

**Adopted November 18, 2010 – Environment and Natural Resources Trust Fund
FY2012-2013 Recommendations**

1 Section 1. MINNESOTA RESOURCES APPROPRIATION

2 The sums shown in the columns marked "Appropriations" are appropriated to the agencies and for the
3 purposes specified in this act. The appropriations are from the general fund, or another named fund,
4 and are available for the fiscal years indicated for each purpose. The figures "2012" and "2013" used in
5 this article mean that the appropriations listed under them are available for the fiscal year ending June
6 30, 2012, or June 30, 2013, respectively. "The first year" is fiscal year 2012. "The second year" is fiscal
7 year 2013. "The biennium" is fiscal years 2012 and 2013. The appropriations in this act are onetime.

8
9 APPROPRIATIONS

10 Available for the Year Ending June 30

	2012	2013
11 Section 2. MINNESOTA RESOURCES		
12		
13		
14 Subd. 1. TOTAL APPROPRIATIONS	\$26,062,000	\$25,311,000

15
16
17 Appropriations by Fund

	2012	2013
18		
19 Environment and Natural Resources Trust Fund	25,312,000	25,311,000
20		
21 State Land and Water Conservation Account (LAWCON)	750,000	-0-

22
23 Appropriations are available for two years beginning July 1, 2011, unless otherwise stated in the
24 appropriation. Any unencumbered balance remaining in the first year does not cancel and is available
25 for the second year.

26
27 Subd. 2. DEFINITIONS

28
29 (a) "Trust Fund" means the Minnesota Environment and Natural Resources Trust Fund referred to in
30 Minnesota Statutes, section 116P.02, subdivision 6.

31
32 (b) "State land and water conservation account (LAWCON)" means the state land and water
33 conservation account in the natural resources fund referred to in Minnesota Statutes, section 116P.14.
34

35 Subd. 3. Natural Resource Data and Information

36		
37 Environment and Natural Resources Trust Fund	4,564,000	6,396,000

38
39 (a) Minnesota County Biological Survey

40 \$1,125,000 the first year and \$1,125,000 the second year are from the trust fund to the commissioner of
41 natural resources for continuation of the Minnesota county biological survey to provide a foundation for
42 conserving biological diversity by systematically collecting, interpreting, and delivering data on plant and
43 animal distribution and ecology, native plant communities, and functional landscapes.
44

45 (b) County Geologic Atlases for Sustainable Water Management

46 \$900,000 the first year and \$900,000 the second year are from the trust fund to accelerate the
47 production of county geologic atlases to provide information essential to sustainable management of
48 ground water resources by defining aquifer boundaries and the connection of aquifers to the land
49 surface and surface water resources. Of this appropriation, \$600,000 each year is to the Board of
50 Regents of the University of Minnesota for the Geologic Survey and \$300,000 each year is to the
51 commissioner of natural resources. This appropriation is available until June 30, 2015, by which time
52 the project must be completed and final products delivered.

53

54 **(c) Completion of a Statewide Digital Soil Survey**

55 \$250,000 the first year and \$250,000 the second year are from the trust fund to the Board of Water and
56 Soil Resources to accelerate the completion of county soil survey mapping and web-based data delivery.
57 The soil surveys must be done on a cost-share basis with local and federal funds.

58

59 **(d) Updating the National Wetland Inventory for Minnesota – Phase III**

60 \$1,500,000 the second year is from the trust fund to the commissioner of natural resources to continue
61 the update of wetland inventory maps for Minnesota. This appropriation is available until June 30, 2015,
62 by which time the project must be completed and final products delivered.

63

64 **(e) Minnesota Breeding Bird Atlas – Phase III**

65 \$330,000 the second year is from the trust fund for the continuation of the statewide survey of
66 Minnesota breeding bird distribution and create related publications, including a book and online atlas
67 with distribution maps and breeding status. Of this appropriation, \$228,000 is to the commissioner of
68 natural resources for an agreement with National Audubon Society and \$102,000 is to the Board of
69 Regents of the University of Minnesota for the Natural Resources Research Institute. The atlas must be
70 available for downloading on the Internet free of charge. This appropriation is available until June 30,
71 2015, by which time the project must be completed and final products delivered.

72

73 **(f) Golden Eagle Survey**

74 \$45,000 the first year and \$45,000 the second year are from the trust fund to the commissioner of
75 natural resources for an agreement with the National Eagle Center to increase the understanding of
76 golden eagles in Minnesota through surveys and education. This appropriation is available until June 30,
77 2014, by which time the project must be completed and final products delivered.

78

79 **(g) Determining Causes of Mortality in Moose Populations**

80 \$300,000 the first year and \$300,000 the second year are from the trust fund to the commissioner of
81 natural resources to determine specific causes of moose mortality and population decline in Minnesota
82 and develop specific management actions to prevent further population decline. This appropriation is
83 available until June 30, 2014, by which time the project must be completed and final products delivered.

84

85 **(h) Canada Lynx Recovery Options**

86 \$25,000 the first year and \$25,000 the second year are from the trust fund to the Board of Regents of
87 the University of Minnesota for the Natural Resources Research Institute to assess Canada lynx recovery
88 options.

89

90 **(i) Conserving Prairie Plant Diversity and Evaluating Local Adaptation**

91 \$262,000 the first year and \$263,000 the second year are from the trust fund to the Board of Regents of
92 the University of Minnesota to research and develop a scientific basis for identifying adapted seed
93 sources for restoring prairie ecosystems and to conserve the genetic diversity of plants of the Minnesota

94 tallgrass prairie. This appropriation is available until June 30, 2014, by which time the project must be
95 completed and final products delivered.

96

97 **(j) Prairie Management for Wildlife and Bioenergy – Phase II**

98 \$475,000 the first year and \$475,000 the second year are from the trust fund to the Board of Regents of
99 the University of Minnesota to research and evaluate methods of managing diverse working prairies for
100 wildlife and renewable bioenergy production. This appropriation is available until June 30, 2014, by
101 which time the project must be completed and final products delivered.

