

Fiscal Year 2009 Civil Works Budget for the U.S. Army Corps of Engineers

February 2008

DEPARTMENT OF THE ARMY OFFICE OF THE ASSISTANT SECRETARY FOR CIVIL WORKS WASHINGTON, D.C. 20310-0108

OVERVIEW OF FISCAL YEAR 2009 CIVIL WORKS BUDGET

The President's Budget for fiscal year (FY) 2009 for the Civil Works program of the Army Corps of Engineers addresses the continued development and restoration of the Nation's water and related resources, operation and maintenance of existing Corps water resources projects, protection of the Nation's waters and wetlands, and restoration of sites contaminated as a result of the Nation's early atomic weapons development program. The Budget continues to focus on the three main water resources mission areas of the Civil Works program, namely, commercial navigation, flood and coastal storm damage reduction, and aquatic ecosystem restoration.

The Budget provides \$4.741 billion in discretionary funding for the annual Civil Works program. Additional sources of funding for the annual program are estimated at \$501 million, including \$400 million contributed in cash provided by non-Federal interests.

The Budget also provides \$5.761 billion in an FY 2009 emergency request for the additional Federal funds needed to reduce the risk to the greater New Orleans, Louisiana, area from storm surges that have a 1% annual chance of occurring and to improve internal drainage; to restore and complete construction of hurricane and storm damage reduction features in surrounding areas to previously authorized levels of protection; and to incorporate certain non-Federal levees into the Federal system. The Budget proposes to authorize the works in greater New Orleans (including certain internal drainage) as a single project, to be constructed with the State as cost-sharing partner, and subsequently maintained and operated by the State. Pre-Katrina, storm damage reduction was provided through separately authorized projects, which were designed to different standards, subject to different requirements for non-Federal cost sharing, and managed by different local entities.

Construction. The Budget provides \$1.478 billion for construction (including \$76 million in the MR&T account) and again proposes objective performance criteria to guide the allocation of funds among projects. The guidelines give priority to projects with the greatest net economic and environmental returns per dollar invested; those that address a significant risk to human safety; dam safety assurance, seepage control, and static instability correction projects; and projects that can be completed in FY 2009. Those funded include 11 dam safety assurance, seepage control, and static instability correction projects; 16 projects that address a significant risk to human safety, including the St. Louis Flood Protection, Missouri and Wood River Levee, Illinois deficiency corrections; 12 projects that can complete construction in FY 2009; and 41 others.

The Budget is based on proposed legislation to authorize a user fee on commercial barges passing through locks on the inland waterways, and to phase out the existing diesel fuel tax for the inland waterways. The prompt enactment of such legislation is needed to address the declining balance in the Inland Waterways Trust Fund, which will otherwise run out of funds around the end of the 2008 calendar year, and to support ongoing and future inland waterways projects. The proposal would ensure that the commercial users of the Corps locks continue to cover their share of project costs, which is financed from the Inland Waterways Trust Fund. The amount of the user fee would be tied to the level of spending for inland waterways construction, replacement, expansion and rehabilitation work.

Operation and Maintenance. The Budget provides \$2.638 billion for operation and maintenance (including \$163 million in the MR&T account). It emphasizes performance by focusing on the maintenance of key facilities. For example, the Budget continues to give priority to those harbors and waterway segments that support high volumes of commercial traffic, such as the heavily-used Mississippi and Ohio Rivers, and the Illinois Waterway. The Budget also funds harbors that support significant commercial fishing, subsistence, or public transportation benefits.

The Budget presents information for operation and maintenance activities by 54 areas based on U.S.G.S. sub-watersheds, setting the stage for improved management of Civil Works assets in FY 2009 and more systematic budget development in future years. As in the FY 2007 and 2008 Budgets, the operation and maintenance program also includes four activities that are directly related to the operation and maintenance of Corps projects, but previously were funded in the construction program – compliance with the Endangered Species Act at operating projects; rehabilitation of components of existing projects; replacement of sand lost due to the operation and maintenance of Federal navigation projects; and construction of dredged material placement facilities, projects, or features (including islands and wetlands) to use materials dredged during federal navigation operation and maintenance activities. The Budget transfers responsibility for these activities to improve investment decisions on project operation and maintenance, and better provide accountability and oversight for those decisions. For similar reasons, the \$10 million for the National Levee Inventory program is funded in the operations and maintenance program. The Budget provides \$270 million for the operation and maintenance of recreation areas at Corps projects. The Budget again proposes legislation to raise additional funds to upgrade and modernize recreation facilities through expansion of the current fee structure and through voluntary partnership arrangements.

<u>Investigations.</u> The Budget provides \$92 million for investigations (including \$1 million in the MR&T account). Within this amount, the Budget includes \$1 million for the studies funded in the Budget to comply with the independent peer review requirements of Section 2034 of the Water Resources Development Act of 2007 and \$2 million for a high-priority study of the vulnerability of the U.S. to damage from flooding, including an assessment of the comparative risks faced by different regions of the U.S. The study will provide background for a subsequent effort by policy officials to develop recommendations to improve existing Federal programs, authorities, and roles.

<u>Emergency Management.</u> The Budget emphasizes disaster preparedness, by providing \$40 million in the Flood Control and Coastal Emergencies account to prepare for flood and coastal emergencies and other natural disasters. In addition, the Operation and Maintenance account includes \$6 million for the national emergency preparedness program and \$12 million for facility protection and security.

