

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		
12 Section 2. MINNESOTA RESOURCES		
13		
14 Subd. 1. TOTAL APPROPRIATIONS	\$26,068,000	\$25,318,000
15		

16

17 **Appropriations by Fund**

	2012	2013
18		
19 Environment and Natural Resources Trust Fund	25,318,000	25,318,000
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. Land acquired with this appropriation must be sufficiently improved to meet at least minimum
178 management standards as determined by the commissioner of natural resources. A list of proposed
179 acquisitions must be provided as part of the required work program. This appropriation is available until
180 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, adjacent to the Upper Mississippi River. If this acquisition is not completed by July 15,
215 2012 then the appropriation is available to the Department of Natural Resources for other Scientific and
216 Natural Area acquisitions on the priority list. Up to \$10,000 may be retained by the department of
217 natural resources at the request of Trust for Public Land for transaction costs, associated professional
218 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, \$_____ is to the commissioner of natural resources for agency programs
243 and \$_____ is for agreements as follows: \$_____ with Friends of the Mississippi River;
244 \$_____ with Dakota County; \$_____ with the Great River Greening; \$_____ with
245 Minnesota Land Trust; ; \$_____ with Minnesota Valley National Wildlife Refuge Trust, Inc.; and
246 \$_____ with The Trust for Public Land for planning, restoring, and protecting important natural areas
247 in the metropolitan area, as defined under Minnesota Statutes, section 473.121, subdivision 2, and
248 portions of the surrounding counties, through contracted services, technical assistance, conservation
249 easements, and fee title acquisition. Land acquired with this appropriation must be sufficiently
250 improved to meet at least minimum management standards as determined by the commissioner of
251 natural resources. Expenditures are limited to the identified project corridor areas as defined in the
252 work program. This appropriation may not be used for the purchase of residential structures, unless
253 expressly approved in the work program. All conservation easements must be perpetual and have a
254 natural resource management plan. Any land acquired in fee title by the commissioner of natural
255 resources with money from this appropriation must be designated as an outdoor recreation unit under
256 Minnesota Statutes, section 86A.07. The commissioner may similarly designate any lands acquired in
257 less than fee title. A list of proposed restorations and fee title and easement acquisitions must be
258 provided as part of the required work program. An entity who acquires a conservation easement with
259 appropriations from the trust fund must have a long-term stewardship plan for the easement and a fund
260 established for monitoring and enforcing the agreement. Money appropriated from the trust fund for
261 easement acquisition may be used to establish a monitoring, management, and enforcement fund as
262 approved in the work program. A financial annual report is required for any monitoring, management,
263 and enforcement fund established, including expenditures from the fund. This appropriation is available
264 until June 30, 2014, by which time the project must be completed and final products delivered.

265

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

267 \$1,737,000 the first year and \$1,738,000 the second year are from the trust fund to the commissioner of
268 natural resources to for the acceleration of agency programs and cooperative agreements. Of this
269 appropriation, \$_____ is to the commissioner of natural resources for agency programs and
270 \$_____ is for agreements as follows: \$_____ with Ducks Unlimited, Inc.; \$_____ with
271 Friends of Detroit Lakes Wetland Management District; \$_____ with Leech Lake Band of Ojibwe;
272 \$_____ with Minnesota Land Trust; \$_____ with Minnesota Valley National Wildlife Refuge
273 Trust, Inc.; \$_____ with Pheasants Forever, Inc.; and \$_____ with Trust for Public Land to plan,
274 restore, and acquire fragmented landscape corridors that connect areas of quality habitat to sustain fish,
275 wildlife, and plants. The United States Department of Agriculture Natural Resources Conservation
276 Service is an authorized cooperating partner in the appropriation. Expenditures are limited to the
277 project corridor areas as defined in the work program. Land acquired with this appropriation must be
278 sufficiently improved to meet at least minimum habitat and facility management standards as
279 determined by the commissioner of natural resources. This appropriation may not be used for the
280 purchase of residential structures, unless expressly approved in the work program. All conservation
281 easements must be perpetual and have a natural resource management plan. Any land acquired in fee
282 title by the commissioner of natural resources with money from this appropriation must be designated
283 as an outdoor recreation unit under Minnesota Statutes, section 86A.07. The commissioner may

284 similarly designate any lands acquired in less than fee title. A list of proposed restorations and fee title
285 and easement acquisitions must be provided as part of the required work program. An entity who
286 acquires a conservation easement with appropriations from the trust fund must have a long-term
287 stewardship plan for the easement and a fund established for monitoring and enforcing the agreement.
288 Money appropriated from the trust fund for easement acquisition may be used to establish a
289 monitoring, management, and enforcement fund as approved in the work program. A financial annual
290 report is required for any monitoring, management, and enforcement fund established, including
291 expenditures from the fund. This appropriation is available until June 30, 2014, by which time the
292 project must be completed and final products delivered.