102

103 **(k) Evaluation of Biomass Harvesting Impacts on Minnesota’s Forests**

104 \$175,000 the first year and \$175,000 the second year are from the trust fund to the Board of Regents of
105 the University of Minnesota to assess the impacts biomass harvests for energy have on soil nutrients,
106 native forest vegetation, invasive species spread, and long-term tree productivity within Minnesota’s
107 forests. This appropriation is available until June 30, 2014, by which time the project must be
108 completed and final products delivered.

109

110 **(l) Change and Resilience in Boreal Forests in Northern Minnesota**

111 \$100,000 the first year and \$100,000 the second year are from the trust fund to the Board of Regents of
112 the University of Minnesota to assess the potential response of Northern Minnesota’s boreal forests to
113 observed and predicted changes in climate conditions and develop related management guidelines and
114 adaptation strategies. This appropriation is available until June 30, 2014, by which time the project must
115 be completed and final products delivered.

116

117 **(m) Information System for Wildlife and Aquatic Management Areas**

118 \$250,000 the first year and \$250,000 the second year are from the trust fund to the commissioner of
119 natural resources to develop an information system to facilitate improved management of wildlife and
120 fish habitat and facilities. This appropriation is available until June 30, 2014, by which time the project
121 must be completed and final products delivered.

122

123 **(n) Strengthening Natural Resource Management with LiDAR Training**

124 \$90,000 the first year and \$90,000 the second year are from the trust fund to the Board of Regents of
125 the University of Minnesota to provide workshops and web-based training and information on the use
126 of LiDAR elevation data in planning and management of natural resources.

127

128 **(o) Measuring Conservation Practice Outcomes**

129 \$170,000 the first year and \$170,000 the second year are from the trust fund to the Board of Water and
130 Soil Resources to improve measurement of impacts of conservation practices through refinement of
131 existing and development of new pollution estimators and by providing local government training.

132

133 **(p) Conservation-Based Approach for Assessing Public Drainage Benefits**

134 \$75,000 the first year and \$75,000 the second year are from the trust fund to the Board of Water and
135 Soil Resources to develop an alternative framework to assess drainage benefits on public systems to
136 enhance water conservation. This appropriation is available until June 30, 2014, by which time the
137 project must be completed and final products delivered.

138

139 **(q) Mississippi River Central Minnesota Conservation Planning**

140 \$87,000 the first year and \$88,000 the second year are from the trust fund to the commissioner of
141 natural resources for an agreement with Stearns County Soil and Water Conservation District to develop

142 and adopt river protection strategies in cooperation with local jurisdictions in the communities of the 26
143 miles of the Mississippi River between Benton and Stearns Counties. This appropriation must be
144 matched by \$175,000 of non-state cash or qualifying in-kind funds.
145

146 **(r) Saint Croix Basin Conservation Planning and Protection**

147 \$100,000 the first year and \$100,000 the second year are from the trust fund to the commissioner of
148 natural resources for an agreement with the St Croix River Association to develop an interagency plan to
149 identify and prioritize critical areas for project implementation to improve watershed health. This
150 appropriation must be matched by \$200,000 of nonstate cash or qualifying in-kind funds. Up to \$10,000
151 may be retained by the Department of Natural Resources at the request of St Croix River Association to
152 provide technical and mapping assistance. This appropriation is available until June 30, 2014, by which
153 time the project must be completed and final products delivered.
154

155 **(s) Brainerd Lakes Community-Based Conservation and Recreation Planning**

156 \$135,000 the first year and \$135,000 the second year are from the trust fund to the commissioner of
157 natural resources for an agreement with Crow Wing County to develop and implement community
158 based conservation and recreational planning to protect natural resources. This appropriation is
159 contingent on the commitment of Crow Wing County to pursue adoption of ordinances developed to
160 protect the natural resources and to provide \$270,000 nonstate match of cash or qualifying in-kind
161 funds.
162

163 **Subd. 4. Land, Habitat, and Recreation**

164

165 Environment and Natural Resources Trust Fund	15,486,000	13,649,000
166 State Land and Water Conservation Account (LAWCON)	750,000	-0-

167

168 **(a) Lake Vermilion State Park Development**

169 \$2,421,000 the first year and \$579,000 the second year are from the trust fund to the commissioner of
170 natural resources for initial phases of development of Lake Vermilion State Park. A master plan must be
171 completed and a specific list of proposed projects and project elements must be provided to the
172 commission before any expenditure of money appropriated in this paragraph.
173

174 **(b) State Parks and Trails Land Acquisition**

175 \$1,500,000 the first year and \$1,500,000 the second year are from the trust fund to the commissioner of
176 natural resources to acquire state trails and critical parcels within the statutory boundaries of state
177 parks. State Park land acquired with this appropriation must be sufficiently improved to meet at least
178 minimum management standards as determined by the commissioner of natural resources. A list of
179 proposed acquisitions must be provided as part of the required work program. This appropriation is
180 available until June 30, 2014, by which time the project must be completed and final products delivered.
181

182 **(c) Metropolitan Regional Park System Acquisition**

183 \$1,125,000 the first year and \$1,125,000 the second year are from the trust fund to the Metropolitan
184 Council for grants for the acquisition of lands within the approved park unit boundaries of the
185 metropolitan regional park system. This appropriation may not be used for the purchase of residential
186 structures. A list of proposed fee title and easement acquisitions must be provided as part of the
187 required work program. This appropriation must be matched by at least 40 percent of nonstate money
188 and must be committed by December 31, 2011, or the appropriation cancels. This appropriation is

189 available until June 30, 2014, at which time the project must be completed and final products delivered,
190 unless an earlier date is specified in the work program.

