

## LCCMR M.L. 2013 ENVIRONMENT AND NATURAL RESOURCES TRUST FUND RECOMMENDATIONS BY SUBDIVISION - HF xxx & SF xxx

### LCCMR Process for M.L. 2013 Recommendations

*For the next biennium (July 1, 2013 - June 30, 2014), approximately \$33.8 million is available each fiscal year (Total = \$67,620,000) for funding from the Environment and Natural Resources Trust Fund. In response to the 2012-2013 Request for Proposal, 169 proposals requesting a total of approximately \$155 million were received. Through a competitive, multi-step process, 66 of these proposals, requesting a total of \$73 million, were chosen to present to the LCCMR and 46 of those proposals were chosen to receive a recommendation for funding. These recommendations are for the FY 2014 funds and part of the FY 2015 funds. Recommendations for the remainder of the FY 2015 funds will be presented to the 2014 Legislature as part of the 2013-2014 RFP process.*

December 7, 2011	2012-2013 Funding Priorities Determined and RFP Adopted
December 12, 2011	2012-2013 RFP Issued
April 6, 2012	2012-2013 RFP Proposal Deadline (Received 169 Proposals totaling \$154,628,351)
June 5, 2012	Discussion of 2012-2013 Proposals Received and Selection of Proposals for Presentations
June 19, 20, 27, 28, 2012	2012-2013 Proposal Presentations (4 days) (66 proposals totaling \$73,610,973 selected to present)
July 11, 2012	2013 Allocations Recommendations
August-November 2012	Research Projects Recommended Undergo Peer Review
November 28, 2012	M.L. 2013 Appropriation Language Review & Adoption

### Summary of Recommendations by Subdivision\*

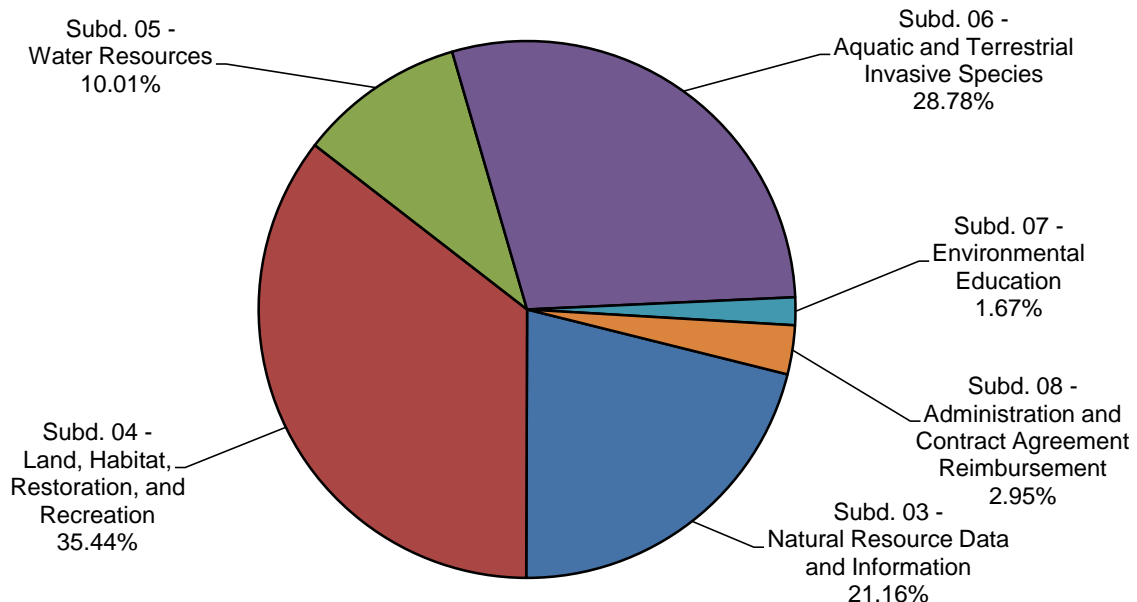
Subdivision	\$ Recommended	# Appropriations**
Subd. 03 - Natural Resource Data and Information	\$8,076,000	10
Subd. 04 - Land, Habitat, Restoration, and Recreation	\$13,522,000	11
Subd. 05 - Water Resources	\$3,819,000	8
Subd. 06 - Aquatic and Terrestrial Invasive Species	\$10,982,000	7
Subd. 07 - Environmental Education	\$636,000	2
Subd. 08 - Administration and Contract Agreement Reimbursement	\$1,125,000	2
<b>TOTAL</b>	<b>\$38,160,000</b>	<b>40</b>

**Notes:**

\*The distribution of dollars is based on the subdivisions in the appropriation language.