293

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

295 \$500,000 the first year and \$500,000 the second year are from the trust fund to the commissioner of
296 natural resources to provide matching grants to local governments for acquisition of natural and scenic
297 areas, as provided in Minnesota Statutes, section 85.019, subdivision 4a. This appropriation is available
298 until June 30, 2014, by which time the project must be completed and final products delivered.

299

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

301 \$250,000 the first year and \$250,000 the second year are from the trust fund to the Board of Water and
302 Soil Resources to provide grants to soil and water conservation districts to provide technical assistance
303 to secure enrollment and retention of private lands in federal and state programs for conservation.

304

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

306 \$250,000 the first year and \$250,000 the second year are from the trust fund to the commissioner of
307 natural resources to accelerate the implementation of the Phase I Conservation Easement Stewardship
308 Plan being developed with an appropriation from Minnesota laws 2009, chapter 367, section 2,
309 subdivision 5, paragraph h.

310

311 **(n) Gulf Oil Spill and Minnesota's Migrating Birds**

312 \$250,000 the first year _____ is from the trust fund to _____ to _____.

313

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

315 \$73,000 the first year and \$74,000 the second year are from the trust fund to the Board of Water and
316 Soil Resources for an agreement with the Martin County soil and water conservation district to collect,
317 propagate, and plant declining, at-risk native species on protected habitat and to enhance private
318 market sources for local ecotype native seed. This appropriation is available until June 30, 2014, by
319 which time the project must be completed and final products delivered.

320

321 **(p) Controlling Encroachment of Woody Vegetation in Grasslands**

322 \$100,000 the first year and \$100,000 the second year are from the trust fund to the commissioner of
323 natural resources to evaluate treatments and identify the most effective methods for controlling woody
324 vegetation in prairies and grasslands. This appropriation is available until June 30, 2014, by which time
325 the project must be completed and final products delivered.

326

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

328 \$97,000 the first year and \$98,000 the second year are from the trust fund to the Board of Regents of
329 the University of Minnesota to research the genetic diversity of wild rice population throughout
330 Minnesota for use in related conservation and restoration efforts. This appropriation is contingent upon
331 demonstration of review and cooperation by the Native American tribal nations in Minnesota.

332 Equipment purchased with this appropriation must be available for future publicly funded projects at no
333 charge except for typical operating expenses. This appropriation is available until June 30, 2014, by
334 which time the project must be completed and final products delivered.

335

336 **(r) Southeast Minnesota Stream Restoration**

337 \$125,000 the first year and \$125,000 the second year are from the trust fund to the commissioner of
338 natural resources for an agreement with Trout Unlimited to restore at least 4 miles of riparian corridor
339 for trout and nongame species in Southeast Minnesota and increase local capacities to implement
340 stream restoration through training and technical assistance. This appropriation is available until June
341 30, 2014, by which time the project must be completed and final products delivered.

342

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

344 \$100,000 the first year and \$100,000 the second year are from the trust fund to the commissioner of
345 natural resources to evaluate the hydrology and habitat of the Winter Road Lake peatland watershed
346 protection area to determine the effects of ditch abandonment and examine the potential for
347 restoration of patterned peatlands. This appropriation is available until June 30, 2014, by which time
348 the project must be completed and final products delivered.

349

350 **(t) Northeast Minnesota White Cedar Plant Community Restoration**

351 \$125,000 the first year and \$125,000 the second year are from the trust fund to the Board of Water and
352 Soil Resources to assess the decline of northern white cedar plant communities in northeast Minnesota,
353 prioritize cedar sites for restoration, and provide cedar restoration training to local units of government.