191

192 **(d) Regional Park, Trail, and Connections Acquisition and Development Grants**

193 \$1,000,000 the first year and \$1,000,000 the second year are from the trust fund to the commissioner of
194 natural resources to provide matching grants to local units of government for acquisition and
195 development of regional parks, regional trails, and trail connections. The local match required for a
196 grant to acquire a regional park or regional outdoor recreation area is two dollars of nonstate money for
197 each three dollars of state money. This appropriation is available until June 30, 2014, by which time the
198 project must be completed and final products delivered.

199

200 **(e) Scientific and Natural Area Acquisition and Restoration**

201 \$1,640,000 the first year and \$1,640,000 the second year are from the trust fund to the commissioner of
202 natural resources to acquire lands with high quality native plant communities and rare features to be
203 established as scientific and natural areas as provided in Minnesota Statutes, section 86A.05, subdivision
204 5, restore parts of scientific and natural areas, and provide technical assistance and outreach. A list of
205 proposed acquisitions must be provided as part of the required work program. Land acquired with this
206 appropriation must be sufficiently improved to meet at least minimum management standards as
207 determined by the commissioner of natural resources. This appropriation is available until June 30,
208 2014, by which time the project must be completed and final products delivered.

209

210 **(f) LaSalle Lake Scientific and Natural Area Acquisition**

211 \$1,000,000 the first year and \$1,000,000 the second year are from the trust fund to the commissioner of
212 natural resources for an agreement with the Trust for Public Land to acquire approximately 190 acres to
213 be designated as a scientific and natural area as provided in Minnesota Statutes, section 86A.05
214 subdivision 5, on LaSalle Lake adjacent to the Upper Mississippi River. If this acquisition is not
215 completed by July 15, 2012 then the appropriation is available to the Department of Natural Resources
216 for other Scientific and Natural Area acquisitions on the priority list. Up to \$10,000 may be retained by
217 the department of natural resources at the request of Trust for Public Land for transaction costs,
218 associated professional services, and restoration needs.

219

220 **(g) Minnesota River Valley Green Corridor Scientific and Natural Area Acquisition**

221 \$1,000,000 the first year and \$1,000,000 the second year are from the trust fund to the commissioner of
222 natural resources for an agreement with the Redwood Area Communities Foundation to acquire lands
223 with high quality native plant communities and rare features to be established as scientific and natural
224 areas as provided in Minnesota Statutes, section 86A.05, subdivision 5. A list of proposed acquisitions
225 must be provided as part of the required work program. Land acquired with this appropriation must be
226 sufficiently improved to meet at least minimum management standards as determined by the
227 commissioner of natural resources. Up to \$54,000 may be retained by the Department of Natural
228 Resources at the request of Redwood Area Communities Foundation for transaction costs, associated
229 professional services and restoration needs. This appropriation is available until June 30, 2014, by which
230 time the project must be completed and final products delivered.

231

232 **(h) Native Prairie Stewardship and Native Prairie Bank Acquisition**

233 \$500,000 the first year and \$500,000 the second year are from the trust fund to the commissioner of
234 natural resources to acquire native prairie bank easements, prepare baseline property assessments,
235 restore and enhance native prairie sites, and provide technical assistance to land owners. This

236 appropriation is available until June 30, 2014, by which time the project must be completed and final
237 products delivered.

238

239 **(i) Metropolitan Conservation Corridors (MeCC) – Phase VI**

240 \$1,737,000 the first year and \$1,738,000 the second year are from the trust fund to the commissioner of
241 natural resources for the acceleration of agency programs and cooperative agreements. Of this
242 appropriation, \$150,000 the first year and \$150,000 the second year is to the commissioner of natural
243 resources for agency programs and \$3,175,000 is for agreements as follows: \$100,000 the first year and
244 \$100,000 the second year with Friends of the Mississippi River; \$517,000 the first year and \$518,000 the
245 second year with Dakota County; \$300,000 the first year and \$300,000 the second year with the Great
246 River Greening; \$220,000 the first year and \$220,000 the second year with Minnesota Land Trust;
247 \$200,000 the first year and \$200,000 the second year with Minnesota Valley National Wildlife Refuge
248 Trust, Inc.; and \$250,000 the first year and \$250,000 the second year with The Trust for Public Land for
249 planning, restoring, and protecting priority natural areas in the metropolitan area, as defined under
250 Minnesota Statutes, section 473.121, subdivision 2, and portions of the surrounding counties, through
251 contracted services, technical assistance, conservation easements, and fee title acquisition. Land
252 acquired with this appropriation must be sufficiently improved to meet at least minimum management
253 standards as determined by the commissioner of natural resources. Expenditures are limited to the
254 identified project corridor areas as defined in the work program. This appropriation may not be used for
255 the purchase of habitable residential structures, unless expressly approved in the work program. All
256 conservation easements must be perpetual and have a natural resource management plan. Any land
257 acquired in fee title by the commissioner of natural resources with money from this appropriation must
258 be designated as an outdoor recreation unit under Minnesota Statutes, section 86A.07. The
259 commissioner may similarly designate any lands acquired in less than fee title. A list of proposed
260 restorations and fee title and easement acquisitions must be provided as part of the required work
261 program. An entity who acquires a conservation easement with appropriations from the trust fund must
262 have a long-term stewardship plan for the easement and a fund established for monitoring and
263 enforcing the agreement. Money appropriated from the trust fund for easement acquisition may be
264 used to establish a monitoring, management, and enforcement fund as approved in the work program.
265 A financial annual report is required for any monitoring, management, and enforcement fund
266 established, including expenditures from the fund. This appropriation is available until June 30, 2014, by
267 which time the project must be completed and final products delivered.

