Parks and Trails System and the Metropolitan Regional Parks and Trails System; development of two state parks to assist in the reintroduction and preservation of American bison; development of at least six local recreational and educational sites along the Zumbro River in southwest Minnesota; and design and construction of a Mesabi Trail segment in northern Minnesota.

- Terrestrial and Aquatic Habitat Restoration, Enhancement, and Improvement ~\$3.2 million

 Restoration, enhancement, and improvement activities on an estimated 2,663 acres. Activities performed will include prescribed burning, soil preparation, seeding, native vegetation installation, woody encroachment removal, invasive species control, and monitoring and evaluation.
- LCCMR Administration: \$536,000 (FY16) and \$536,000 (FY17) FY 2016-2017 LCCMR administration.
- Contract Agreement Reimbursement: \$135,000

15.22%

Administering of contract agreement reimbursement for projects of non-state entities.

% OF EXPECTED OUTCOMES ACROSS SUBDIVISIONS FY16 LCCMR **FY17 LCCMR** Contract Agreement Terrestrial and Aquatic_ Administration Administration Reimbursement Habitat Restoration, 1.16% 1.16% 0.29% Enhancement, and Improvement Natural Resource 6.82% Research and Analysis Parks and Trails 30 16% Acquisition and Development 9.28% Environmental Education, Outreach, Demonstration, and Technical Assistance 12.12% **Natural Resource** Inventory, Monitoring, Mapping, and Planning Terrestrial and Aquatic 23.80% **Habitat Acquisition**

For the FY 2016 and FY 2017 biennium (July 1, 2015 - June 30, 2017), approximately \$46.3 million is available each year (total = \$92,674,000) for funding from the Environment and Natural Resources Trust Fund. As of 011/19/14, the Legislative-Citizen Commission on Minnesota's Resources (LCCMR) has selected 65 projects totaling \$46.3 million to recommend to the 2015 Minnesota Legislature for funding from the Environment and Natural Resources Trust Fund (ENRTF) and the Great Lakes Protection Account (GLPA). The recommendations are the result of the LCCMR's 2015 Request for Proposal (RFP) process, in which 152 proposals requesting a total of approximately \$126.3 million were received and considered through a competitive, multi-stage evaluation. The recommendations range from full funding for the full proposal and dollar amount requested to partial funding for specific proposal elements and partial dollar amounts requested.

\$ Recommended (\$46,383,000)	Percentage of Total Recommendation
\$12 932 000	27.88%
712,332,000	27.8670
¢2.06E.000	6.61%
\$5,005,000	0.01%
\$1,004,000	2.16%
\$1,004,000	2.10/0
\$6,071,000	13.09%
\$0,071,000	13.09/0
\$2.268.000	7.05%
\$3,208,000	7.0370
\$4.646.000	10.02%
\$4,040,000	10.0270
¢14.100.000	30.59%
\$14,190,000	50.39%
\$1 207 000	2.60%
\$1,207,000	2.00/0

TOTAL \$ RECOMMENDATION \$46,383,000 100.00%

			\$ Remaining for	
Fund Source		\$ Recommended	Recommendation	
FY 2016 - Environment and Natural Resources Trust F	Fund (ENRTF)	\$46,324,000	\$13,000	
Total \$ Available = \$46,337,000		\$40, 324,000	\$13,000	
FY 2016 - Great Lakes Protection Account (GLPA)		\$59,000	\$0	
Total \$ Available = \$59,000		\$39,000	, ju	
	TOTAL \$ RECOMMENDATION	\$46,383,000	\$13,000	

