

GREAT LAKES RESTORATION CROSSCUT

Report to Congress

Office of Management and Budget

February 2018

The Great Lakes Watershed



FY 2017 Great Lakes Restoration Crosscut

This report represents an accounting of Federal funding for Great Lakes restoration activities. This report is provided to Congress in response to section 738 of the Financial Services and General Government Appropriations Act, 2014 (Division E of Public Law 113-76).

The Fiscal Year (FY) 2018 Budget signals a commitment to Great Lakes environmental restoration by requesting \$499 million for high priority programs and projects in the Great Lakes watershed. Funding will support a number of critical restoration activities, including projects for aquatic invasive species including Asian carp, toxics and contaminated sediments, nonpoint source pollution, and habitat protection and restoration.

This crosscut presents information on Federal funding from FY 2013 through the FY 2018 President's Budget for Great Lakes restoration work in the following formats:

- Total Federal funding by agency, including national and Great Lakes programs and projects;
- Agency allocations of the Great Lakes Restoration Initiative;
- Agency funding for national programs;
- Agency funding for Great Lakes Programs; and
- Agency funding for Great Lakes projects

It is important to note that for national programs, in many instances the numbers shown for FY 2017 and FY 2018 are extrapolated either from past funding provided to the region, or by using a percentage of land in the Great Lakes basin relative to the rest of the State. The funding ultimately provided to the Great Lakes basin through national programs may differ from these estimates.

A few other funding notes are necessary. All Federal agency dollars are reported in millions; programs and projects that have not received at least \$500,000 in funding over the period of FY 2013 to FY 2018 are excluded, and rounding errors may occur. FY 2013 totals represent funding levels after sequestration.

Table 1--Federal Agency Totals

(Budget authority in millions)	FY 2013 Enacted	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Budget
Great Lakes Restoration Initiative	284	300	300	300	300	0
Department of Agriculture	203	230	212	186	172	170
Department of the Army	114	114	157	89	77	57
Department of Commerce	38	38	40	40	41	14
Department of Homeland Security	1	2	1	0	0	0
Department of the Interior	62	63	66	70	70	65
Department of State	21	26	27	27	27	23
Department of Transportation ¹	4	4	4	0	0	0
Environmental Protection Agency	202	217	211	197	177	170
Total, All Agencies	929	994	1018	909	864	499

In all tables, funding amounts are rounded to the nearest million. Rounding errors may result.

All tables exclude programs and projects that have received or requested less than \$500,000 across FYs 2013-2018.

¹ While DOT does not make any direct programmatic funding contributions to Great Lakes Restoration, States use DOT funds for a variety of environmental mitigation activities that have undoubtedly contributed to restoration efforts.

Table 2--Great Lakes Restoration Initiative, Agency Allocations

(Budget authority in millions)	FY 2013 Enacted	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	2018 Budget
Department of Agriculture	27	32	31	31	31	0
<i>[Animal and Plant Health Inspection Service]</i>	1	1	1	1	1	0
<i>[Natural Resources Conservation Service]</i>	21	24	23	19	19	0
<i>[U.S. Forest Service]</i>	6	6	6	11	11	0
Department of the Army	32	29	48	33	29	0
<i>[Army Corps of Engineers]</i>	32	29	48	33	29	0
Department of Commerce	26	35	25	30	8	0
<i>[National Oceanic and Atmospheric Administration]</i>	26	35	25	30	8	0
Department of Health and Human Services	1	2	2	2	1	0
<i>[Agency for Toxic Substances and Disease Registry and Center for Disease Control]</i>	1	2	2	2	1	0
Department of Homeland Security	2	1	2	1	2	0
<i>[Coast Guard]</i>	2	1	2	1	2	0
Department of the Interior	60	76	73	80	71	0
<i>[Bureau of Indian Affairs]</i>	4	4	5	6	7	0
<i>[Fish and Wildlife Service]</i>	40	49	41	48	40	0
<i>[U.S. Geological Survey]</i>	13	20	23	22	20	0
<i>[National Park Service]</i>	3	3	3	4	4	0
Department of State	3	3	3	4	5	0
<i>[Great Lakes Fisheries Commission]</i>	3	3	3	4	5	0
<i>[International Joint Commission]</i>	0	0	0	0	0	0
Department of Transportation	3	3	1	2	1	0
<i>[Federal Highway Administration]</i>	1	1	0	0	0	0
<i>[Maritime Administration]</i>	2	2	1	2	1	0
Environmental Protection Agency	129	119	115	117	127	0
Multiple Agencies					26	0
AOCs					19	0
Habitat					2	0
Foundations for Future Restoration					5	0
Total, All Agencies	284	300	300	300	300	0