268

269 **(j) Habitat Conservation Partnership (HCP) – Phase VII**

270 \$1,737,000 the first year and \$1,738,000 the second year are from the trust fund to the commissioner of
271 natural resources to for the acceleration of agency programs and cooperative agreements. Of this
272 appropriation, \$125,000 the first year and \$125,000 the second year is to the commissioner of natural
273 resources for agency programs and \$3,225,000 is for agreements as follows: \$637,000 the first year and
274 \$638,000 the second year with Ducks Unlimited, Inc.; \$38,000 the first year and \$37,000 the second year
275 with Friends of Detroit Lakes Wetland Management District; \$25,000 the first year and \$25,000 the
276 second year with Leech Lake Band of Ojibwe; \$225,000 the first year and \$225,000 the second year with
277 Minnesota Land Trust; \$200,000 the first year and \$200,000 the second year with Minnesota Valley
278 National Wildlife Refuge Trust, Inc.; \$242,000 the first year and \$243,000 the second year with
279 Pheasants Forever, Inc.; and \$245,000 the first year and \$245,000 the second year with Trust for Public
280 Land to plan, restore, and acquire fragmented landscape corridors that connect areas of quality habitat
281 to sustain fish, wildlife, and plants. The United States Department of Agriculture Natural Resources
282 Conservation Service is an authorized cooperating partner in the appropriation. Expenditures are limited
283 to the project corridor areas as defined in the work program. Land acquired with this appropriation must

284 be sufficiently improved to meet at least minimum habitat and facility management standards as
285 determined by the commissioner of natural resources. This appropriation may not be used for the
286 purchase of habitable residential structures, unless expressly approved in the work program. All
287 conservation easements must be perpetual and have a natural resource management plan. Any land
288 acquired in fee title by the commissioner of natural resources with money from this appropriation must
289 be designated as an outdoor recreation unit under Minnesota Statutes, section 86A.07. The
290 commissioner may similarly designate any lands acquired in less than fee title. A list of proposed
291 restorations and fee title and easement acquisitions must be provided as part of the required work
292 program. An entity who acquires a conservation easement with appropriations from the trust fund
293 must have a long-term stewardship plan for the easement and a fund established for monitoring and
294 enforcing the agreement. Money appropriated from the trust fund for easement acquisition may be
295 used to establish a monitoring, management, and enforcement fund as approved in the work program.
296 A financial annual report is required for any monitoring, management, and enforcement fund
297 established, including expenditures from the fund. This appropriation is available until June 30, 2014, by
298 which time the project must be completed and final products delivered.

299

300 **(k) Natural and Scenic Area Acquisition Grants**

301 \$500,000 the first year and \$500,000 the second year are from the trust fund to the commissioner of
302 natural resources to provide matching grants to local governments for acquisition of natural and scenic
303 areas, as provided in Minnesota Statutes, section 85.019, subdivision 4a. This appropriation is available
304 until June 30, 2014, by which time the project must be completed and final products delivered.

305

306 **(l) Acceleration of Minnesota Conservation Assistance**

307 \$250,000 the first year and \$250,000 the second year are from the trust fund to the Board of Water and
308 Soil Resources to provide grants to soil and water conservation districts to provide technical assistance
309 to secure enrollment and retention of private lands in federal and state programs for conservation.

310

311 **(m) Conservation Easement Stewardship and Enforcement Program – Phase II**

312 \$250,000 the first year and \$250,000 the second year are from the trust fund to the commissioner of
313 natural resources to accelerate the implementation of the Phase I Conservation Easement Stewardship
314 Plan being developed with an appropriation from Minnesota laws 2009, chapter 367, section 2,
315 subdivision 5, paragraph h.

316

317 **(n) Gulf Oil Spill Impacts on Minnesota's Migratory Bird Species**

318 \$125,000 the first year and \$125,000 the second year are from the trust fund to the commissioner of
319 natural resources in cooperation with and for agreements with the United States Geological Survey, the
320 University of Minnesota, and North Dakota State University to assess the impacts of the Gulf oil spill on
321 migratory populations of common loons and American white pelicans in Minnesota and to share the
322 information with the public and other related efforts. Expenses for management of contracted services
323 incurred for this appropriation will be paid from Subdivision 9 (b). This appropriation is available until
324 June 30, 2014, by which time the project must be completed and final products delivered.

325

326 **(o) Recovery of At-Risk Native Prairie Species**

327 \$73,000 the first year and \$74,000 the second year are from the trust fund to the Board of Water and
328 Soil Resources for an agreement with the Martin County soil and water conservation district to collect,
329 propagate, and plant declining, at-risk native species on protected habitat and to enhance private
330 market sources for local ecotype native seed. This appropriation is available until June 30, 2014, by
331 which time the project must be completed and final products delivered.

332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378

(p) Controlling Encroachment of Woody Vegetation in Grasslands

\$100,000 the first year and \$100,000 the second year are from the trust fund to the commissioner of natural resources to evaluate treatments and identify the most effective methods for controlling woody vegetation in prairies and grasslands. This appropriation is available until June 30, 2014, by which time the project must be completed and final products delivered.

(q) Understanding Threats, Genetic Diversity, and Conservation Options for Wild Rice

\$97,000 the first year and \$98,000 the second year are from the trust fund to the Board of Regents of the University of Minnesota to research the genetic diversity of wild rice population throughout Minnesota for use in related conservation and restoration efforts. This appropriation is contingent upon demonstration of review and cooperation by the Native American tribal nations in Minnesota. Equipment purchased with this appropriation must be available for future publicly funded projects at no charge except for typical operating expenses. This appropriation is available until June 30, 2014, by which time the project must be completed and final products delivered.

(r) Southeast Minnesota Stream Restoration

\$125,000 the first year and \$125,000 the second year are from the trust fund to the commissioner of natural resources for an agreement with Trout Unlimited to restore at least 4 miles of riparian corridor for trout and nongame species in Southeast Minnesota and increase local capacities to implement stream restoration through training and technical assistance. This appropriation is available until June 30, 2014, by which time the project must be completed and final products delivered.

(s) Restoration Strategies for Ditched Peatland Scientific and Natural Areas

\$100,000 the first year and \$100,000 the second year are from the trust fund to the commissioner of natural resources to evaluate the hydrology and habitat of the Winter Road Lake peatland watershed protection area to determine the effects of ditch abandonment and examine the potential for restoration of patterned peatlands. This appropriation is available until June 30, 2014, by which time the project must be completed and final products delivered.