Regulatory. The Budget provides \$180 million for the Regulatory Program to protect the Nation's waters and wetlands.

<u>Everglades/South Florida Ecosystem Restoration.</u> The Budget provides \$185 million for this program, an increase of \$54 million (41 percent) compared to the enacted 2008 level. The Budget emphasizes continued funding for the Modified Water Deliveries to Everglades National Park project, the Kissimmee River restoration effort, and the Comprehensive Everglades Restoration Plan.

The Budget includes initiatives leading to the development of a more systematic, performance-based budget and improved asset management. Many of these initiatives are in response to program assessments using the Program Assessment Rating Tool, or PART. To help identify, evaluate, and establish priorities for the maintenance, replacement, and rehabilitation of existing flood and storm damage reduction, commercial navigation, and hydropower assets, the Budget provides funding to develop asset management systems and risk-based condition indices, and to measure performance under new performance measures using the PART. These analytical tools enable the Corps to more strategically evaluate these investment choices for existing Corps assets.

This Budget represents the prudent use of available funding to advance important, mission-based objectives. I am proud to present it.

John Paul Woodley, Jr.

Assistant Secretary of the Army

(Civil Works)

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS – CIVIL WORKS FISCAL YEAR 2009 BUDGET REQUEST

The Fiscal Year 2009 Budget provides \$4,741,000,000 for the Civil Works program of the Army Corps of Engineers. The Civil Works program supports water resources development, management, and restoration through investigations and surveys, engineering and design, construction, and operation and maintenance, as authorized by Congress. Funding for the Civil Works program includes \$501,000,000 in additional new resources, including \$400,000,000 in non-Federal contributions. Based on current estimates, requested FY 2009 appropriations and additional new resources are as follows:

	<u>Amount (\$)</u>	
Requested Appropriations:		
Investigations	91,000,000	
Construction	1,402,000,000 1	1/
Operation and Maintenance	2,475,000,000 2	2/
Regulatory Program	180,000,000	
Mississippi River and Tributaries	240,000,000	
Expenses	177,000,000	
Flood Control and Coastal Emergencies	40,000,000	
Formerly Utilized Sites Remedial Action Program	130,000,000	
Assistant Secretary of the Army, Civil Works	6,000,000	
TOTAL APPROPRIATION RE	QUEST 4,741,000,000	
Sources of Appropriations:		
General Fund	(3,844,000,000)	
Harbor Maintenance Trust Fund	(729,000,000)	
Inland Waterways Trust Fund	(167,000,000)	
Disposal Facilities User Fees	(1,000,000)	
TOTAL APPROPRIATION RE	EQUEST (4,741,000,000)	
Additional New Resources:		
Rivers and Harbors Contributed Funds		3/
Coastal Wetlands Restoration Trust Fund	- ,,	4/
Permanent Appropriations	17,000,000	
TOTAL ADDITIONAL NEW R	ESOURCES 501,000,000	
TOTAL PROGRAM FUNDING	G 5,242,000,000	

^{1/} Includes \$157,000,000 from the Inland Waterways Trust Fund.

^{2/} Includes \$729,000,000 from the Harbor Maintenance Trust Fund and \$10,000,000 from the Inland Waterways Trust Fund.

^{3/} Cost-sharing contributions required by law for budgeted work and work financed 100 percent by non-Federal interests.

^{4/} Transferred from the Sport Fish Restoration Account of the Aquatic Resources Trust Fund for planning, protection, and restoration of coastal wetlands in the state of Louisiana.

FY 2009 Budget Business Line/Account Cross-Walk (\$ Millions)

Business Lines/Funding Categories:				MR&T									
	I	С	O&M	- 1	С	O&M	TOTAL MRT	FUSRAP	FCCE	REG	E	ASA (CW)	TOTAL
Flood and Coastal Storm Damage Reduction	36	619	482	1	62	114	177						1,314
Coastal	2	19	6	0	0	0	0						27
Inland	34	600	476	1	62	114	177						1,287
Hydropower		43	276										319
Navigation	20	495	1,346		10	29	39						1,900
Coastal	17	188	760		0	4	4						969
Inland	3	307	586		10	25	35						931
Environment													
Aquatic Ecosystem Restoration	35	245	2		4		4						286
Stewardship			90			5	5						95
FUSRAP								130					130
Regulatory										180			180
Recreation			255			15	15						270
Emergency Management <u>1</u> /			18						40				58
Water Supply			6										6
Expenses											177		177
ASA(CW)												6	6
TOTAL	91	1,402	2,475	1	76	163	240	130	40	180	177	6	4,741

^{1/}The O&M account includes \$6M for NEPP and \$12M for Facility Protection, which in previous years was spread across Business Lines.