\*\*One appropriation includes multiple projects with multiple partners of different affiliations receiving funds. The total number of individual projects within the 40 appropriations is 46.

### % of Total \$ Recommended

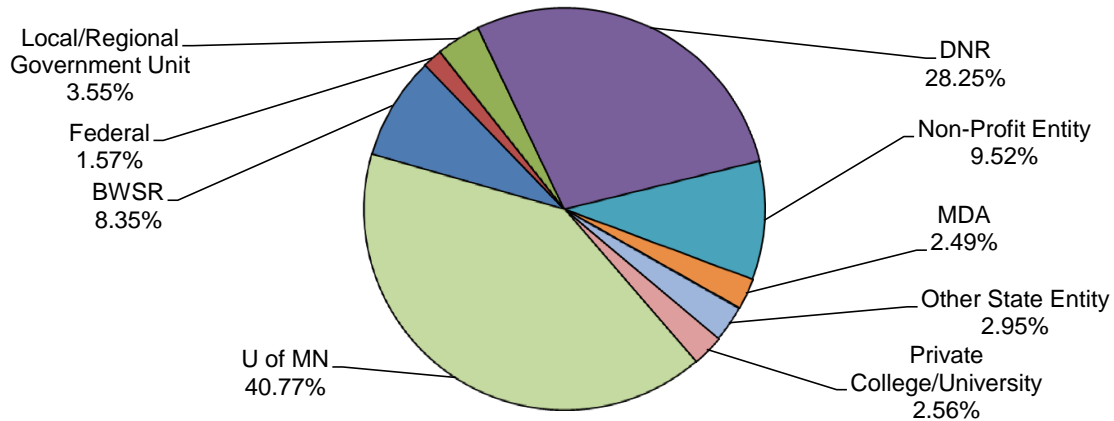


**LCCMR M.L. 2013 ENVIRONMENT AND NATURAL RESOURCES TRUST FUND  
RECOMMENDATIONS BY SUBDIVISION - HF xxx & SF xxx**

Summary of Project Recommendations by Proposer Affiliation*		
Affiliation Type	\$ Recommended	# Projects
MN Board of Water and Soil Resources (BWSR)	\$3,186,000	2
Federal	\$600,000	1
Local/Regional Government Unit	\$1,353,000	4
MN Department of Natural Resources (DNR)	\$10,780,000	11
Non-Profit Entity	\$3,634,000	9
MN Department of Agriculture (MDA)	\$950,000	2
Other State Entity	\$1,125,000	2
Private College/University	\$975,000	2
U of MN	\$15,557,000	13
<b>TOTAL</b>	<b>\$38,160,000</b>	<b>46</b>

\*Some projects have multiple partners with different affiliations receiving funds. The distribution of funds between affiliation types above is based on the best information available at this time.

**% of Total \$ Requests Selected to Present by Proposer Affiliation**

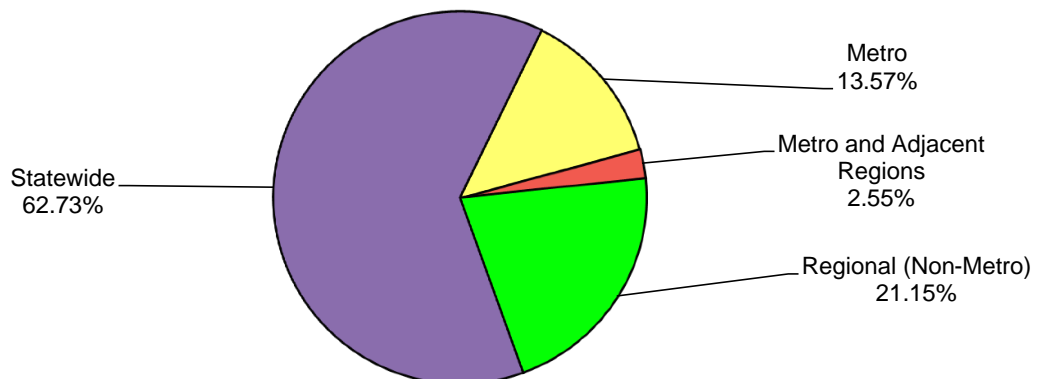


Summary of Proposals Selected to Present by Area of Impact		
Area of Impact	\$ Recommended	# Projects
Metro*	\$5,180,000	7
Metro and Adjacent Regions	\$973,000	4
Regional (Non-Metro)**	\$8,070,000	13
Statewide	\$23,937,000	22
<b>TOTAL</b>	<b>\$38,160,000</b>	<b>46</b>

\* "Metro" region includes the 11 counties of Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, Washington, and Wright.