354

355 **(u) Restoring North Shore Forests**

356 \$31,000 the first year and \$32,000 the second year are from the trust fund to the commissioner of
357 natural resources for an agreement with Sugarloaf: The North Shore Stewardship Association to provide
358 forest stewardship plans, training, and tree planting assistance for Lake Superior coastal landowners
359 with property sizes less than 20 acres who are not eligible for other state stewardship programs. This
360 appropriation is available until June 30, 2014, by which time the project must be completed and final
361 products delivered.

362

363 **(v) Assessment of Tree Retention Forestry Harvest Guidelines**

364 \$50,000 the first year and \$50,000 the second year are from the trust fund to the Board of Regents of
365 the University of Minnesota for the Natural Resources Research Institute to evaluate the effect of
366 Minnesota's Forest Management Guidelines for tree retention on wildlife populations. This
367 appropriation is available until June 30, 2014, by which time the project must be completed and final
368 products delivered.

369

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

371 \$750,000 is from the state land and water conservation account (LAWCON) in the natural resources
372 fund to the commissioner of natural resources for priorities established by the commissioner for eligible
373 state projects and administrative and planning activities consistent with Minnesota Statutes, section
374 116P.14, and the federal Land and Water Conservation Fund Act. This appropriation is available until
375 June 30, 2014, by which time the project must be completed and final products delivered.

376

377 **Subd. 5. Water Resources**

378

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

380

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

382 \$225,000 the first year and \$225,000 the second year are from the trust fund to the commissioner of
383 administration for the Environmental Quality Board to assess groundwater sustainability in the I-94
384 growth corridor between the Twin Cities and Saint Cloud and engage local communities in
385 understanding groundwater and how it is impacted by land and water usage. This appropriation is
386 available until June 30, 2014, by which time the project must be completed and final products delivered.

387

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

389 \$250,000 the first year and \$250,000 the second year are from the trust fund to the Board of Regents of
390 the University of Minnesota for the Large Lakes Observatory for research on Lake Superior waters to
391 assess ecosystem health and water quality in response to environmental stresses. This appropriation is
392 available until June 30, 2014, by which time the project must be completed and final products delivered.

393

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

395 \$150,000 the first year and \$150,000 the second year are from the trust fund to the Science Museum of
396 Minnesota St. Croix Watershed Research Station to assess recent ecological changes to remote lakes
397 and determine which types of remote lakes are most at risk from observed and predicted changes in
398 climate conditions. This appropriation is available until June 30, 2014, by which time the project must
399 be completed and final products delivered.

400

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

402 \$80,000 the first year and \$80,000 the second year are from the trust fund to the commissioner of
403 natural resources for an agreement with Itasca County Soil and Water Conservation District to identify
404 sensitive lakeshore and restorable shoreline in Itasca County. Up to \$130,000 may be retained by the
405 Department of Natural Resources at the request of Itasca County to provide technical assistance.

406

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

408 \$250,000 the first year and \$250,000 the second year are from the trust fund to continue to identify and
409 delineate supply areas and springsheds for springs serving as coldwater sources for trout streams and to
410 assess the impacts from development and water appropriations. Of this appropriation, \$140,000 each
411 year is to the Board of Regents of the University of Minnesota and \$110,000 each year is to the
412 commissioner of natural resources.

413

414 **(f) Mississippi River Water Quality Assessment**

415 \$278,000 the first year and \$279,000 the second year are from the trust fund to the Board of Regents of
416 the University of Minnesota to assess water quality in the Mississippi River using DNA sequencing
417 approaches and chemical analyses. The assessments will be incorporated into a web-based educational
418 tool for use in classrooms and public exhibits. This appropriation is available until June 30, 2014, by
419 which time the project must be completed and final products delivered.

420

421 **(g) Zumbro River Watershed Restoration Prioritization**

422 \$75,000 the first year and \$75,000 the second year are from the trust fund to the commissioner of
423 natural resources for an agreement with the Zumbro Watershed Partnership, Inc. to identify sources of
424 erosion and runoff in the Zumbro Watershed in order to prioritize restoration and protection projects.

425

426 **(h) Assessment of Minnesota River Antibiotic Concentrations**

427 \$95,000 the first year and \$95,000 the second year are from the trust fund to the commissioner of
428 natural resources for an agreement with Saint Thomas University in cooperation with Gustavus
429 Adolphus College and the University of Minnesota to measure antibiotic concentrations and antibiotic
430 resistance levels at sites on the Minnesota River.