Agency GLRI funding identified as "Multiple Agencies" is included in agency totals through FY 2016. Agency GLRI allocations for portions of the funding for AOC, Habitat, and Foundations for Future Restoration activities had not been determined for FY 2017 as of the date of this information request.

FY 2015, FY 2016 and FY 2017 Enacted Agency totals may differ from the Initial Agency Allocations included in the FY 2017 Congressional Justification due to modified agency allocations.

Table 3--Department of Agriculture, National Programs

(Budget authority in millions)	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Actual	FY 2017 Enacted	FY 2018 Budget
Natural Resources Conservation Service						
Conservation Operations	22	21	19	22	17	15
Agricultural Water Enhancement Program ^{1/}	3	0	1	0	0	0
Conservation Reserve Program ^{2/}	3	4	4	4	5	5
Conservation Security Program	9	6	2	0	0	0
Conservation Stewardship Program	25	27	27	25	26	26
Environmental Quality Incentives Program ^{3/}	48	47	43	78	45	45
Farm and Ranch Lands Protection Program ^{1/}	7	0	0	0	0	0
Wetlands Reserve Program ^{1/}	12	2	4	2	0	0
Agricultural Conservation Easement Program	0	9	10	11	13	6
Total, NRCS	129	116	110	142	106	97
Farm Service Agency						
Conservation Reserve Program	51	47	46	45	46	46
Total, FSA	51	47	46	45	46	46
Rural Development						
Water / Wastewater Loans and Grants ^{4/}	19	17	26	21	18	0
Total, RD	19	17	26	21	18	0
Forest Service						
Capital Improvement and Maintenance ^{5/}	4	4	4	4	0	0
Forest Legacy	1	0	1	1	0	0
Forest Stewardship	2	1	1	2	3	2
Knutsen-Vandenberg Fund	1	1	1	1	1	1
Land and Water Conservation Fund	2	2	2	0	0	0
National Forest System	1	1	1	1	1	1
Total, FS	11	9	10	9	5	4
Total, USDA	203	230	212	186	172	170

^{1/} These programs were repealed by the Agricultural Act of 2014 and the program purposes were incorporated into other programs.

^{2/} Prior to FY 2014, technical assistance funding for CRP was provided to NRCS through reimbursable agreements with the Farm Service Agency.

^{3/} Beginning in FY 2015, includes funding for Regional Conservation Partnership Program (RCP) agreements, which are reported under the parent program.

^{4/} BA for FY 13 thru FY 16 was updated based on actual obligations.

^{5/} FY18 Capital Improvement and Maintenance amount may increase if an infrastructure initiative is enacted.

Table 4--Department of the Army, National Programs

(Budget authority in millions)	FY 2013 Enacted	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Budget
Army Corps of Engineers						
Aquatic Ecosystem Restoration ¹	1	1	2	0	0	0
Beneficial Use of Dredged Material ¹	1	1	0	0	0	0
Dredged Material Disposal Facilities	7	2	6	0	0	0
Environmental Dredging	0	0	0	0	0	0
Environmental Infrastructure	0	5	12	12	10	0
Estuary Protection Program	0	0	0	0	0	0
Formerly Utilized Sites Remedial Action Program ²	16	14	22	12	22	20
Restoration of Environmental Quality ¹	0	0	0	0	0	0
Watershed Studies	0	0	0	0	0	0
Wetlands Permitting ³	12	12	12	12	12	12
Total, Department of the Army	37	36	55	36	44	32

¹ FY 2017 Enacted represents the final work plan. FY 2018 Budget amount represents nationwide total. Portion for Great Lakes is unknown.