\*\* "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.

**% of Total \$ Requests Selected to Present by Area of Impact**



# ENVIRONMENT AND NATURAL RESOURCES TRUST FUND M.L. 2013 LCCMR Recommendations – H.F. XXX & S.F. XXX

## SUMMARY OF ML 2013 APPROPRIATIONS BY SUBDIVISION (\$38,160,000)

- SUBD. 3. Natural Resource Data and Information: \$8,076,000 – 10 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, inventory, monitoring, and data management pertaining to existing state-held conservation easements.
  - Research and analysis pertaining to Dutch elm disease resistance and to the application of unique microorganisms for bioremediation, bioenergy, and biocontrol uses.
  - Evaluation of alternative methods for improved and expedited forest inventory, more sustainable timber payment methods, and management of woodland grazing.
- SUBD. 4. Land, Habitat, Restoration, and Recreation: \$13,522,000 – 11 Appropriations [17 projects]**
- Protection, restoration, and enhancement of priority, high quality, and unique lands and habitat through fee title acquisition, conservation easements, restoration/enhancement, and related efforts.
  - Expansion of outdoor recreational opportunities through expanded state parks and state trails, an expanded metropolitan landscape arboretum, and the addition of a new city park in Saint Paul.
  - Planning and monitoring to conserve rare and unique habitats with high biodiversity significance.
  - Development and assessment of best practices for restoring moose habitat, enhancing bee pollinator habitat, and utilizing conservation grazing to improve wildlife habitat.
  - Technical assistance and training for landowners on conservation program opportunities, habitat restoration, and land stewardship.
  - Outreach to engage and educate citizens about ecology, outdoor recreation, and land use and protection.
- SUBD. 5. Water Resources: \$3,819,000 – 8 Appropriations**
- Development and implementation of modeling, monitoring, and reporting protocols to track and understand changes in Minnesota lakes and improve water and fisheries management.
  - Assessment of copper-nickel bedrock in northeastern Minnesota and its related impacts to water quality as a result of both natural processes and potential future mining operations.
  - Research and analysis pertaining to understanding significant thermal and biological changes occurring in Lake Superior and related implications; evaluating the impacts of habitat restoration on flood-reduction and water quality to inform future restoration practices; and assessing the presence, sources, and threats posed by antibiotics in the Mississippi River.
  - Develop, test, and optimize a technology designed to utilize wastewater to generate clean water and energy.
  - Installation and monitoring of shoreland and agricultural best management practices to improve water quality of lakes in two regions of southern Minnesota.
- SUBD. 6. Aquatic and Terrestrial Invasive Species: \$10,982,000 – 8 Appropriations**
- Establish, develop, and support a new, first-of-its-kind research center at the University of Minnesota specifically dedicated to developing and implementing new techniques for controlling aquatic invasive species.
  - Development, testing, monitoring, and implementation pertaining to control methods for a variety of established invasive species including garlic mustard, emerald ash borer, and zebra mussels and several emerging invasive species including oriental bittersweet and Grecian foxglove.
  - Establishment of a detection and monitoring program targeting Asian carp species.
- SUBD. 7. Environmental Education: \$636,000 – 2 Appropriations**
- Training of future conservation professionals through mentoring opportunities.
  - Delivery of environmental education and training to youth through focused outdoors experiences along the Mississippi River from Grand Rapids to the Twin Cities and down to Red Wing and through internships in environmental fields.
- SUBD. 8. Administration and Contract Agreement Reimbursement: \$1,125,000 – 2 Appropriations**
- LCCMR administration and project contract agreement reimbursement.