SOURCE: LCCMR Staff 12/19/2014 2:35 PM

			Total	LCCMR \$	LCCMR \$			
	ENRTF		LCCMR \$	Recommended	Recommended		Program	Region of
Subd.	ID	Title	Recommended	ENRTF: FY 2016	GLPA: FY 2016	Affiliation	Manager	Impact*
Subd. 0 3	Founda	tional Natural Resource Data and Information (19 Rec	commendations - S	ubtotal = \$12,932,0	000)			
03a	001-A	County Geologic Atlases - Part A	\$2,040,000	\$2,040,000	\$0	U of MN - MN	Dale Setterholm	Statewide
						Geological Survey		
03b	006-A	County Geologic Atlases - Part B	\$2,000,000	\$2,000,000			Jan Falteisek	Statewide
03c	002-A	Minnesota Biological Survey	\$2,450,000	\$2,450,000	\$0	MN DNR	Carmen Converse	Statewide
03d	005-A	Minnesota Biodiversity Atlas for Enhanced Natural	\$340,000	\$340,000	\$0	U of MN - Bell Museum	Keith Barker	Statewide
		Resource Management				of Natural History		
03e	003-A	Updating the National Wetland Inventory for Minnesota - Phase V	\$1,500,000	\$1,500,000	\$0	MN DNR	Steve Kloiber	Statewide
03f	014-A	Creating a Statewide Wetland Bird Monitoring Program	\$146,000	\$146,000	\$0	Audubon Minnesota	Mark Martell	Statewide
03g	011-A	Minnesota Native Bee Atlas	\$790,000	\$790,000	\$0	U of MN	Robert Blair	Statewide
03h	008-A	Reintroduction and Interpretation of Bison in Minnesota State Parks	\$600,000	\$600,000	\$0	MN DNR	Edward Quinn	Statewide
03i	004-A	Endangered Bats, White-Nose Syndrome, and Forest Habitat	\$1,250,000	\$1,250,000	\$0	MN DNR	Richard Baker	Statewide
03j	007-A	Assessing Contaminants in Minnesota Loons and Pelicans - Phase III	\$141,000	\$141,000	\$0	MN DNR	Carrol Henderson	Statewide
03k	017-A	Movement and Seasonal Habitat Use of Minnesota Elk	\$200,000	\$200,000	\$0	MN DNR	Gino D'Angelo	NW
031	013-A	Genetic and Camera Techniques to Estimate Carnivore Populations	\$200,000	\$200,000	\$0	U of MN - NRRI	Ron Moen	Central, NE, NW
03m	016-A	Turtle Population Dynamics in an Urban Lake	\$250,000	\$250,000	\$0	University of St. Thomas	Jennifer McGuire	Metro
03n	031-A	Digitization of Historic Gullion Ruffed Grouse Research	\$75,000	\$75,000	\$0	Central Lakes College	Kent Montgomery	Central, NE
030	009-A	Effects of Grazing Versus Fire for Prairie Management	\$414,000	\$414,000	\$0	U of MN	Karen Oberhauser	Statewide
03p	010-A	Assessing Ecological Impact of St. Anthony Falls Lock Closure	\$125,000	\$125,000	\$0	Minneapolis Riverfront Partnership	Kathleen Boe	Metro
03q	020-A	Foundational Dataset Characterizing Historic Forest Disturbance Impacts	\$200,000	\$200,000	\$0		Michael Falkowski	NE, NW
03r	024-A	Hydrologic Effects of Contemporary Forest Practices in Minnesota	\$150,000	\$150,000	\$0	U of MN	Diana Karwan	NE
03s	018-A	Habitat Mitigation for Goblin Fern Conservation	\$61,000	\$61,000	\$0	Leech Lake Band of Ojibwe	Bobby Henderson	Central

Subd.	ENRTF ID	Title	Total LCCMR \$ Recommended	LCCMR \$ Recommended ENRTF: FY 2016	LCCMR \$ Recommended GLPA: FY 2016	Affiliation	Program Manager	Region of Impact*
		nal Natural Resource Data and Information Subtotal =	\$12,932,000	\$12,932,000	\$0			
ubd. 04	4 Water F	Resources (9 Recommendations - Subtotal = \$3,065,00	00)					
04a	033-В	Understanding Water Scarcity, Threats, and Values to Improve Management	\$234,000	\$234,000	\$0	U of MN	Bonnie Keeler	Statewide
04b	034-B	Biofilm Technology for Water Nutrient Removal	\$281,000	\$281,000	\$0	U of MN	Bo Hu	Statewide
04c	036-В	Biological Consequences of Septic Pollution in Minnesota Lakes	\$364,000	\$364,000	\$0	St. Cloud State University	Heiko Schoenfuss	Statewide
04d	035-В	Preventing Phosphorous from Entering Water Resources through Drain Tiles	\$505,000	\$505,000	\$0	U of MN	Kenneth Valentas	Statewide
04e	047-B	Southeast Minnesota Cover Crop and Soil Health Initiatives	\$253,000	\$253,000	\$0	Soil Resources	Matt Drewitz	SE
04f	037-В	Southeast Minnesota Subsurface Drainage Impacts on Groundwater Recharge	\$488,000	\$488,000	\$0	U.S. Geological Survey	Erik Smith	SE
04g	045-B	Using Hydroacoustics to Monitor Sediment in Minnesota Rivers	\$455,000	\$455,000	\$0	U.S. Geological Survey	Christopher Ellison	Central, Metro, SE
04h	048-B	Assessment of Irrigation Efficiencies in Benton County	\$431,000	\$431,000	\$0	Benton Soil and Water Conservation District	Gerry Maciej	Central
04i	060-В	Shoreview Water Consumption and Groundwater Awareness Project	\$54,000	\$54,000	\$0	City of Shoreview	Mark Maloney	Metro
		Water Resources Subtotal =	\$3,065,000	\$3,065,000	\$0			
ubd. 0	5 Environ	mental Education (5 Recommendations - Subtotal = \$	1,004,000)					
05a	065-C	Promotion of Alternative Ammunition to Protect Wildlife from Lead Poisoning	\$132,000	\$132,000	\$0	U of MN	Julia Ponder	Statewide
05b	066-C	Connecting Students with Watersheds through Hands-On Learning	\$400,000	\$400,000	\$0	Minnesota Trout Unlimited	John Lenczewski	Statewide
05c	067-C	Zumbro River Watershed Recreational Learning Stewardship Sites	\$300,000	\$300,000	\$0	Zumbro Watershed Partnership	Lawrence Svien	SE
05d	073-C	Students Engaging Local Watersheds Using Mobile Technologies	\$147,000	\$147,000		Television	Joan Freese	Statewide
05e	074-C	Mississippi River Water Journey Camps	\$25,000	\$25,000	\$0	U of MN	Beth Mercer- Taylor	Metro
		Environmental Education Subtotal =	\$1,004,000	\$1,004,000	\$0			

