

Invasive Species Projects Funded Through LCMR/LCCMR Process – 1991-2011
Funds: Environment and Natural Resources Trust Fund (ENRTF), Future Resources Fund (FRF), and Oil Overcharge (OOC)

Legislative-Citizen Commission on Minnesota Resources (LCCMR)

2011 – TOTAL = \$870,000 [\$870,000 ENRTF]

- Subd. 6 Aquatic and Terrestrial Invasive Species – \$870,000 [\$870,000 ENRTF]
- 6a Improved Detection of Harmful Microbes in Ballast Water – RESEARCH – \$250,000
- 6b Emerald Ash Borer Biocontrol Research and Implementation – RESEARCH – \$500,000
- cd Evaluation of Invasiveness Potential of Switchgrass as Biofuel Crop – RESEARCH – \$120,000

2010 – TOTAL = \$1,470,000 [\$1,470,000 ENRTF]

- Subd. 6 Aquatic and Terrestrial Invasive Species – \$1,470,000 [\$1,470,000 ENRTF]
- 6a Biological Control of European Buckthorn and Garlic Mustard - RESEARCH
- 6b Ecological and Hydrological Impacts of Emerald Ash Borer - RESEARCH
- 6c Healthy Forests to Resist Invasion - RESEARCH
- 6d Bioacoustic Traps for Management of the Round Goby – RESEARCH

2009 – TOTAL = \$1,021,000 [\$1,021,000 ENRTF]

- Subd. 6 Aquatic and Terrestrial Invasive Species – \$1,021,000 [\$1,021,000 ENRTF]
- 6a Ballast Water Sampling Method Development and Treatment Technology - RESEARCH
- 6b Emergency Delivery System Development for Disinfecting Ballast Water - RESEARCH
- 6c Improving Emerging Fish Disease Surveillance in Minnesota - RESEARCH
- 6d Controlling the Movement of Invasive Fish Species
- 6e Prevention and Early Detection of Invasive Earthworms

2008 – TOTAL = \$550,000 [\$550,000 ENRTF]

- Subd. 4 Water Resources – \$550,000 [\$550,000 ENRTF]
- 4b Accelerating Plans for Integrated Control of the Common Carp

2007 – TOTAL = \$415,000 [\$415,000 ENRTF]

- Subd. 4 Land – \$415,000 [\$415,000 ENRTF]
- 4i Biological Control of European Buckthorn and Garlic Mustard - RESEARCH
- 4j Neutralization of Reed Canary Grass Root Exudates – RESEARCH

Legislative Commission on Minnesota Resources (LCMR)

2005 – TOTAL = \$750,000 [\$750,000 ENRTF]

- Subd. 5 Fish & Wildlife Habitat – \$750,000 [\$750,000 ENRTF]
- 05g Integrated and Pheromonal Control of Common Carp - RESEARCH
- 05h Biological Control of European Buckthorn and Garlic Mustard – RESEARCH

2003 – TOTAL = \$298,000 [\$298,000 ENRTF]

- Subd. 5 Fish & Wildlife Habitat – \$298,000 [\$298,000 ENRTF]
- 05h Developing Pheromones for Use in Carp Control - RESEARCH
- 05i1 Biological Control of European Buckthorn and Spotted Knapweed - RESEARCH
- 05i2 Biological Control of European Buckthorn and Spotted Knapweed – RESEARCH

2001 – TOTAL = \$90,000 [\$90,000 ENRTF]

Subd. 4 Fish and Wildlife Habitat – \$90,000 [\$90,000 ENRTF]

04d Biological Control of Eurasian Watermilfoil and Purple Loosestrife-Continuation – RESEARCH

1999 – TOTAL = \$550,000 [\$290,000 ENRTF; \$260,000 FRF]

Subd. 16 Exotic Species – \$550,000 [\$290,000 ENRTF; \$260,000 FRF]

16a Biological Control of Eurasian Watermilfoil and Purple Loosestrife - Continuation - RESEARCH

16b Evaluate establishment, impact of leafy spurge biocontrol agents

16c Restoring Native Vegetation in Parks and Nature Centers

1997 – TOTAL = \$500,000 [\$150,000 ENRTF; \$350,000 FRF]

Subd. 20 Exotic Species – \$500,000 [\$150,000 ENRTF; \$350,000 FRF]

20a Ballast Water Technology Demonstration for Exotic Species Control - RESEARCH

20b Biological Control of Eurasian Watermilfoil & Purple Loosestrife - Continuation - RESEARCH

20c Control of Weeds in Native Wild Rice – RESEARCH

1995 – TOTAL = \$490,000 [\$350,000 ENRTF; \$140,000 FRF]

Subd. 13 Biological Control – \$490,000 [\$350,000 ENRTF; \$140,000 FRF]

13a Biological Control of Eurasian Watermilfoil and Purple Loosestrife - Continuation - RESEARCH

13b Biological Control of Overland Spread of Oak Wilt - RESEARCH

13c Beneficial Fungal Inoculum for Prairie and Wetland Reclamation – RESEARCH

1993 – TOTAL = \$1,410,000 [\$400,000 ENRTF; \$130,000 FRF; \$880,000 OOC]

Subd. 03 Agriculture – \$880,000 [\$880,000 OOC]

03a Biological Control of Plant and Animal Pests – Continuation

Subd. 12 Wildlife, Fisheries, Plants – \$530,000 [\$400,000 ENRTF; \$130,000 FRF]

12l Biological Control of Eurasian Watermilfoil and Purple Loosestrife - Continuation

12m Replacement of Eurasian Watermilfoil with Native Minnesota Plants

12n Integrated Control of Purple Loosestrife

1991 – TOTAL = \$960,000 [\$650,000 ENRTF; \$310,000 FRF]

Subd. 06 Agriculture – \$650,000 [\$650,000 ENRTF]

06a Biological Control of Pests

Subd. 09 Wildlife – \$310,000 [\$310,000 FRF]

09b Biological Control of Ecologically Harmful Exotic Species: Eurasian Watermilfoil

09c Microbial/Genetic Strategies for Mosquito Control