431

432 **(i) Determination of Phosphorus Reduction from Perpetual Easements**

433 \$62,000 the first year and \$63,000 the second year are from the trust fund to the Board of Water and
434 Soil Resources in cooperation with the United States Geologic Survey to evaluate the effectiveness of
435 perpetual easements in reducing phosphorus transport into streams.

436

437 **(j) Wastewater Phosphorous Filtration Using Recycled By-Products**

438 \$85,000 the first year and \$85,000 the second year are from the trust fund to the Board of Regents of
439 the University of Minnesota for the Natural Resources Research Institute to evaluate the use of recycled
440 iron byproducts and waste products for wastewater filtration to remove phosphorous from surface
441 water.

442

443 **(k) Community-Based Reduction of Water Contaminants**

444 \$125,000 the first year and \$125,000 the second year are from the trust fund to the commissioner of
445 natural resources for an agreement with the Institute for Agriculture and Trade Policy to assist in helping
446 local governments in the identification and implementation of green practices within communities to
447 reduce estrogenic chemical water pollution.

448

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

450

451 **Environment and Natural Resources Trust Fund** **605,000** **605,000**

452

453 **(a) Improved Detection of Harmful Microbes in Ballast Water**

454 \$125,000 the first year and \$125,000 the second year are from the trust fund to the Board of Regents of
455 the University of Minnesota for the University of Minnesota Duluth to identify and analyze potentially
456 harmful bacteria transported into Lake Superior through ship ballast water discharge.. This
457 appropriation is available until June 30, 2014, by which time the project must be completed and final
458 products delivered.

459

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

461 \$250,000 the first year and \$250,000 the second year are from the trust fund to the commissioner of
462 agriculture to assess a biocontrol method for suppressing Emerald Ash Borer by testing bioagent winter
463 survival potential, developing release and monitoring methods, and piloting implementation of Emerald
464 Ash Borer biocontrol. This appropriation is available until June 30, 2014, by which time the project must
465 be completed and final products delivered.

466

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

468 \$170,000 the first year and \$170,000 the second year are from the trust fund to the Board of Regents of
469 the University of Minnesota to research impacts of insecticides used for managing Emerald Ash Borer on
470 other insects and birds. This appropriation is available until June 30, 2014, by which time the project
471 must be completed and final products delivered.

472

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

474 \$60,000 the first year and \$60,000 the second year are from the trust fund to the Minnesota State
475 Colleges and University System for Central Lakes College in cooperation with the University of
476 Minnesota to determine invasion risk of selectively bred native grasses for biofuel production and
477 develop strategies to minimize invasion potential and impacts on biodiversity. This appropriation is
478 available until June 30, 2014, by which time the project must be completed and final products delivered.
479

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

481
482 **Environment and Natural Resources Trust Fund** **925,000** **925,000**
483

484 **(a) Peatland Carbon Sequestration**

485 \$200,000 the first year and \$200,000 the second year are from the trust fund to the commissioner of
486 natural resources in cooperation with the University of Minnesota to measure carbon uptake and
487 methane release in healthy and altered peatlands and develop strategies for landscape level peatland
488 restoration and carbon sequestration implementation. This appropriation is available until June 30,
489 2014, by which time the project must be completed and final products delivered.
490

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

492 \$125,000 the first year and \$125,000 the second year are from the trust fund to the Board of Regents of
493 the University of Minnesota to research ozone pollution and exposure in Minnesota and examine the
494 effectiveness and environmental equality of potential control options.
495

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

497 \$150,000 the first year and \$150,000 the second year are from the trust fund to the commissioner of
498 natural resources for an agreement with the Great Plains Institute to evaluate market, technical and
499 policy barriers to broader adoption of biogas in meeting Minnesota's energy needs and develop
500 recommendations for overcoming those barriers.
501

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

503 \$75,000 the first year and \$75,000 the second year are from the trust fund to the commissioner of
504 natural resources for an agreement with Dovetail Partners, Inc. in cooperation with the University of
505 Minnesota to assess feasibility, impacts, and management needs of community-scale forest bioenergy
506 systems through pilot studies in Ely, Minnesota and Cook County, Minnesota and to disseminate findings
507 to inform related efforts in other communities.
508