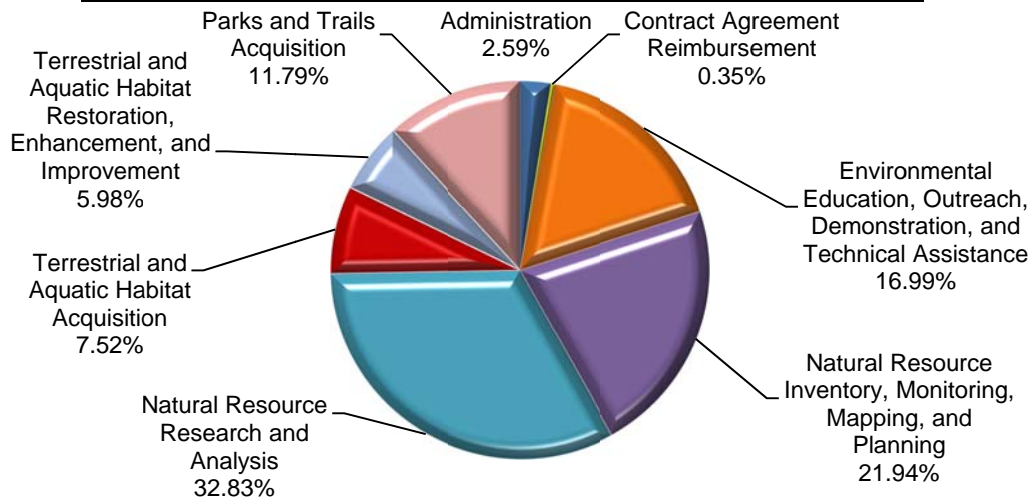
\*Includes approximately \$33.8 million for FY 2014 and \$4.4 million for FY 2015.

# ENVIRONMENT AND NATURAL RESOURCES TRUST FUND M.L. 2013 LCCMR Recommendations – H.F. XXX & S.F. XXX

## SUMMARY OF EXPECTED OUTCOMES ACROSS SUBDIVISIONS FOR ~\$38.2 MILLION\*

- **Natural Resource Inventory, Monitoring, Mapping, and Planning: ~\$8.4 million**  
*Inventory, monitoring, mapping, and planning* efforts to obtain critical information and guide relevant decisions and efforts over time, including acceleration of the MN Biological Survey; MN County Geologic Atlas program; MN Wetlands Inventory; mapping and measurement of springsheds; expanded monitoring and management of state-owned lands; surveying, monitoring, and modeling of Minnesota lakes, including Lake Superior; detection and monitoring of invasive species including Asian carp, emerald ash borer, and others.
- **Terrestrial and Aquatic Habitat Acquisition: ~\$2.9 million**  
*Acquisition* of an estimated 912 acres in a combination of fee title (130 acres and .2 miles of shoreline) and conservation easements (782 acres and .7 miles of shoreline), including donated easements. Permanently protected areas will include forests, prairie, blufflands, wetlands, shorelands, grasslands, and other habitat.
- **Terrestrial and Aquatic Habitat Restoration, Enhancement, and Improvement ~\$2.3 million**  
*Restoration, enhancement, and improvement* activities on an estimated 9,289 acres and 6 miles of shoreline. Activities performed will include seed collection, prescribed burns, soil preparation, native vegetation installation, structural improvements, woody encroachment removal, and invasive species control.
- **Parks and Trails Acquisition: ~\$4.5 million**  
*Acquisition* of an estimated 287 acres, including 1.35 miles of shoreline, in state parks, state trails, a metropolitan park, and the University of Minnesota Landscape Arboretum.
- **Natural Resource Research and Analysis: ~\$12.5 million**  
*Research and analysis* projects that will advance our knowledge about and provide strategies and recommendations for addressing issues relating to invasive species control; water quality and conservation; bioremediation and wastewater treatment; renewable energy options; forestry and forest inventory practices; species protection, decline, and recovery; and conservation grazing practices.
- **Environmental Education, Outreach, Demonstration, and Technical Assistance: ~\$6.5 million**  
*Environmental education, outreach, demonstration, and technical assistance* efforts that will engage and educate Minnesotans on topics including ecology, plants and wildlife, land protection, alternative landscape practices, and outdoor recreation; demonstrate options for alternative landscape practices; and provide training and technical assistance on invasive species prevention, detection, and control and natural resource conservation and management tools, practices, and options.
- **Contract Agreement Reimbursement: ~\$0.1 million**  
Administering of contract agreement reimbursement for projects of non-state entities.
- **Administration: ~\$1 million**  
FY 2014-2015 LCCMR administration

### % OF EXPECTED OUTCOMES ACROSS SUBDIVISIONS



\*Includes approximately \$33.8 million for FY 2014 and \$4.4 million for FY 2015.