(t) Northeast Minnesota White Cedar Plant Community Restoration

\$125,000 the first year and \$125,000 the second year are from the trust fund to the Board of Water and Soil Resources to assess the decline of northern white cedar plant communities in northeast Minnesota, prioritize cedar sites for restoration, and provide cedar restoration training to local units of government.

(u) Restoring North Shore Forests

\$31,000 the first year and \$32,000 the second year are from the trust fund to the commissioner of natural resources for an agreement with Sugarloaf: The North Shore Stewardship Association to provide forest stewardship plans, training, and tree planting assistance for Lake Superior coastal landowners with property sizes less than 20 acres who are not eligible for other state stewardship programs. This appropriation is available until June 30, 2014, by which time the project must be completed and final products delivered.

(v) Assessment of Tree Retention Forestry Harvest Guidelines

\$50,000 the first year and \$50,000 the second year are from the trust fund to the Board of Regents of the University of Minnesota for the Natural Resources Research Institute to evaluate the effect of Minnesota's Forest Management Guidelines for tree retention on wildlife populations. This

379 appropriation is available until June 30, 2014, by which time the project must be completed and final
380 products delivered.

381

382 **(w) Land and Water Conservation Account (LAWCON) Federal Reimbursement**

383 \$750,000 is from the state land and water conservation account (LAWCON) in the natural resources
384 fund to the commissioner of natural resources for priorities established by the commissioner for eligible
385 state projects and administrative and planning activities consistent with Minnesota Statutes, section
386 116P.14, and the federal Land and Water Conservation Fund Act. This appropriation is available until
387 June 30, 2014, by which time the project must be completed and final products delivered.

388

389 **Subd. 5. Water Resources**

390

391 **Environment and Natural Resources Trust Fund** **1,675,000** **1,677,000**

392

393 **(a) Groundwater Sustainability Assessment in the I-94 Growth Corridor**

394 \$225,000 the first year and \$225,000 the second year are from the trust fund to the commissioner of
395 administration for the Environmental Quality Board to assess groundwater sustainability in the
396 Interstate-94 growth corridor between the Twin Cities and Saint Cloud and engage local communities in
397 understanding groundwater and how it is impacted by land and water usage. This appropriation is
398 available until June 30, 2014, by which time the project must be completed and final products delivered.

399

400 **(b) Lake Superior Water Quality Monitoring**

401 \$250,000 the first year and \$250,000 the second year are from the trust fund to the Board of Regents of
402 the University of Minnesota for the Large Lakes Observatory for research on Lake Superior waters to
403 assess ecosystem health and water quality in response to environmental stresses. This appropriation is
404 available until June 30, 2014, by which time the project must be completed and final products delivered.

405

406 **(c) Assessment of Changes in Minnesota's Wilderness Lakes**

407 \$150,000 the first year and \$150,000 the second year are from the trust fund to the Science Museum of
408 Minnesota St. Croix Watershed Research Station to assess recent ecological changes to remote lakes
409 and determine which types of remote lakes are most at risk from observed and predicted changes in
410 climate conditions. This appropriation is available until June 30, 2014, by which time the project must
411 be completed and final products delivered.

412

413 **(d) Itasca County Sensitive Lakeshore Identification**

414 \$80,000 the first year and \$80,000 the second year are from the trust fund to the commissioner of
415 natural resources for an agreement with Itasca County Soil and Water Conservation District to identify
416 sensitive lakeshore and restorable shoreline in Itasca County. Up to \$130,000 may be retained by the
417 Department of Natural Resources at the request of Itasca County to provide technical assistance.

418

419 **(e) Trout Stream Springshed Mapping in Southeast Minnesota – Phase III**

420 \$250,000 the first year and \$250,000 the second year are from the trust fund to continue to identify and
421 delineate water supply areas and springsheds for springs serving as coldwater sources for trout streams
422 and to assess the impacts from development and water appropriations. Of this appropriation, \$140,000
423 each year is to the Board of Regents of the University of Minnesota and \$110,000 each year is to the
424 commissioner of natural resources.

425

426 **(f) Mississippi River Water Quality Assessment**
427 \$278,000 the first year and \$279,000 the second year are from the trust fund to the Board of Regents of
428 the University of Minnesota to assess water quality in the Mississippi River using DNA sequencing
429 approaches and chemical analyses. The assessments will be incorporated into a web-based educational
430 tool for use in classrooms and public exhibits. This appropriation is available until June 30, 2014, by
431 which time the project must be completed and final products delivered.
432

433 **(g) Zumbro River Watershed Restoration Prioritization**
434 \$75,000 the first year and \$75,000 the second year are from the trust fund to the commissioner of
435 natural resources for an agreement with the Zumbro Watershed Partnership, Inc. to identify sources of
436 erosion and runoff in the Zumbro Watershed in order to prioritize restoration and protection projects.
437

438 **(h) Assessment of Minnesota River Antibiotic Concentrations**
439 \$95,000 the first year and \$95,000 the second year are from the trust fund to the commissioner of
440 natural resources for an agreement with Saint Thomas University in cooperation with Gustavus
441 Adolphus College and the University of Minnesota to measure antibiotic concentrations and antibiotic
442 resistance levels at sites on the Minnesota River.
443

444 **(i) Determination of Phosphorus Reduction from Perpetual Easements**
445 \$62,000 the first year and \$63,000 the second year are from the trust fund to the Board of Water and
446 Soil Resources in cooperation with the United States Geologic Survey to evaluate the effectiveness of
447 perpetual easements in reducing phosphorus transport into streams.
448