509 **(e) Low Environmental Impact Sustainable Neighborhoods**

510 \$125,000 the first year and \$125,000 the second year are from the trust fund to the Board of Regents of
511 the University of Minnesota to assess the feasibility and conduct preliminary design for a replicable,
512 cost-effective neighborhood-scale district system for energy, water, recycling, and waste that optimizes
513 conservation and efficiency.
514

515 **(f) Conservation Corps Training and Low-Income Solar Home Heating Installation**

516 \$250,000 the first year and \$250,000 the second year are from the trust fund to the commissioner of
517 natural resources for an agreement with Conservation Corps – Minnesota in cooperation with the Rural
518 Renewable Energy Alliance to train corps members for renewable energy jobs and provide installation of
519 solar heating systems for low-income families. An energy budget and cost savings calculation must be
520 provided and to the extent possible the solar panel fabrication must be done in Minnesota.
521

522 **Subd. 8. Environmental Education**

523

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

525

526 **(a) Minnesota Schools Conserving Energy and Water**

527 \$412,000 the first year and \$413,000 the second year are from the trust fund to the commissioner of the
528 Pollution Control Agency for technical assistance and grants to high school student-led teams to
529 integrate long term energy and water conservation savings into daily school operations, create model
530 school-utility partnerships, and develop student leadership. This appropriation is available until June 30,
531 2014, by which time the project must be completed and final products delivered.

532

533 **(b) Youth-Led Renewable Energy and Energy Conservation in West and Southwest Minnesota**

534

535 \$123,000 the first year and \$123,000 the second year are from the trust fund to the commissioner of
536 natural resources for an agreement with Prairie Woods Environmental Learning Center to initiate youth-
537 led renewable energy and conservation projects in over thirty communities in west central and
538 southwest Minnesota.

539

540 **(c) Minnesota Junior Master Naturalist Program**

541 \$182,000 the first year and \$183,000 the second year are from the trust fund to the Board of Regents of
542 the University of Minnesota to expand the junior naturalist after-school programs. This appropriation is
543 available until June 30, 2014, by which time the project must be completed and final products delivered.

544

545 **(d) Experiential Environmental Education for Urban Youth**

546 \$354,000 the first year and \$354,000 the second year are from the trust fund to the commissioner of
547 natural resources for an agreement with Hennepin County in partnership with The City, Inc. to initiate
548 new environmental education programs targeting inner city youth that provide hands-on, experiential
549 outdoor learning opportunities. This appropriation is available until June 30, 2014, by which time the
550 project must be completed and final products delivered.

551

552 **(e) Eagles Linking Students to Science and Nature**

553 \$85,000 the first year and \$85,000 the second year are from the trust fund to the Board of Regents of
554 the University for the Minnesota Raptor Center to engage students in exploring science and nature
555 through curriculum built on real-life case studies of raptors treated at the Raptor Center and eagles
556 tracked for post-release monitoring.

557

558 **(f) Cross-Cultural Cooperation in Fish and Wildlife Conservation**

559 \$200,000 the first year and \$200,000 the second year are from the trust fund to the commissioner of
560 natural resources to collaborate with the Southeast Asian community on a tagging study and creel
561 survey of white bass and to develop and implement cross-cultural training and workshops on hunting
562 and fishing conservation regulations, ethics, and management. This appropriation is available until June
563 30, 2014, by which time the project must be completed and final products delivered.

564

565 **Subd. 9. Administration and Contract Management**

566

567 **Environment and Natural Resources Trust Fund** **707,000** **708,000**

568

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

570
571 \$625,000 the first year and \$625,000 the second year are from the trust fund for administration as
572 provided in Minnesota Statutes, section 116P.09, subdivision 5.
573

574 **(b) Contract Management**

575
576 \$82,000 the first year and \$83,000 the second year are from the trust fund to the commissioner of
577 natural resources for contract management for duties assigned in this chapter.
578

