

GREAT LAKES RESTORATION CROSSCUT

Report to Congress

Office of Management and Budget

The Great Lakes Watershed



2018 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) 2019 Budget signals a commitment to Great Lakes environmental restoration by requesting \$496 million for 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 2014 through the FY 2019 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 2018 and FY 2019 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 2014 to FY 2019 are excluded, and rounding errors may occur.

OMB and the agencies are considering reviewing the scope of future year crosscuts. This crosscut and those produced for prior years include activities that directly fund improvements to the overall health of the Great Lakes ecosystem as well as related activities including administrative funding, regulatory programs, and infrastructure projects with indirect ecosystem protection benefits.

Table 1--Federal Agency Totals

(Budget authority in millions)	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Enacted	FY 2019 Budget
Great Lakes Restoration Initiative	300	300	300	300	300	30
Department of Agriculture	192	190	219	180	175	150
Department of the Army	114	156	89	77	111	43
Department of Commerce	38	40	40	41	44	15
Department of Homeland Security	2	1	0	0	0	0
Department of the Interior	64	67	69	70	71	66
Department of State	26	27	27	27	35	23
Department of Transportation ¹	4	4	0	0	0	0
Environmental Protection Agency	217	211	197	198	209	169
Total, All Agencies	957	996	941	893	945	496

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 2014-2019.

Table 2--Great Lakes Restoration Initiative, Agency Allocations

(Budget authority in millions)	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Enacted	FY 2019 Budget
Department of Agriculture	32	31	31	35	37	0
<i>[Animal and Plant Health Inspection Service]</i>	1	1	1	1	1	0
<i>[Natural Resources Conservation Service]</i>	24	23	19	22	25	0
<i>[U.S. Forest Service]</i>	6	6	11	11	10	0
Department of the Army	29	48	33	60	29	0
<i>[Army Corps of Engineers]</i>	29	48	33	60	29	0
Department of Commerce	35	25	31	12	24	0
<i>[National Oceanic and Atmospheric Administration]</i>	35	25	31	12	24	0
Department of Health and Human Services	2	2	2	1	1	0
<i>[Agency for Toxic Substances and Disease Registry and Center for Disease Control]</i>	2	2	2	1	1	0
Department of Homeland Security	1	2	1	2	1	0
<i>[Coast Guard]</i>	1	2	1	2	1	0
Department of the Interior	76	73	81	84	90	0
<i>[Bureau of Indian Affairs]</i>	4	5	6	11	12	0
<i>[Fish and Wildlife Service]</i>	49	41	48	42	52	0
<i>[U.S. Geological Survey]</i>	20	23	23	27	21	0
<i>[National Park Service]</i>	3	3	4	4	5	0
Department of State	3	3	4	6	5	0
<i>[Great Lakes Fisheries Commission]</i>	3	3	4	6	5	0
Department of Transportation	3	1	2	1	1	0
<i>[Federal Highway Administration]</i>	1	0	0	0	0	0
<i>[Maritime Administration]</i>	2	1	2	1	1	0
Environmental Protection Agency	119	115	115	101	113	30
Total, All Agencies	300	300	300	300	300	30