I = Investigations; C= Construction; O&M = Operation and Maintenance; FUSRAP = Formerly Utilized Sites Remedial Action Plan; FCCE = Flood Control and Coastal Emergencies; REG= Regulatory; E= Expenses; NEPP = National Emergency Preparedness Program ASA(CW) = Assistant Secretary of the Army for Civil Works; MR&T = Flood Control, Mississippi River and Tributaries

TABLE OF CONTENTS

	Page			Page		Page
Budget Overview	1		Minnesota	16	Breakdown for Mississippi River	27
Fiscal Year 2009 Budget Summary	3		Missouri	17 1/	and Tributaries	
Business Line/Account Cross-Walk	4		Montana	17	Water Resource Regions Map	30
Previously Unfunded Studies and Projects	6		Nebraska	18	System Codes and Names	31
Proposed for Funding			New Hampshire	18	Water Resource Regions - Summary	32
Key to Abbreviations	7		New Jersey	18	by System	
Alaska	8		New Mexico	19	Water Resource Regions	33
Arizona	8		New York	19	Water Resource Regions - Mississippi	89
Arkansas	8	1/	North Carolina	20	River and Tributaries Summary	
California	9		North Dakota	20	Water Resource Regions - Mississippi	90
Florida	10		Ohio	20	River and Tributaries	
Georgia	10		Oklahoma	21	Investigations Summary	94
Guam	11		Oregon	21	Construction Summary	95
Hawaii	11		Pennsylvania	22	Operation and Maintenance Summary	96
Illinois	12	1/	Puerto Rico	22	Mississippi River & Tribs Summary	97
Indiana	13		South Carolina	22	Benefit-Costs Tables	98
Iowa	13		Tennessee	23 1/	Recreation Initiative	103
Kansas	14		Texas	24	Formerly Utilized Sites Remedial Action	104
Kentucky	14	1/	Virginia	25	Program, Summary	
Louisiana	15	1/	Washington	25		
Massachusetts	15		West Virginia	26		
Michigan	16		Wisconsin	26		

^{1/} Also see Breakdown for Flood Control, Mississippi River and Tributaries

DEPARTMENT OF THE ARMY PREVIOUSLY UNFUNDED STUDIES AND PROJECTS PROPOSED FOR FUNDING FISCAL YEAR 2009

<u>STATE</u>	BUDGET REQUEST	<u>STATE</u>	BUDGET REQUEST
<u>INVESTIGATIONS</u>		CONSTRUCTION	
OTUDITO		ENVIRONMENTAL RESTORATION	
STUDIES	0.000.000	NONE	
WATER RESOURCES PRIORITIES STUDY	2,000,000	FLOOD DAMAGE REDUCTION	
DECONCTRUCTION FACILITEDING AND DECICAL		NONE	
PRECONSTRUCTION, ENGINEERING AND DESIGN	N	NAVIGATION	
NONE		NONE	
TOTAL - INVESTIGATIONS	2,000,000	TOTAL - CONSTRUCTION	
TOTAL - INVESTIGATIONS	2,000,000	MISSISSIPPI RIVER AND TRIBUTARIES	
OPERATION AND MAINTENANCE		STUDY LA ATCHAFALAYA BASIN FLOODWAY LAND STUDY	100,000
NONE		NONE	
NONE		CONSTRUCTION	
		NONE	
TOTAL - OPERATION AND MAINTENANCE		TOTAL - MISSISSIPPI RIVER AND TRIBUTARIES (1)	100,000

KEY TO ABBREVIATIONS

E - ENVIRONMENTAL RESTORATION
FDP - FLOOD DAMAGE PREVENTION
H - HYDROPOWER
N - NAVIGATION
REC - RECREATION
SP - SHORELINE PROTECTION

Allocation for multi-state studies, projects and programs are listed under a single state and cross-referenced to other affected states. They are not intended to depict total allocations to individual states.

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
ALASKA				
ANCHORAGE HARBOR DEEPENING, AK	N	100,000		
BARROW COASTAL STORM DAMAGE REDUCTION, AK	SP	400,000		
YAKUTAT HARBOR, AK	FDP	700,000		
ARIZONA				
PIMA COUNTY, AZ	E	275,000		
VA SHLY-AY AKIMEL SALT RIVER RESTORATION, AZ	E		658,000	
ARKANSAS				
OZARK - JETA TAYLOR POWERHOUSE, AR (REPLACEMENT)	н			17,300,000

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
CALIFORNIA				
AMERICAN RIVER WATERSHED (COMMON FEATURES), CA	FDP			13,000,000
AMERICAN RIVER WATERSHED (FOLSOM DAM MODIFICATIONS), CA	FDP			9,000,000
CALIFORNIA COASTAL SEDIMENT MASTER PLAN, CA	SP	900,000		
COYOTE & BERRYESSA CREEKS, CA	FDP		950,000	
HAMILTON AIRFIELD WETLANDS RESTORATION, CA	E			4,900,000
KAWEAH RIVER, CA	FDP			1,000,000
LOS ANGELES COUNTY DRAINAGE AREA, CA	FDP			5,700,000
NAPA RIVER, CA	FDP			7,395,000
OAKLAND HARBOR (50 FOOT PROJECT), CA	N			25,092,000
SACRAMENTO DEEPWATER SHIP CHANNEL, CA	N			900,000
SACRAMENTO RIVER BANK PROTECTION PROJECT, CA	FDP			23,968,000
SAC-SAN JOAQUIN DELTA ISLANDS AND LEVEES, CA	FDP	468,000		
SANTA ANA RIVER MAINSTEM, CA	FDP			8,100,000
SOLANA BEACH, CA	SP	171,000		
SOUTH SACRAMENTO COUNTY STREAMS, CA	FDP			12,000,000
SUCCESS DAM, TULE RIVER, CA (DAM SAFETY)	FDP			8,000,000
SUTTER COUNTY, CA	FDP	339,000		
UPPER PENITENCIA CREEK, CA	FDP	191,000		