579 **Subd. 10. Availability of Appropriations**

580
581 Money appropriated in this section may not be spent on activities unless they are directly related to the
582 specific appropriation and are specified in the approved work program. Money appropriated in this
583 section must not be spent on indirect costs or other institutional overhead charges. Unless otherwise
584 provided, the amounts in this section are available until June 30, 2013, when projects must be
585 completed and final products delivered. For acquisition of real property, the amounts in this section are
586 available until June 30, 2014, if a binding contract is entered into by June 30, 2013, and closed not later
587 than June 30, 2014. If a project receives a federal grant, the time period of the appropriation is extended
588 to equal the federal grant period.
589

590 **Subd. 11. Data Availability Requirements**

591
592 Data collected by the projects funded under this section must conform to guidelines and standards
593 adopted by the Office of Enterprise Technology. Spatial data also must conform to additional guidelines
594 and standards designed to support data coordination and distribution that have been published by the
595 Minnesota Geospatial Information Office. Descriptions of spatial data must be prepared as specified in
596 the state's geographic metadata guideline and must be submitted to the Minnesota Geospatial
597 Information Office. All data must be accessible and free to the public unless made private under the
598 Data Practices Act, Minnesota Statutes, chapter 13.
599

600 To the extent practicable, summary data and results of projects funded under this section should be
601 readily accessible on the Internet and identified as an environment and natural resources trust fund
602 project.
603

604 **Subd. 12. Project Requirements**

- 605
- 606 (a) As a condition of accepting an appropriation under this section, any agency or entity receiving an
607 appropriation must comply with paragraphs (b) to (h) and Minnesota Statutes, chapter 116P, for any
608 project funded in whole or in part with funds from the appropriation.
 - 609 (b) To the extent possible, a person conducting restoration with money appropriated under this section
610 must plant vegetation only of ecotypes native to Minnesota and preferably of the local ecotype
611 using a high diversity of species originating as close to the restoration site as possible and, when
612 restoring prairies, protect existing prairies from genetic contamination. Use of seeds and plant
613 materials beyond these requirements must be expressly approved in the work program.
 - 614 (c) All conservation easements acquired with money appropriated under this section must:
615 (1) be perpetual;
616 (2) specify the parties to an easement in the easement;

- 617 (3) specify all of the provisions of an agreement that are perpetual;
618 (4) be sent to the office of the Legislative-Citizen Commission on Minnesota Resources in an
619 electronic format;
620 (5) include a long-term monitoring and enforcement plan and funding for monitoring and enforcing
621 the easement agreement; and
622 (6) include requirements in the easement document to address specific water quality protection
623 activities such as keeping water on the landscape, reducing nutrient and contaminate loading,
624 protecting groundwater, and not permitting artificial hydrological modifications.
- 625 (d) For all restorations conducted with money appropriated under this section, a recipient must prepare
626 an ecological restoration and management plan that, to the degree practicable, is consistent with
627 the highest quality conservation and ecological goals for the restoration site. Consideration should
628 be given to soil, geology, topography, and other relevant factors that would provide the best chance
629 for long-term success of the restoration projects. The plan must include the proposed timetable for
630 implementing the restoration, including site preparation, establishment of diverse plant species,
631 maintenance, and additional enhancement to establish the restoration; identify long-term
632 maintenance and management needs of the restoration and how the maintenance, management,
633 and enhancement will be financed; and take advantage of the best available science and include
634 innovative techniques to achieve the best restoration.
- 635 (e) For new lands acquired with money appropriated under this section, a recipient must prepare a
636 restoration and management plan in compliance with paragraph (d) including sufficient funding for
637 implementation.
- 638 (f) For any acquisition of land or interest in land, a recipient of money appropriated under this section
639 must give priority to high quality natural resources or conservation lands that provide natural
640 buffers to water resources.
- 641 (g) To ensure public accountability for the use of public funds, a recipient of money appropriated under
642 this section must provide to the Legislative-Citizen Commission on Minnesota Resources
643 documentation of the selection process used to identify parcels acquired and provide
644 documentation of all related transaction costs, including but not limited to appraisals, legal fees,
645 recording fees, commissions, other similar costs, and donations. This information must be provided
646 for all parties involved in the transaction. The recipient must also report to the Legislative-Citizen
647 Commission on Minnesota Resources any difference between the acquisition amount paid to the
648 seller and the state-certified or state-reviewed appraisal, if a state-certified or state-reviewed
649 appraisal was conducted. Acquisition data such as appraisals may remain private during negotiations
650 but must ultimately be made public according to Minnesota Statutes, chapter 13. The Legislative-
651 Citizen Commission on Minnesota Resources shall review the requirement in this paragraph and
652 provide a recommendation whether to continue or modify the requirement in future years. The
653 commission may waive the application of this paragraph for specific projects.
- 654 (h) A recipient of money from an appropriation under this section must give consideration to
655 contracting with the Conservation Corps - Minnesota or its successor for contract restoration and
656 enhancement services.