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

Table 3--Department of Agriculture, National Programs

(Budget authority in millions)	FY 2014 Actual	FY 2015 Actual	FY 2016 Actual	FY 2017 Actual	FY 2018 Enacted	FY 2019 Budget
Natural Resources Conservation Service						
Conservation Operations	21	19	22	17	18	14
Agricultural Water Enhancement Program ^{1/}	0	1	0	0	0	0
Conservation Reserve Program ^{2/}	4	4	4	5	5	5
Conservation Security Program	6	2	0	0	0	0
Conservation Stewardship Program	27	27	25	26	24	24
Environmental Quality Incentives Program ^{3/}	47	43	78	45	46	46
Wetlands Reserve Program ^{1/}	2	4	2	0	0	0
Agricultural Conservation Easement Program	9	10	11	13	10	10
Total, NRCS	116	110	142	106	103	99
Agricultural Research Service						
Water Availability and Water Management	0	0	0	2	2	2
Agricultural System Competitiveness & Sustainability	0	0	0	1	1	1
Total, ARS	0	0	0	3	3	3
Farm Service Agency						
Conservation Reserve Program	47	46	45	46	43	43
Total, FSA	47	46	45	46	43	43
National Institute of Food and Agriculture						
Agriculture and Food Research Initiative Grants	0	0	2	2	2	2
Total, NIFA	0	0	2	2	2	2
Rural Development						
Water / Wastewater Loans and Grants ^{4/}	17	26	21	18	21	0
Total, RD	17	26	21	18	21	0
Forest Service						
Capital Improvement and Maintenance	4	4	4	0	0	0
Land and Water Conservation Fund: Forest Legacy ^{5/}	5	1	1	0	0	0
Forest Stewardship	1	1	2	3	1	1
Knutsen-Vandenberg Fund	1	1	1	1	1	1
National Forest System	1	1	1	1	1	1
Total, FS	12	8	9	5	3	3
Total, USDA	192	190	219	180	175	150

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

^{2/} Technical assistance only.

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

^{4/} BA for FY 14 thru FY 17 was updated based on actual obligations. FY 2018 is based upon prior obligation averages. For FY 2019, the President's Budget removes all BA and proposes a negative subsidy rate, so a zero is reported.

^{5/} In FY 2014, FS funded a project in WI called Brule-St Croix with \$4.5 million. It was completed in 2015 and is 21,189 acres. It is located in Douglas, Bayfield, Burnett and Washburn counties. In FY 2015, FS funded a project in MI called Pilgrim Forest for \$550,000. It was recently completed and is 1,295 acres and included 3.5 miles of Pilgrim River Corridor. It is located in Houghton county on the Keweenaw peninsula. In FY 2017 and FY 2018, there were no FLP projects in the Great Lakes region. In FY 2019, Forest Legacy was not funded in the President's budget.

Table 4--Department of the Army, National Programs

(Budget authority in millions)	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Enacted	FY 2019 Budget
Army Corps of Engineers						
Continuing Authorities Program	2	2	0	0	3	3
Dredged Material Disposal Facilities	2	6	0	0	0	0
Environmental Infrastructure	5	12	12	10	8	0
Formerly Utilized Sites Remedial Action Program ¹	14	22	12	22	14	4
Regulatory Program ²	12	12	12	12	12	12
Total, Department of the Army	36	54	36	44	37	19

¹ Funds reflect those allocated to programs in Great Lakes that may include other areas.

² 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 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Enacted	FY 2019 Budget
Army Corps of Engineers						
Great Lakes Tributary Model	1	1	1	1	0	0
Surveillance of Northern Boundary Waters	5	5	6	6	6	5
Total, Department of the Army	6	6	6	7	6	5

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

(Budget authority in millions)	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Enacted	FY 2019 Budget
Army Corps of Engineers						
Chicago Sanitary & Ship Canal Dispersal Barriers	36	50	30	12	17	19
Indiana Shoreline Erosion	1	0	2	2	3	0
Interbasin Control Great Lakes, Mississippi River, Aquatic Nuisance Species ¹	3	1	1	3	2	0
McCook and Thornton Reservoirs	31	46	14	7	44	0
Presque Isle Peninsula	2	0	0	2	2	0
Total, Department of the Army	72	96	47	26	68	19

¹This project was funded at \$200,000 in the FY 2019 Budget, which rounds to zero for the purposes of this report.

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

(Budget authority in millions)	FY 2019 Budget	Description	Status	Authorized Funding Level (\$M)
Army Corps of Engineers				
Chicago Sanitary & Ship Canal Dispersal Barriers	19	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
Total, Department of the Army	19			

Table 8--Department of Commerce, National Programs

(Budget authority in millions)	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Enacted	FY 2019 Budget
National Oceanic and Atmospheric Administration						
Coastal Zone Management Grants	15	15	14	13	14	0
National Center for Coastal Ocean Science External Competitive Research ¹	1	1	0	0	1	0
Coastal Science, Assessment, Response and Restoration	0	0	1	2	1	2
National Estuarine Research Reserves	1	1	1	1	1	0
Marine and Aviation Ops charter vessel for Algal Bloom projects	0	0	0	0	0	0
Sea Grant	10	12	12	12	12	0
National Marine Sanctuaries	1	1	1	2	2	2
Total, Department of Commerce	28	30	30	30	33	4