	ENRTF		Total LCCMR \$	LCCMR \$ Recommended	LCCMR \$ Recommended		Program	Region of
Subd.	ID	Title	Recommended	ENRTF: FY 2016	GLPA: FY 2016	Affiliation	Manager	Impact*
06a	081-D	Minnesota Terrestrial Invasive Plants and Pests Center	\$5,000,000	\$5,000,000	\$0	U of MN	Brian Buhr	Statewide
06b	082-D	Emerald Ash Borer Ecological and Hydrological Impacts – Phase II	\$400,000	\$400,000	\$0	U of MN	Anthony D'Amato	Statewide
06c	083-D	Biological Control of Canada Thistle	\$300,000	\$300,000	\$0	U of MN	Roger Becker	Statewide
06d	084-D	Preventing a New Disease of Pines in Minnesota	\$371,000	\$371,000	\$0	U of MN	Robert Blanchette	Statewide
		Aquatic and Terrestrial Invasive Species Subtotal =	\$6,071,000	\$6,071,000	\$0			
Subd. 0	7 Air Qua	lity, Climate Change, and Renewable Energy (4 Recor	nmendations - Sub	total = \$3,268,000)			
07a		Analysis of Minnesota Energy Systems to Develop Future Energy Strategies	\$1,000,000	\$1,000,000	\$0	Legislative Energy Commission	Annie Levenson- Falk	Statewide
07b	101-E	Renewable and Sustainable Fertilizers Produced Locally	\$1,000,000	\$1,000,000	\$0	U of MN	Alon McCormick	Statewide
07c	110-E	Reducing Emissions from Open Burning through Biomass Gasification	\$268,000	\$268,000	\$0	U of MN	William Northrop	Metro, SW
07d	116-E	Building Deconstruction to Reduce Greenhouse Gas Emissions and Solid Waste	\$1,000,000	\$1,000,000	\$0	The NetWork for Better Futures d/b/a Better Futures Minnesota	Steve Thomas	Central, Metro, NE, NW
	Air Qualit	ry, Climate Change, and Renewable Energy Subtotal =	\$3,268,000	\$3,268,000	\$0			
Subd. 0	3 Method	ls to Protect, Restore, and Enhance Land, Water, and	Habitat (11 Recom	mendations - Subto	otal = \$4,646,000)			
08a	117-F	Prioritizing Future Management of North Shore Trout Streams	\$416,000	\$357,000	\$59,000	U of MN - NRRI	Lucinda Johnson	NE
08b	118-F	Thirteen Counties Propagating Native Plants and Restoring Diverse Habitats	\$495,000	\$495,000	\$0	Martin County Soil and Water Conservation	Rich Perrine	Central, NE, NW, SW
08c	119-F	Preserving and Protecting Minnesota Native Orchid Species	\$167,000	\$167,000	\$0	U of MN - Landscape Arboretum	David Remucal	Statewide
08d	122-F	Acceleration of Minnesota Conservation Assistance - Final Phase	\$1,000,000	\$1,000,000	\$0	Board of Water and Soil Resources	Tabor Hoek	Statewide
08e		Metro Conservation Corridors Phase VIII - Prairie, Forest, and Savanna Restoration in Greater Metropolitan Area	\$276,000			Friends of the Mississippi River	Tom Lewanski	Metro
08f		Metro Conservation Corridors Phase VIII - Enhancing Restoration Techniques for Improved Climate Resilience and Pollinator Conservation	\$400,000	\$400,000	\$0	Great River Greening	Wiley Buck	Metro