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
FLORIDA				
CEDAR HAMMOCK, WARES CREEK, FL	FDP			2,773,000
HERBERT HOOVER DIKE, FL (SEEPAGE CONTROL)	FDP			77,400,000
MILE POINT, FL	N	50,000		
PORT EVERGLADES HARBOR, FL	N	550,000		
SOUTH FLORIDA EVERGLADES ECOSYSTEM RESTORATION, FL	E			185,000,000
ST LUCIE INLET, FL	N			4,000,000
GEORGIA				
AUGUSTA, GA	FDP		278,000	
LONG ISLAND, MARSH AND JOHNS CREEKS, GA	E	150,000		
RICHARD B RUSSELL DAM AND LAKE, GA & SC	Н			1,450,000
SAVANNAH HARBOR EXPANSION, GA	N		700,000	
TYBEE ISLAND, GA	SP	250,000		

TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
FDP	350,000		
E	300,000		
N		200,000	
	FDP	FDP 350,000 E 300,000	FDP 350,000 E 300,000

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
ILLINOIS				
CHAIN OF ROCKS CANAL, MISSISSIPPI RIVER, IL (DEF CORR)	N			2,500,000
CHICAGO SANITARY AND SHIP CANAL DISPERSAL BARRIER, IL	E			5,750,000
CHICAGO SANITARY AND SHIP CANAL, SECOND BARRIER, IL	E			500,000
CHICAGO SHORELINE, IL	SP			1,000,000
DES PLAINES RIVER, IL	FDP			5,620,000
DES PLAINES RIVER, IL (PHASE II)	FDP	500,000		
EAST ST LOUIS, IL	FDP			200,000
GREAT LAKES NAV SYST STUDY, MI, IL, IN, MN, NY, OH, PA & WI (SEE MICHIGAN)				
ILLINOIS RIVER BASIN RESTORATION , IL	E	400,000		
ILLINOIS WATERWAY, LOCKPORT LOCK AND DAM, IL (REPLACEMENT)	N			28,600,000
MCCOOK AND THORNTON RESERVOIRS, IL	FDP			34,000,000
MISS RIVER BTWN THE OHIO AND MO RIVERS (REG WORKS), MO & IL (SEE MISSOURI)				
OLMSTED LOCKS AND DAM, OHIO RIVER, IL & KY	N			114,000,000
UPPER MISSISSIPPI RIVER RESTORATION, IL, IA, MN, MO & WI	E			20,000,000
WOOD RIVER LEVEE, IL	FDP			684,000

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
INDIANA				
GREAT LAKES NAV SYST STUDY, MI, IL, IN, MN, NY, OH, PA & WI (SEE MICHIGAN)				
INDIANA HARBOR, IN	E	300,000		
LITTLE CALUMET RIVER, IN	FDP			8,000,000
MCALPINE LOCKS AND DAM, OHIO RIVER, KY & IN (SEE KENTUCKY)				
IOWA				
UPPER MISSISSIPPI RIVER RESTORATION, IL, IA, MN, MO & WI (SEE ILLINOIS)				

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
KANSAS				
KANSAS CITYS, MO & KS (SEE MISSOURI)				
TOPEKA, KS	FDP		100,000	
TURKEY CREEK BASIN, KS & MO	FDP			10,000,000
TUTTLE CREEK LAKE, KS	FDP			23,800,000
KENTUCKY				
KENTUCKY LOCK AND DAM, TENNESSEE RIVER, KY	N			22,330,000
MCALPINE LOCKS AND DAM, OHIO RIVER, KY & IN	N			6,270,000
OLMSTED LOCKS AND DAM, OHIO RIVER, IL & KY (SEE ILLINOIS)				
WOLF CREEK DAM, LAKE CUMBERLAND, KY (SEEPAGE CONTROL)	Н			57,000,000

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
LOUISIANA				
BAYOU SORREL LOCK, LA	N		1,599,000	
CALCASIEU LOCK, LA	N	53,000		
CALCASIEU RIVER BASIN, LA	FDP	67,000		
J BENNETT JOHNSTON WATERWAY, LA	N			1,500,000
LOUISIANA COASTAL AREA ECOSYSTEM RESTORATION, LA (SCIENCE PROGRAM)	E	10,000,000		
LOUISIANA COASTAL AREA ECOSYSTEM RESTORATION, LA	E	10,000,000		
ST CHARLES PARISH URBAN FLOOD CONTROL, LA	FDP	500,000		
HURRICANE AND STORM DAMAGE RISK REDUCTION PROJECT, NEW ORLEANS AREA, LA (1/)	FDP			5,761,000,000
1/ Emergency Request for Fiscal Year 2009				
MASSACHUSETTS				
BOSTON HARBOR (45-FOOT CHANNEL), MA	N		2,300,000	
MERRIMACK RIVER WATERSHED STUDY, NH & MA (SEE NEW HAMPSHIRE)				
MUDDY RIVER, MA	FDP			4,000,000
PILGRIM LAKE, TRURO & PROVINCETOWN, MA	E	96,000		

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
MICHIGAN				
GREAT LAKES NAV SYST STUDY, MI, IL, IN, MN, NY, OH, PA & WI	N	200,000		
MINNESOTA				
CROOKSTON, MN	FDP			300,000
GREAT LAKES NAV SYST STUDY, MI, IL, IN, MN, NY, OH, PA & WI (SEE MICHIGAN) UPPER MISSISSIPPI RIVER RESTORATION, IL, IA, MN, MO & WI (SEE ILLINOIS)				
WILD RICE RIVER, RED RIVER OF THE NORTH BASIN, MN	E	271,000		