¹ FY 2019 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 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Enacted	FY 2019 Budget
National Oceanic and Atmospheric Administration						
Great Lakes Environmental Research Laboratory	10	10	11	11	11	11
Total, Department of Commerce	10	10	10	11	11	11

Table 10--Department of Homeland Security, National Programs

(Budget authority in millions)	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Enacted	FY 2019 Budget
Coast Guard						
Environmental, Compliance and Restoration -- Toxics and Contaminated Sediments	2	1	0	0	0	0
Total, Department of Homeland Security	2	1	0	0	0	0

Table 11--Department of the Interior, National Programs

(Budget authority in millions)	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Enacted	FY 2019 Budget
U.S. Geological Survey						
Ecosystems/Status and Trends Program	3	3	3	3	3	3
Ecosystems/Fisheries Program	4	4	4	4	4	4
Ecosystems/Environments Program	1	1	1	1	1	1
Ecosystems/Invasive Species Program (Asian Carp)	3	5	5	5	5	5
National Water Quality Assessment Program	1	3	0	0	0	0
National Streamflow Information Program	1	1	0	0	0	0
Cooperative Water Program	3	3	0	0	0	0
Water Availability and Use Science Program	0	0	1	1	1	1
Groundwater and Streamflow Information Program	0	0	1	3	3	2
National Water Quality Program	0	0	2	2	2	2
National Cooperative Geologic Mapping Program	0	0	1	1	1	1
Fish and Wildlife Service						
Clean Vessel Grant Program	1	1	1	1	1	1
Coastal Wetlands Grant Program	2	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	5	6	6	5
Law Enforcement	2	2	2	2	2	2
National Wildlife Refuge System	11	11	12	12	12	11
National Park Service						
Competitive Park Projects (Water Management Plans)	1	0	0	1	0	0
Operating Program	7	7	8	5	7	5
Total, Department of the Interior	63	66	68	69	70	65

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

(Budget authority in millions)	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Enacted	FY 2019 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 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Enacted	FY 2019 Budget
Great Lakes Fishery Commission	24	25	25	25	33	21
International Joint Commission	2	2	2	2	2	2
Total, Department of State	26	27	27	27	35	23

Table 14--Department of Transportation, National Programs

(Budget authority in millions)	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Enacted	FY 2019 Budget
Department of Transportation ¹	4	4	0	0	0	0
Total, Department of Transportation	4	4	0	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 2014 - FY 2015 are estimates and are not based on reported data. DOT is reporting \$0 for FY 2016, FY 2017, FY 2018, and FY 2019 to reflect that DOT has not received, awarded or obligated funding to directly restore the Great Lakes Watershed, and while States continue to use DOT funds that may contribute to restoration efforts (e.g., a State may use FHWA funding to clean up an area located within the Great Lakes watershed in order to construct a new bridge), DOT does not currently track the amount of DOT funding used for such activities.

Table 15--Environmental Protection Agency, National Programs

(Budget authority in millions)	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Enacted	FY 2018 Enacted	FY 2019 Budget
Clean Water State Revolving Fund ¹	164	164	157	155	188	158
Section 105 Clean Air Grants ¹	1	1	1	1	1	0
Section 106 Clean Water Grants ^{1,4}	16	16	16	16	15	11
Section 319 Nonpoint Source Grants ¹	3	5	3	3	4	0
Superfund Remedial ^{2,3}	31	24	18	21	TBD	TBD
Wetlands State Grants ¹	2	1	2	2	1	1
Total, Environmental Protection Agency	217	211	197	198	209	169

¹ FY 2019 represent estimates based on previous allocations. Final amounts may differ.

² FY 2017 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 2018 and FY 2019 data are not provided as they are enforcement confidential and do not reflect "approved" plans.

⁴Reflects current snapshot of FY 2018 funded projects. As additional projects are reported, estimates could be higher.