657
658 **Potential New (i)** The amount budgeted for fee title acquisitions must include sufficient funds for a
659 baseline assessment and high quality site restoration appropriate to designation, or the work
660 program must address why a portion of the money is not necessary to achieve a high quality
661 restoration.

662
663 **Potential New (j)** Except as otherwise provided in this section, all restoration and enhancement
664 projects funded with money appropriated in this section must be on land permanently

665 protected by a conservation easement or public ownership or in public waters as
666 defined in Minnesota Statutes, section 103G.005, subdivision 15.

667
668 **Potential new (k)** To the extent an appropriation is used to acquire an interest in real property, a
669 recipient of an appropriation under this section must provide to the Legislative-Citizen Commission
670 of Minnesota Resources and the commissioner of management and budget an analysis of
671 increased operations and maintenance costs likely to be incurred by public entities as
672 a result of the acquisition and of how these costs are to be paid.

673
674 **New (l)** A recipient of an appropriation from the trust fund under this section must acknowledge
675 financial support from the Minnesota Environment and Natural Resources Trust Fund within project
676 publications, signage, and other public communications and outreach related to work completed
677 using the dollars. Acknowledgement can occur, as appropriate, through use of the trust fund logo or
678 inclusion of language attributing support from the trust fund.

679
680 **Subd. 13. Payment Conditions and Capital Equipment Expenditures**

681
682 All agreements, grants, or contracts referred to in this section must be administered on a
683 reimbursement basis unless otherwise provided in this section. Notwithstanding Minnesota Statutes,
684 section 16A.41, expenditures made on or after July 1, 2011, or the date the work program is approved,
685 whichever is later, are eligible for reimbursement unless otherwise provided in this section. Periodic
686 payment must be made upon receiving documentation that the deliverable items articulated in the
687 approved work program have been achieved, including partial achievements as evidenced by approved
688 progress reports. Reasonable amounts may be advanced to projects to accommodate cash flow needs
689 or match federal money. The advances must be approved as part of the work program. No expenditures
690 for capital equipment are allowed unless expressly authorized in the project work program.

691
692 **Subd. 14. Purchase of Recycled and Recyclable Materials**

693
694 A political subdivision, public or private corporation, or other entity that receives an appropriation under
695 this section must use the appropriation in compliance with Minnesota Statutes, sections 16B.121,
696 regarding purchase of recycled, repairable, and durable materials; and 16B.122, regarding purchase and
697 use of paper stock and printing.

698
699 **Subd. 15. Energy Conservation and Sustainable Building Guidelines**

700
701 A recipient to whom an appropriation is made under this section for a capital improvement project must
702 ensure that the project complies with the applicable energy conservation and sustainable building
703 guidelines and standards contained in law, including Minnesota Statutes, sections 16B.325, 216C.19, and
704 216C.20, and rules adopted under those sections. The recipient may use the energy planning, advocacy,
705 and State Energy Office units of the Department of Commerce to obtain information and technical
706 assistance on energy conservation and alternative energy development relating to the planning and
707 construction of the capital improvement project.

708
709 **Subd. 16. Accessibility**

710

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

713

714 **Subd. 17. Carryforward**

715

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

717

718 (1) Laws 2009, chapter 143, section 2, subdivision 4, paragraph (a), State Park Acquisition;

719 (2) Laws 2009, chapter 143, section 2, subdivision 4, paragraph (b), State Trail Acquisition; and

720 (3) Laws 2009, chapter 143, section 2, subdivision 8, paragraph (a), Contract Management.

721

722 (b) The availability of the appropriation for the following project is extended to June 30, 2013: Laws
723 2010, chapter 362, section 2, subdivision 8, paragraph (f), Expanding Outdoor Classrooms at
724 Minnesota Schools.

725

726

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