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
MISSOURI				
BLUE RIVER CHANNEL, KANSAS CITY, MO	FDP			1,700,000
CLEARWATER LAKE, MO (SEEPAGE CONTROL)	FDP			25,000,000
KANSAS CITYS, MO & KS	FDP	262,000		
MISS RIVER BTWN THE OHIO AND MO RIVERS (REG WORKS), MO & IL	N			5,011,000
MISSOURI RIVER DEGRADATION, MO	N	88,000		
ST LOUIS FLOOD PROTECTION, MO	FDP			2,000,000
SWOPE PARK INDUSTRIAL AREA, KANSAS CITY, MO	FDP		138,000	
TURKEY CREEK BASIN, KS & MO (SEE KANSAS)				
UPPER MISSISSIPPI RIVER RESTORATION, IL, IA, MN, MO & WI (SEE ILLINOIS)				
MONTANA				
YELLOWSTONE RIVER CORRIDOR, MT	E	200,000		

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
NEBRASKA				
ANTELOPE CREEK, NE	FDP			4,828,000
NEW HAMPSHIRE				
MERRIMACK RIVER WATERSHED STUDY, NH & MA	E	200,000		
NEW JERSEY				
BARNEGAT INLET TO LITTLE EGG HARBOR INLET, NJ	SP			11,700,000
DELAWARE RIVER COMPREHENSIVE, NJ	FDP	290,000		
HUDSON - RARITAN ESTUARY, HACKENSACK MEADOWLANDS, NJ	E	204,000		
HUDSON - RARITAN ESTUARY, LOWER PASSAIC RIVER, NJ	E	200,000		
HUDSON - RARITAN ESTUARY, NY & NJ (SEE NEW YORK)				
NEW YORK AND NEW JERSEY HARBOR, NY & NJ (SEE NEW YORK)				
RARITAN RIVER BASIN, GREEN BROOK SUB-BASIN, NJ	FDP			10,000,000

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
NEW MEXICO				
ALAMOGORDO, NM	FDP			4,200,000
RIO GRANDE FLOODWAY, SAN ACACIA TO BOSQUE DEL APACHE, NM	FDP			800,000
NEW YORK				
ATLANTIC COAST OF NYC, ROCKAWAY INLET TO NORTON POINT, NY	SP			3,800,000
BUFFALO RIVER ENVIRONMENTAL DREDGING, NY	E	100,000		
FIRE ISLAND INLET TO MONTAUK POINT, NY	SP			2,150,000
GREAT LAKES NAV SYST STUDY, MI, IL, IN, MN, NY, OH, PA & WI (SEE MICHIGAN)				
HUDSON - RARITAN ESTUARY, NY & NJ	E	200,000		
NEW YORK AND NEW JERSEY HARBOR, NY & NJ	N			90,000,000

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
NORTH CAROLINA				
CURRITUCK SOUND, NC	E	150,000		
JOHN H KERR DAM AND RESERVOIR, VA & NC (SECTION 216) (SEE VIRGINIA)				
JOHN H KERR LAKE, VA & NC (SEE VIRGINIA)				
NEUSE RIVER BASIN, NC	FDP		200,000	
NORTH DAKOTA				
GARRISON DAM AND POWER PLANT, ND (REPLACEMENT)	Н			3,500,000
оню				
GREAT LAKES NAV SYST STUDY, MI, IL, IN, MN, NY, OH, PA & WI (SEE MICHIGAN)				
METROPOLITAN REGION OF CINCINNATI, DUCK CREEK, OH	FDP			4,000,000
ROBERT C BYRD LOCKS AND DAM, OHIO RIVER, WV & OH (SEE WEST VIRGINIA)				

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
OKLAHOMA				
CANTON LAKE, OK	FDP			21,200,000
OREGON				
COLUMBIA RIVER CHANNEL IMPROVEMENTS, OR & WA	N			36,000,000
COLUMBIA RIVER TREATY FISHING ACCESS SITES, OR & WA	Н			2,455,000
ELK CREEK LAKE, OR	FDP			3,120,000
LOWER COLUMBIA RIVER ECOSYSTEM RESTORATION, WA & OR (SEE WASHINGTON)				
WILLAMETTE RIVER FLOODPLAIN RESTORATION, OR	Е	240,000		

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
PENNSYLVANIA				
EMSWORTH L&D, OHIO RIVER, PA (STATIC INSTABILITY CORRECTION) N			25,800,000
GRAYS LANDING LOCK AND DAM, MONONGAHELA RIVER, PA	N			600,000
GREAT LAKES NAV SYST STUDY, MI, IL, IN, MN, NY, OH, PA & WI (SEE MICHIGAN)				
LOCKS AND DAMS 2, 3 AND 4, MONONGAHELA RIVER, PA	N			40,806,000
POINT MARION, LOCK AND DAM 8, MONONGAHELA RIVER, PA & WV	N			150,000
PUERTO RICO				
PORTUGUES AND BUCANA RIVERS, PR	FDP			45,000,000
RIO PUERTO NUEVO, PR	FDP			12,000,000
SOUTH CAROLINA				
EDISTO ISLAND, SC	SP	218,000		
RICHARD B RUSSELL DAM AND LAKE, GA & SC (SEE GEORGIA)				