² Funds reflect those allocated to programs in Great Lakes that may include other areas.

³ Estimate of expenditures for regulatory activities within Great Lakes watershed (involves all or part of five district offices).

Table 5--Department of the Army, Great Lakes Programs

(Budget authority in millions)	FY 2013 Enacted	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Budget
Army Corps of Engineers						
Great Lakes Fishery and Ecosystem Restoration	5	0	0	0	0	0
Great Lakes Remedial Action Plans	0	0	0	0	0	0
Great Lakes Tributary Model	1	1	1	1	1	0
Surveillance of Northern Boundary Waters	5	5	5	6	6	6
Total, Department of the Army	11	6	6	6	7	6

Table 6--Department of the Army, Great Lakes Projects

(Budget authority in millions)	FY 2013 Enacted	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Budget
Army Corps of Engineers						
Chicago Sanitary & Ship Canal Dispersal Barriers	24	36	50	30	12	17
Indiana Shoreline Erosion	0	1	0	2	2	0
Interbasin Control Great Lakes, Mississippi River, Aquatic Nuisance Species	5	3	1	1	3	2
McCook and Thornton Reservoirs	36	31	46	14	7	0
Presque Isle Peninsula	1	2	0	0	2	0
Total, Department of the Army	66	72	96	47	26	19

Table 7--Department of the Army, Great Lakes Projects-- Detail

(Budget authority in millions)	FY 2018 Budget	Description	Status	Authorized Funding Level (\$M)
Army Corps of Engineers				
Chicago Sanitary & Ship Canal Dispersal Barriers	17	System of electric barriers to deter movement of aquatic nuisance fish species between the Illinois River and Lake Michigan.	Three barriers are constructed and operational - Demonstration Barrier, Barrier IIA and Barrier IIB. A permanent upgrade of the Demonstration Barrier, authorized by WRDA 2007, is currently under construction.	no limit
Interbasin Control Great Lakes, Mississippi River, Aquatic Nuisance Species	2	Comprehensive study on a wide range of alternatives for preventing the migration of aquatic nuisance species between the Mississippi River and Great Lakes watersheds.	Feasibility study underway to evaluate potential ANS controls at the Brandon Road Lock and Dam.	no limit
Total, Department of the Army	19			

Table 8--Department of Commerce, National Programs

(Budget authority in millions)	FY 2013 Enacted	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Budget
National Oceanic and Atmospheric Administration						
Coastal Zone Management Grants	14	15	15	14	13	0
National Center for Coastal Ocean Science External Competitive Research ¹	1	1	1	0	0.3	0
Coastal Science, Assessment, Response and Restoration	0	0	0	1.4	1.6	1.4
National Estuarine Research Reserves	1	1	1	1	1.2	0
Marine and Aviation Ops charter vessel for Algal Bloom projects	1	0	0	0	0	0
Sea Grant	10	10	12.2	12.2	12	0
National Marine Sanctuaries	1	1	1	1.3	2	2.1
Total, Department of Commerce	28	28	30	30	30	4

¹ FY 2018 funding is an estimate based on historical trends. Actual funding amounts will be determined based on final appropriations as well as the number and quality of proposals received by NOAA.

Table 9--Department of Commerce, Great Lakes Programs

(Budget authority in millions)	FY 2013 Enacted	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Budget
National Oceanic and Atmospheric Administration						
Great Lakes Environmental Research Laboratory	10	10	10	10.5	10.5	10.5
Great Lakes Habitat Restoration ¹	0	0	0	0	0.1	0
Total, Department of Commerce	10	10	10	10	11	10

¹ FY 2018 funding is an estimate based on historical trends. Actual funding amounts will be determined based on final appropriations as well as the number and quality of proposals received by NOAA.