449 **(j) Wastewater Phosphorous Filtration Using Recycled By-Products**
450 \$85,000 the first year and \$85,000 the second year are from the trust fund to the Board of Regents of
451 the University of Minnesota for the Natural Resources Research Institute to evaluate the use of recycled
452 iron byproducts and waste products for wastewater filtration to remove phosphorous from surface
453 water.
454

455 **(k) Community-Based Reduction of Water Contaminants**
456 \$125,000 the first year and \$125,000 the second year are from the trust fund to the commissioner of
457 natural resources for an agreement with the Institute for Agriculture and Trade Policy to assist in helping
458 local governments in the identification and implementation of green practices within communities to
459 reduce estrogenic chemical water pollution.
460

461 **Subd. 6. Aquatic and Terrestrial Invasive Species**

462
463 **Environment and Natural Resources Trust Fund** **605,000** **605,000**
464

465 **(a) Improved Detection of Harmful Microbes in Ballast Water**
466 \$125,000 the first year and \$125,000 the second year are from the trust fund to the Board of Regents of
467 the University of Minnesota for the University of Minnesota Duluth to identify and analyze potentially
468 harmful bacteria transported into Lake Superior through ship ballast water discharge. This
469 appropriation is available until June 30, 2014, by which time the project must be completed and final
470 products delivered.
471

472 **(b) Emerald Ash Borer Biocontrol Research and Implementation**

473 \$250,000 the first year and \$250,000 the second year are from the trust fund to the commissioner of
474 agriculture to assess a biocontrol method for suppressing Emerald Ash Borer by testing bioagent winter
475 survival potential, developing release and monitoring methods, and piloting implementation of Emerald
476 Ash Borer biocontrol. This appropriation is available until June 30, 2014, by which time the project must
477 be completed and final products delivered.

478

479 **(c) Emerald Ash Borer Landscape Management Impacts**

480 \$170,000 the first year and \$170,000 the second year are from the trust fund to the Board of Regents of
481 the University of Minnesota to research impacts of insecticides used for managing Emerald Ash Borer on
482 other insects and birds. This appropriation is available until June 30, 2014, by which time the project
483 must be completed and final products delivered.

484

485 **(d) Evaluation of Switchgrass as Biofuel Crop**

486 \$60,000 the first year and \$60,000 the second year are from the trust fund to the Minnesota State
487 Colleges and University System for Central Lakes College in cooperation with the University of
488 Minnesota to determine invasion risk of selectively bred native grasses for biofuel production and
489 develop strategies to minimize invasion potential and impacts on biodiversity. This appropriation is
490 available until June 30, 2014, by which time the project must be completed and final products delivered.

491

492 **Subd. 7. Renewable Energy and Air Quality**

493

494 **Environment and Natural Resources Trust Fund**

925,000

925,000

495

496 **(a) Peatland Carbon Sequestration**

497 \$200,000 the first year and \$200,000 the second year are from the trust fund to the commissioner of
498 natural resources in cooperation with the University of Minnesota to measure carbon uptake and
499 methane release in healthy and altered peatlands and develop strategies for landscape level peatland
500 restoration and carbon sequestration implementation. This appropriation is available until June 30,
501 2014, by which time the project must be completed and final products delivered.

502

503 **(b) Addressing Ozone Pollution in Minnesota**

504 \$125,000 the first year and \$125,000 the second year are from the trust fund to the Board of Regents of
505 the University of Minnesota to research ozone pollution and exposure in Minnesota and examine the
506 effectiveness and environmental equality of potential control options.

507

508 **(c) Optimizing Biogas Role in Meeting Minnesota's Energy Goals**

509 \$150,000 the first year and \$150,000 the second year are from the trust fund to the commissioner of
510 natural resources for an agreement with the Great Plains Institute to evaluate market, technical and
511 policy barriers to broader adoption of biogas in meeting Minnesota's energy needs and develop
512 recommendations for overcoming those barriers.

513

514 **(d) Supporting Community-Driven Sustainable Bioenergy Projects**

515 \$75,000 the first year and \$75,000 the second year are from the trust fund to the commissioner of
516 natural resources for an agreement with Dovetail Partners, Inc. in cooperation with the University of
517 Minnesota to assess feasibility, impacts, and management needs of community-scale forest bioenergy
518 systems through pilot studies in Ely, Minnesota and Cook County, Minnesota and to disseminate findings
519 to inform related efforts in other communities.

520

521 **(e) Low Environmental Impact Sustainable Neighborhoods**
522 \$125,000 the first year and \$125,000 the second year are from the trust fund to the Board of Regents of
523 the University of Minnesota to assess the feasibility and conduct preliminary design for a replicable,
524 cost-effective neighborhood-scale district system for energy, water, recycling, and waste that optimizes
525 conservation and efficiency.

526
527 **(f) Conservation Corps Training and Low-Income Solar Home Heating Installation**
528 \$250,000 the first year and \$250,000 the second year are from the trust fund to the commissioner of
529 natural resources for an agreement with Conservation Corps – Minnesota in cooperation with the Rural
530 Renewable Energy Alliance to train corps members for renewable energy jobs and provide installation of
531 solar heating systems for low-income families. An energy budget and cost savings calculation must be
532 provided and to the extent possible the solar panel fabrication must be done in Minnesota.

533
534 **Subd. 8. Environmental Education**

535
536 **Environment and Natural Resources Trust Fund** **1,356,000** **1,358,000**

537
538 **(a) Minnesota Schools Conserving Energy and Water**
539 \$412,000 the first year and \$413,000 the second year are from the trust fund to the commissioner of the
540 Pollution Control Agency for technical assistance and grants to high school student-led teams to
541 integrate long term energy and water conservation savings into daily school operations, create model
542 school-utility partnerships, and develop student leadership. This appropriation is available until June 30,
543 2014, by which time the project must be completed and final products delivered.

544
545 **(b) Youth-Led Renewable Energy and Energy Conservation in West and Southwest Minnesota**
546
547 \$123,000 the first year and \$123,000 the second year are from the trust fund to the commissioner of
548 natural resources for an agreement with Prairie Woods Environmental Learning Center to initiate youth-
549 led renewable energy and conservation projects in over thirty communities in west central and
550 southwest Minnesota.