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
TENNESSEE				
CENTER HILL DAM, TN (SEEPAGE CONTROL)	н			53,400,000
CHICKAMAUGA LOCK, TENNESSEE RIVER, TN	N			42,000,000
MILL CREEK WATERSHED, DAVIDSON COUNTY, TN	FDP	100,000		

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
TEXAS				
BRAYS BAYOU, HOUSTON, TX	FDP			5,382,000
BRAZOS ISLAND HARBOR, BROWNSVILLE CHANNEL, TX	N	400,000		
CORPUS CHRISTI SHIP CHANNEL, TX	N		150,000	
FREEPORT HARBOR, TX	N	400,000		
GIWW, HIGH ISLAND TO BRAZOS RIVER REALIGNMENTS, TX	N	200,000		
GIWW, HIGH ISLAND TO BRAZOS RIVER, TX	N		150,000	
GIWW, PORT O'CONNOR TO CORPUS CHRISTI BAY, TX	N	350,000		
GUADALUPE AND SAN ANTONIO RIVER BASINS, TX	E	223,000		
HOUSTON - GALVESTON NAVIGATION CHANNELS, TX	N			21,700,000
LOWER COLORADO RIVER BASIN, TX	E	425,000		
NUECES RIVER AND TRIBUTARIES, TX	E	250,000		
RIO GRANDE BASIN, TX	E	100,000		
SIMS BAYOU, HOUSTON, TX	FDP			23,465,000
UPPER TRINITY RIVER BASIN, TX	FDP		207,000	

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
VIRGINIA				
ELIZABETH RIVER, HAMPTON ROADS, VA	E		97,000	
JOHN H KERR DAM AND RESERVOIR, VA & NC (SECTION 216)	FDP	300,000		
JOHN H KERR DAM AND RESERVOIR, VA & NC (REPLACEMENT)	Н			14,000,000
LYNNHAVEN INLET, VA	E	175,000		
ROANOKE RIVER UPPER BASIN, HEADWATERS AREA, VA	FDP			1,075,000
WASHINGTON				
COLUMBIA RIVER CHANNEL IMPROVEMENTS, OR & WA (SEE OREGON)			
COLUMBIA RIVER TREATY FISHING ACCESS SITES, OR & WA (SEE OREGON)				
LOWER COLUMBIA RIVER ECOSYSTEM RESTORATION, WA & OR	E	100,000		1,500,000
MT ST HELENS SEDIMENT CONTROL, WA	FDP			1,410,000
MUD MOUNTAIN DAM, WA	FDP			1,000,000
PUGET SOUND NEARSHORE MARINE HABITAT RESTORATION, WA	E	400,000		

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
WEST VIRGINIA				
BLUESTONE LAKE, WV	FDP			12,000,000
MARMET LOCK, KANAWHA RIVER, WV	N			9,000,000
POINT MARION, LOCK AND DAM 8, MONONGAHELA RIVER, PA & WV (SEE PENNSYLVANIA)				
ROBERT C BYRD LOCKS AND DAM, OHIO RIVER, WV & OH	N			1,000,000
STONEWALL JACKSON LAKE, WV	FDP			900,000
WISCONSIN				
GREAT LAKES NAV SYST STUDY, MI, IL, IN, MN, NY, OH, PA & WI (SEE MICHIGAN)				
UPPER MISSISSIPPI RIVER RESTORATION, IL, IA, MN, MO & WI (SEE ILLINOIS)				

FLOOD CONTROL, MISSISSIPPI RIVER AND TRIBUTARIES

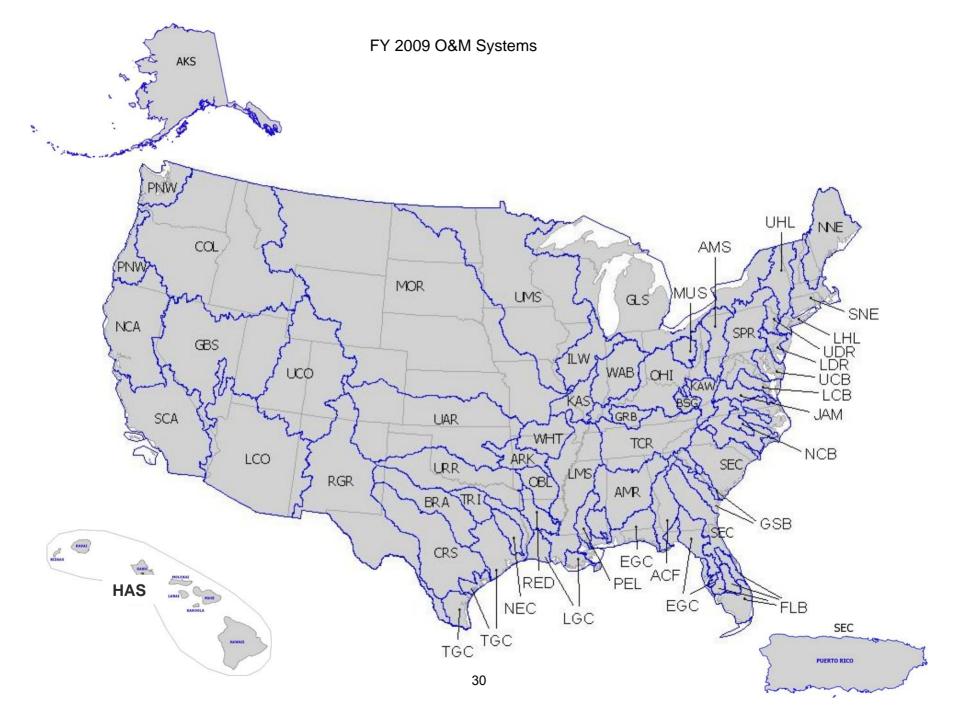
PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
ARKANSAS				
CHANNEL IMPROVEMENT, DIKES, AR, IL, KY, LA, MS, MO & TN	FDP/N			12,134,000
CHANNEL IMPROVEMENT, REVETMENT OPERATIONS, AR, IL, KY, LA, MS, MO & TN	FDP			33,089,000
MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN	FDP			20,000,000
ILLINOIS				
CHANNEL IMPROVEMENT, DIKES, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				
CHANNEL IMPROVEMENT, REVETMENT OPERATIONS, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				
MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				
KENTUCKY				
CHANNEL IMPROVEMENT, DIKES, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS) CHANNEL IMPROVEMENT, REVETMENT OPERATIONS, AR, IL, KY, LA,				
MS, MO & TN (SEE ARKANSAS) MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				