Table 10--Department of Homeland Security, National Programs

(Budget authority in millions)	FY 2013 Enacted	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Budget
Coast Guard						
Environmental, Compliance and Restoration -- Toxics and Contaminated Sediments	1	2	1	0	0	0
Total, Department of Homeland Security	1	2	1	0	0	0

Table 11--Department of the Interior, National Programs

(Budget authority in millions)	FY 2013 Enacted	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Budget
U.S. Geological Survey						
Ecosystems/Status and Trends Program	3	3	3	3	3	3
Ecosystems/Fisheries Program	4	4	4	4	4	3
Ecosystems/Environments Program	1	1	1	1	1	1
Ecosystems/Invasive Species Program (Asian Carp)	3	3	5	5	5	5
Natural Hazards/Coastal and Marine Geology	1	0	0	0	0	0
National Water Quality Assessment Program	2	1	3	0	0	0
National Streamflow Information Program	1	1	1	0	0	0
Cooperative Water Program	3	3	3	0	0	0
Water Availability and Use Science Program	0	0	0	1	1	1
Groundwater and Streamflow Information Program	0	0	0	1	1	1
National Water Quality Program	0	0	0	2	2	2
National Cooperative Geologic Mapping Program	0	0	0	1	1	1
Fish and Wildlife Service						
Clean Vessel Grant Program	1	1	1	1	1	1
Coastal Wetlands Grant Program	0	2	2	2	2	2
Ecological Services	10	10	10	10	10	10
Fire Management/Roads	2	2	2	2	2	2
Fish and Wildlife Management	4	4	4	4	4	4
Fish Hatcheries	4	4	4	4	4	4
Aquatic Invasive Species (Asian Carp)	3	3	3	5	6	5
Law Enforcement	2	2	2	2	2	2
National Wildlife Refuge System	11	11	11	12	12	11
National Park Service						
Competitive Park Projects (Water Management Plans)	0	1	0	0	0	0
Operating Program	7	7	7	8	8	7
Total, Department of the Interior	61	62	65	69	69	64

Table 12--Department of the Interior, Great Lakes Programs

(Budget authority in millions)	FY 2013 Enacted	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Budget
Fish and Wildlife Service						
Great Lakes Consent Decree	1	1	1	1	1	1
Total, Department of the Interior	1	1	1	1	1	1

Table 13--Department of State, Great Lakes Programs

(Budget authority in millions)	FY 2013 Enacted	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Budget
Great Lakes Fishery Commission	19	24	25	25	25	21
International Joint Commission	2	2	2	2	2	2
Total, Department of State	21	26	27	27	27	23

Table 14--Department of Transportation, National Programs

(Budget authority in millions)	FY 2013 Enacted	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Budget
Department of Transportation ¹	4	4	4	0	0	0
Total, Department of Transportation	4	4	4	0	0	0

While DOT does not make any direct programmatic funding contributions to Great Lakes Restoration, States use DOT funds for a variety of environmental mitigation activities that have undoubtedly contributed to restoration efforts. DOT funding amounts for FY 2013 - FY 2015 are estimates and are not based on reported data. FY 2016, FY 2017, and FY 2018 estimates have been reduced to \$0 to show that DOT has not received, awarded or obligated funding to directly restore the Great Lakes Watershed. However, States continue to use DOT funds that may indirectly contribute to restoration efforts.

Table 15--Environmental Protection Agency, National Programs

(Budget authority in millions)	FY 2013 Enacted	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Budget
Clean Water State Revolving Fund ¹	157	164	164	157	155	158
Section 105 Clean Air Grants ¹	1	1	1	1	1	0
Section 106 Clean Water Grants ¹	17	16	16	16	16	11
Section 319 Nonpoint Source Grants ¹	3	3	5	3	3	0
Superfund Remedial ^{2,3}	23	31	24	18	TBD	TBD
Wetlands State Grants ¹	2	2	1	2	2	1
Total, Environmental Protection Agency	202	217	211	197	177	170

¹ FY 2017 and FY 2018 represent estimates based on previous allocations. Final amounts may differ.

² FY 2015 numbers have been updated to reflect actual obligations. Obligation data does not signify investment or disinvestment trends in cleanups in the Great Lakes Watershed, but rather annual resource use at individual sites as they move through the Superfund cleanup process.

³ FY 2017 and FY 2018 data are not provided as they are enforcement confidential and do not reflect "approved" plans.