551
552 **(c) Minnesota Junior Master Naturalist Program**
553 \$182,000 the first year and \$183,000 the second year are from the trust fund to the Board of Regents of
554 the University of Minnesota to expand the junior naturalist after-school programs. This appropriation is
555 available until June 30, 2014, by which time the project must be completed and final products delivered.

556
557 **(d) Experiential Environmental Education for Urban Youth**
558 \$354,000 the first year and \$354,000 the second year are from the trust fund to the commissioner of
559 natural resources for an agreement with Hennepin County in partnership with The City, Inc. to initiate
560 new environmental education programs targeting inner city youth that provide hands-on, experiential
561 outdoor learning opportunities. This appropriation is available until June 30, 2014, by which time the
562 project must be completed and final products delivered.

563
564 **(e) Eagles Linking Students to Science and Nature**
565 \$85,000 the first year and \$85,000 the second year are from the trust fund to the Board of Regents of
566 the University for the Minnesota Raptor Center to engage students in exploring science and nature
567 through curriculum built on real-life case studies of raptors treated at the Raptor Center and eagles
568 tracked for post-release monitoring.

569
570 **(f) Cross-Cultural Cooperation in Fish and Wildlife Conservation**
571 \$200,000 the first year and \$200,000 the second year are from the trust fund to the commissioner of
572 natural resources to collaborate with the Southeast Asian community on a tagging study and creel
573 survey of white bass and to develop and implement cross-cultural training and workshops on hunting
574 and fishing conservation regulations, ethics, and management. This appropriation is available until June
575 30, 2014, by which time the project must be completed and final products delivered.

576
577 **Subd. 9. Administration and Contract Management**

578
579 **Environment and Natural Resources Trust Fund** **701,000** **701,000**

580
581 **(a) Legislative-Citizen Commission on Minnesota Resources (LCCMR)**

582
583 \$591,000 the first year and \$591,000 the second year are from the trust fund for administration as
584 provided in Minnesota Statutes, section 116P.09, subdivision 5.

585
586 **(b) Contract Management**

587
588 \$110,000 the first year and \$110,000 the second is appropriated to the Legislative-Citizen Commission
589 on Minnesota Resources to contract with the commissioner of natural resources for expenses incurred
590 for contract fiscal services for the agreements specified in this section. The contract management
591 services must be done on a reimbursement basis. This appropriation is available until June 30, 2014, by
592 which time the project must be completed and final products delivered.

593
594 **Subd. 10. Availability of Appropriations**

595
596 Money appropriated in this section may not be spent on activities unless they are directly related to the
597 specific appropriation and are specified in the approved work program. Money appropriated in this
598 section must not be spent on indirect costs or other institutional overhead charges. Unless otherwise
599 provided, the amounts in this section are available until June 30, 2013, when projects must be
600 completed and final products delivered. For acquisition of real property, the amounts in this section are
601 available until June 30, 2014, if a binding contract is entered into by June 30, 2013, and closed not later
602 than June 30, 2014. If a project receives a federal grant, the time period of the appropriation is extended
603 to equal the federal grant period.

604
605 **Subd. 11. Data Availability Requirements**

606
607 Data collected by the projects funded under this section must conform to guidelines and standards
608 adopted by the Office of Enterprise Technology. Spatial data also must conform to additional guidelines
609 and standards designed to support data coordination and distribution that have been published by the
610 Minnesota Geospatial Information Office. Descriptions of spatial data must be prepared as specified in
611 the state's geographic metadata guideline and must be submitted to the Minnesota Geospatial
612 Information Office. All data must be accessible and free to the public unless made private under the
613 Data Practices Act, Minnesota Statutes, chapter 13.

614

615 To the extent practicable, summary data and results of projects funded under this section should be
616 readily accessible on the Internet and identified as an environment and natural resources trust fund
617 project.
618

619 **Subd. 12. Project Requirements**
620

621 (a) As a condition of accepting an appropriation under this section, any agency or entity receiving an
622 appropriation must comply with paragraphs (b) to (l) and Minnesota Statutes, chapter 116P, for any
623 project funded in whole or in part with funds from the appropriation.
624

625 (b) To the extent possible, a person conducting restoration with money appropriated under this section
626 must plant vegetation only of ecotypes native to Minnesota and preferably of the local ecotype
627 using a high diversity of species originating as close to the restoration site as possible and, when
628 restoring prairies, protect existing prairies from genetic contamination. Use of seeds and plant
629 materials beyond these requirements must be expressly approved in the work program.
630

631 (c) For all restorations conducted with money appropriated under this section, a recipient must prepare
632 an ecological restoration and management plan that, to the degree practicable, is consistent with
633 the highest quality conservation and ecological goals for the restoration site. Consideration should
634 be given to soil, geology, topography, and other relevant factors that would provide the best chance
635 for long-term success of the restoration projects. The plan must include the proposed timetable for
636 implementing the restoration, including site preparation, establishment of diverse plant species,
637 maintenance, and additional enhancement to establish the restoration; identify long-term
638 maintenance and management needs of the restoration and how the maintenance, management,
639 and enhancement will be financed; and take advantage of the best available science and include
640 innovative techniques to achieve the best restoration.
641

642 (d) Any entity receiving an appropriation in this section for restoration activities must provide an initial
643 restoration evaluation at the completion of the appropriation and an evaluation three years beyond
644 the completion of the expenditure. Restorations must be evaluated relative to the stated goals and
645 standards in the restoration plan, current science, and, when applicable, to the Board of Water and
646 Soil Resources' native vegetation establishment and enhancement guidelines. The evaluation shall
647 determine if the restorations are meeting planned goals, any problems with the implementation of
648 the restorations, and if necessary, recommendations on improving restorations. The evaluation
649 shall be focused on improving future restorations.
650