FLOOD CONTROL, MISSISSIPPI RIVER AND TRIBUTARIES

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
LOUISIANA				
ALEXANDRIA TO THE GULF, LA	FDP		790,000	
ATCHAFALAYA BASIN, FLOODWAY SYSTEM, LA	FDP	100,000		2,025,000
ATCHAFALAYA BASIN, LA	FDP			6,300,000
CHANNEL IMPROVEMENT, DIKES, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS) CHANNEL IMPROVEMENT, REVETMENT OPERATIONS, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				
MISSISSIPPI DELTA REGION, LA	FDP			2,259,000
MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				
MISSISSIPPI				
CHANNEL IMPROVEMENT, DIKES, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS) CHANNEL IMPROVEMENT, REVETMENT OPERATIONS, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				
COLDWATER RIVER BASIN BELOW ARKABUTLA LAKE, MS	FDP	125,000		
MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				

FLOOD CONTROL, MISSISSIPPI RIVER AND TRIBUTARIES

PROJECT	TYPE OF PROJECT	SURVEYS	PRECONSTRUCTION ENGINEERING & DESIGN	CONSTRUCTION
MISSOURI				
CHANNEL IMPROVEMENT, DIKES, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				
CHANNEL IMPROVEMENT, REVETMENT OPERATIONS, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				
MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				
TENNESSEE				
CHANNEL IMPROVEMENT, DIKES, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				
CHANNEL IMPROVEMENT, REVETMENT OPERATIONS, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				
MEMPHIS METRO AREA, STORM WATER MGMT STUDY, TN	FDP	34,000		
MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN (SEE ARKANSAS)				



System Codes and Names

ACF	Apalachicola-Chattahoochee & Flint Rivers (KAS	Kaskaskia River	RED	Red River
AKS	Alaska System	KAW	Kanawha River	RGR	Rio Grande System
AMR	Alabama - Mississippi Basin	LCB	Lower Chesapeake	SCA	Southern California System
AMS	Allegheny and Monongahela Rivers	LCO	Lower Colorado System	SEC	Southern East Coast
ARK	Arkansas River	LDR	Lower Delaware	SNE	Southern New England
BRA	Brazos River System	LGC	Louisiana Gulf Coast	SPR	Susquehanna and Potomac
BSG	Big Sandy River	LHL	Lower Hudson - Long Island	TCR	Tennessee and Cumberland Rivers
COL	Columbia River System	LMS	Lower Mississippi River	TGC	Texas Gulf Coast
CRS	Colorado River System	MOR	Missouri River	TRI	Trinity River System
EGC	Eastern Gulf Coast	MUS	Muskingum River	UAR	Upper Arkansas River
FLB	Florida Basins	NCA	Northern California System	UCB	Upper Chesapeake
GBS	Great Basin System	NCB	North Carolina Basins	UCO	Upper Colorado System
GLS	Great Lakes	NEC	Neches System	UDR	Upper Delaware
GRB	Green and Barren Rivers	NNE	Northern New England	UHL	Upper Hudson and Lake Champlain
GSB	Georgia - South Carolina Basins	OBL	Ouachita-Black Rivers	UMS	Upper Mississippi River
HAS	Hawaii System	OHI	Ohio River	URR	Upper Red River
ILW	Illinois Waterway	PEL	Pearl River	WAB	Wabash River
JAM	James River	PNW	Pacific Northwest System	WHT	White River