			Total	LCCMR \$	LCCMR \$			
	ENRTF		LCCMR \$	Recommended	Recommended		Program	Region of
Subd.	ID	Title	Recommended	ENRTF: FY 2016	GLPA: FY 2016	Affiliation	Manager	Impact*
08g	123-F	Minnesota State University Moorhead Science	\$527,000	\$527,000	\$0	Moorhead State	Brian Wisenden	NW
		Center Restoration and Monitoring				University		
08h	127-F	Improving Community Forests Through Citizen	\$800,000	\$800,000	\$0	Minnesota Pollution	Sarah Rudolf	Statewide
		Engagement				Control Agency		
08i	128-F	Flood Recovery on Sargent Creek Duluth Habitat	\$300,000	\$300,000	\$0	City of Duluth	Christopher	NE
		Restoration					Kleist	
08j	129-F	Shoreland Protection for the Lower St. Croix River	\$190,000	\$190,000	\$0	St. Croix River Association	Deb Ryun	Metro
08k	135-F	Redwood and Renville Counties Outdoor Recreation	\$75,000	\$75,000	\$0	Redwood County and	Mark Erickson	Central, SW
		and Conservation Master Plan				Renville County		
Metho	ds to Pro	tect, Restore, and Enhance Land, Water, and Habitat	\$4,646,000	\$4,587,000	\$59,000			
		Subtotal =	Ş 4 ,040,000	Ş 4 ,387,000	000,665			
Subd. 09	9 Land Ac	quisition for Habitat and Recreation (11 Recommend	ations - Subtotal =	\$14,190,000)				
09a	139-G	State Parks and State Trails Land Acquisitions	\$1,500,000	\$1,500,000	\$0	MN DNR	Jennifer Christie	Statewide
09b		Metropolitan Regional Park System Land Acquisition -	\$1,000,000	\$1,000,000	\$0	Metropolitan Council	Arne Stefferud	Metro
		Phase IV						
09c	137-G	SNA Acquisition, Restoration, Enhancement and Public Engagement	\$4,000,000	\$4,000,000	\$0	MN DNR	Peggy Booth	Statewide
09d	138-G	Native Prairie Stewardship and Prairie Bank	\$3,325,000	\$3,325,000	\$0	MN DNR	Jason Garms	Central, NW,
		Easement Acquisition						SE, SW
09e	145-G	Metro Conservation Corridors Phase VIII -	\$515,000	\$515,000	\$0	Minnesota Land Trust	John Brosnan	Metro
	148-G	Coordination and Mapping and Conservation Easements						
09f	144-G	Metro Conservation Corridors Phase VIII - Strategic	\$750,000	\$750,000	\$0	The Trust for Public	Danielle Salus	Metro
		Lands Protection				Land		
09g	141-G	Metro Conservation Corridors Phase VIII - Priority	\$500,000	\$500,000	\$0	Minnesota Valley	Deborah Loon	Metro
		Expansion of Minnesota Valley National Wildlife				National Wildlife		
		Refuge				Refuge Trust Inc		
09h	143-G	Metro Conservation Corridors Phase VIII - Wildlife	\$400,000	\$400,000	\$0		Patrick Rivers	Metro
		Management Area Acquisition						
09i	142-G	Mesabi Trail Development Soudan to Ely - Phase II	\$1,000,000	\$1,000,000	\$0	St. Louis & Lake	Bob Manzoline	NE
		·				Counties Regional		
09j	147-G	Multi-benefit Watershed Scale Conservation on	\$950,000	\$950,000	\$0	Leech Lake Area	Lindsey Ketchel	Central
		North Central Lakes				Watershed Foundation		

Subd.	ENRTF ID	Title	Total LCCMR \$ Recommended	LCCMR \$ Recommended ENRTF: FY 2016	LCCMR \$ Recommended GLPA: FY 2016	Affiliation	Program Manager	Region of Impact*
09k	n/a	Conservation Easement Assessment and Valuation System Development	\$250,000	\$250,000	\$0	U of MN	Mike Kilgore Steve Taff	Statewide
	La	and Acquisition for Habitat and Recreation Subtotal =	\$14,190,000	\$14,190,000	\$0			
Subd. 10) Adminis	stration and Contract Agreement Reimbursement (2 F	Recommendation -	Subtotal = \$1,207,0	000)			
10a	xx	Legislative-Citizen Commission on Minnesota Resources (LCCMR)	\$1,072,000	\$1,072,000	\$0	Legislative-Citizen Commission on	Susan Thornton	Statewide
10b	152-H	Contract Agreement Reimbursement	\$135,000	\$135,000	\$0	MN DNR	Amanda Graeber	Statewide
Admir	Administration and Contract Agreement Reimbursement Subtotal =		\$1,207,000	\$1,207,000	\$0			
		Total \$ Recommendation =	\$46,383,000	\$46,324,000	\$59,000			

^{*}Region of Impact designated in the State include Statewide, Central, Metro, NE, NW, SE, SW. Metro region includes the 11 counties of Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, Washington, and Wright.