651 (e) Except as otherwise provided in this section, all restoration and enhancement
652 projects funded with money appropriated in this section must be on land permanently
653 protected by a conservation easement or public ownership or in public waters as
654 defined in Minnesota Statutes, section 103G.005, subdivision 15.
655

656 (f) A recipient of money from an appropriation under this section must give consideration to
657 contracting with the Conservation Corps - Minnesota or its successor for contract restoration and
658 enhancement services.
659

660 (g) All conservation easements acquired with money appropriated under this section must:
661 (1) be perpetual;

- 662 (2) specify the parties to an easement in the easement;
663 (3) specify all of the provisions of an agreement that are perpetual;
664 (4) be sent to the office of the Legislative-Citizen Commission on Minnesota Resources in an
665 electronic format;
666 (5) include a long-term monitoring and enforcement plan and funding for monitoring and enforcing
667 the easement agreement; and
668 (6) include requirements in the easement document to address specific water quality protection
669 activities such as keeping water on the landscape, reducing nutrient and contaminate loading,
670 protecting groundwater, and not permitting artificial hydrological modifications.
671
672 (h) For any acquisition of land or interest in land, a recipient of money appropriated under this section
673 must give priority to high quality natural resources or conservation lands that provide natural
674 buffers to water resources.
675
676 (i) For new lands acquired with money appropriated under this section, a recipient must prepare a
677 restoration and management plan in compliance with paragraph (c) including sufficient funding for
678 implementation or the work program must address why a portion of the money is not necessary to
679 achieve a high quality restoration.
680
681 (j) To the extent an appropriation is used to acquire an interest in real property, a recipient of an
682 appropriation under this section must provide to the Legislative-Citizen Commission of Minnesota
683 Resources and the commissioner of management and budget an analysis of
684 increased operations and maintenance costs likely to be incurred by public entities as
685 a result of the acquisition and of how these costs are to be paid.
686
687 (k) To ensure public accountability for the use of public funds, a recipient of money appropriated under
688 this section must provide to the Legislative-Citizen Commission on Minnesota Resources
689 documentation of the selection process used to identify parcels acquired and provide
690 documentation of all related transaction costs, including but not limited to appraisals, legal fees,
691 recording fees, commissions, other similar costs, and donations. This information must be provided
692 for all parties involved in the transaction. The recipient must also report to the Legislative-Citizen
693 Commission on Minnesota Resources any difference between the acquisition amount paid to the
694 seller and the state-certified or state-reviewed appraisal, if a state-certified or state-reviewed
695 appraisal was conducted. Acquisition data such as appraisals may remain private during negotiations
696 but must ultimately be made public according to Minnesota Statutes, chapter 13. The Legislative-
697 Citizen Commission on Minnesota Resources shall review the requirement in this paragraph and
698 provide a recommendation whether to continue or modify the requirement in future years. The
699 commission may waive the application of this paragraph for specific projects.
700
701 (l) A recipient of an appropriation from the trust fund under this section must acknowledge financial
702 support from the Minnesota Environment and Natural Resources Trust Fund within project
703 publications, signage, and other public communications and outreach related to work completed
704 using the dollars. Acknowledgement can occur, as appropriate, through use of the trust fund logo or
705 inclusion of language attributing support from the trust fund.
706

707 **Subd. 13. Payment Conditions and Capital Equipment Expenditures**
708

709 All agreements, grants, or contracts referred to in this section must be administered on a
710 reimbursement basis unless otherwise provided in this section. Notwithstanding Minnesota Statutes,
711 section 16A.41, expenditures made on or after July 1, 2011, or the date the work program is approved,
712 whichever is later, are eligible for reimbursement unless otherwise provided in this section. Periodic
713 payment must be made upon receiving documentation that the deliverable items articulated in the
714 approved work program have been achieved, including partial achievements as evidenced by approved
715 progress reports. Reasonable amounts may be advanced to projects to accommodate cash flow needs
716 or match federal money. The advances must be approved as part of the work program. No expenditures
717 for capital equipment are allowed unless expressly authorized in the project work program.

718

719 **Subd. 14. Purchase of Recycled and Recyclable Materials**

720

721 A political subdivision, public or private corporation, or other entity that receives an appropriation under
722 this section must use the appropriation in compliance with Minnesota Statutes, sections 16B.121,
723 regarding purchase of recycled, repairable, and durable materials; and 16B.122, regarding purchase and
724 use of paper stock and printing.

725

726 **Subd. 15. Energy Conservation and Sustainable Building Guidelines**

727

728 A recipient to whom an appropriation is made under this section for a capital improvement project must
729 ensure that the project complies with the applicable energy conservation and sustainable building
730 guidelines and standards contained in law, including Minnesota Statutes, sections 16B.325, 216C.19, and
731 216C.20, and rules adopted under those sections. The recipient may use the energy planning, advocacy,
732 and State Energy Office units of the Department of Commerce to obtain information and technical
733 assistance on energy conservation and alternative energy development relating to the planning and
734 construction of the capital improvement project.

735

736 **Subd. 16. Accessibility**

737

738 Structural and nonstructural facilities must meet the design standards in the Americans with Disabilities
739 Act (ADA) accessibility guidelines.

740

741 **Subd. 17. Carryforward**

742

743 (a) The availability of the appropriation for the following projects is extended to June 30, 2012:

744

- 745 (1) Laws 2009, chapter 143, section 2, subdivision 4, paragraph (a), State Park Acquisition;
- 746 (2) Laws 2009, chapter 143, section 2, subdivision 4, paragraph (b), State Trail Acquisition; and
- 747 (3) Laws 2009, chapter 143, section 2, subdivision 8, paragraph (a), Contract Management.

748

749 (b) The availability of the appropriation for the following project is extended to June 30, 2013: Laws
750 2010, chapter 362, section 2, subdivision 8, paragraph (f), Expanding Outdoor Classrooms at
751 Minnesota Schools.

752

753