APPROPRIATION TITLE: Operation and Maintenance, FY 2009

\mathbf{SU}	MMARY	BY SYSTEM	
ACF - Apalachicola-Chattahoochee and Flint Rivers	36,392	MUS - Muskingum River	10,471
AKS - Alaska System	24,024	NCA - Northern California System	67,926
AMR - Alabama - Mississippi Basin	78,172	NCB - North Carolina Basins	51,183
AMS - Allegheny and Monongahela Rivers	45,799	NEC - Neches System	8,555
ARK - Arkansas River	61,577	NNE - Northern New England	5,272
BRA - Brazos River System	28,483	OBL - Ouachita-Black Rivers	27,800
BSG - Big Sandy River	12,569	OHI - Ohio River	154,206
COL - Columbia River System	238,642	PEL - Pearl River	193
CRS - Colorado River System	2,386	PNW - Pacific Northwest System	58,182
EGC - Eastern Gulf Coast	42,539	RED - Red River	17,633
FLB - Florida Basins	22,841	RGR - Rio Grande System	10,316
GBS - Great Basin System	1,004	SCA - Southern California System	37,892
GLS - Great Lakes	104,725	SEC - Southern East Coast	72,438
GRB - Green and Barren Rivers	17,804	SNE - Southern New England	38,911
GSB - Georgia- South Carolina Basins	32,029	SPR - Susquehanna and Potomac	16,548
HAS - Hawaii System	1,396	TCR - Tennessee and Cumberland Rivers	83,496
ILW - Illinois Waterway	39,466	TGC - Texas Gulf Coast	101,571
JAM - James River	5,689	TRI - Trinity River System	23,352
KAS - Kaskaskia River	15,389	UAR - Upper Arkansas River	43,320
KAW - Kanawha River	15,173	UCB - Upper Chesapeake	28,614
LCB - Lower Chesapeake	17,402	UCO - Upper Colorado System	648
LCO - Lower Colorado System	3,098	UDR - Upper Delaware	3,290
LDR - Lower Delaware	45,352	UHL - Upper Hudson and Lake Champlain	2,730
LGC - Louisiana Gulf Coast	39,472	UMS - Upper Mississippi River	185,910
LHL - Lower Hudson - Long Island	34,293	URR - Upper Red River	35,734
LMS - Lower Mississippi River	72,337	WAB - Wabash River	11,465
MOR - Missouri River	179,913	WHT - White River	32,968
		Subtotal	2,348,590
		Remaining Items	126,140
	1	Grand Total for O&M	2,474,730

System: ACF - Apalachicola-Chattahoochee and Flint Rivers

ALABAMA

WALTER F GEORGE LOCK AND DAM, AL & GA

FLORIDA

JIM WOODRUFF LOCK AND DAM, LAKE SEMINOLE, FL, AL & GA

GEORGIA

APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA, AL & FL BUFORD DAM AND LAKE SIDNEY LANIER, GA WEST POINT DAM AND LAKE, GA AND AL

Based on current estimates, the Corps would allocate the funding requested for operation, maintenance, and rehabilitation in the system by business line as follows (dollars in thousands):

Commercial Navigation	4,215
Environmental Stewardship	1,915
Flood and Coastal Storm Damage Reduction	1,081
Hydropower	17,112
Recreation	12,069
Total	36,392

System: AKS - Alaska System

ALASKA

ANCHORAGE HARBOR, AK
CHENA RIVER LAKES, AK
DILLINGHAM HARBOR, AK
HOMER HARBOR, AK
INSPECTION OF COMPLETED WORKS, AK
NINILCHIK HARBOR, AK
NOME HARBOR, AK
PROJECT CONDITION SURVEYS, AK

Based on current estimates, the Corps would allocate the funding requested for operation, maintenance, and rehabilitation in the system by business line as follows (dollars in thousands):

Commercial Navigation	20,741
Environmental Stewardship	236
Flood and Coastal Storm Damage Reduction	2,692
Recreation	355
Total	24,024

System: AMR - Alabama - Mississippi Basin

ALABAMA

ALABAMA - COOSA COMPREHENSIVE WATER STUDY, AL ALABAMA RIVER LAKES, AL BLACK WARRIOR AND TOMBIGBEE RIVERS, AL INSPECTION OF COMPLETED WORKS, AL SCHEDULING RESERVOIR OPERATIONS, AL TENNESSEE - TOMBIGBEE WATERWAY WILDLIFE MITIGATION, AL & MS TENNESSEE - TOMBIGBEE WATERWAY, AL & MS

GEORGIA

ALLATOONA LAKE, GA CARTERS DAM AND LAKE, GA

MISSISSIPPI

EAST FORK, TOMBIGBEE RIVER, MS INSPECTION OF COMPLETED WORKS, MS OKATIBBEE LAKE, MS

Based on current estimates, the Corps would allocate the funding requested for operation, maintenance, and rehabilitation in the system by business line as follows (dollars in thousands):

Commercial Navigation	35,808
Environmental Stewardship	5,752
Flood and Coastal Storm Damage Reduction	2,435
Hydropower	16,639
Recreation	17,163
Water Supply	375
Total	78,172

System: AMS - Allegheny and Monongahela Rivers

NEW YORK

INSPECTION OF COMPLETED WORKS, NY

PENNSYLVANIA

ALLEGHENY RIVER, PA
CONEMAUGH RIVER LAKE, PA
CROOKED CREEK LAKE, PA
EAST BRANCH CLARION RIVER LAKE, PA
INSPECTION OF COMPLETED WORKS, PA
JOHNSTOWN, PA
KINZUA DAM AND ALLEGHENY RESERVOIR, PA
LOYALHANNA LAKE, PA
MAHONING CREEK LAKE, PA
MONONGAHELA RIVER, PA
PUNXSUTAWNEY, PA
TIONESTA LAKE, PA
UNION CITY LAKE, PA
WOODCOCK CREEK LAKE, PA
YOUGHIOGHENY RIVER LAKE, PA AND MD

WEST VIRGINIA

ELKINS, WV INSPECTION OF COMPLETED WORKS, WV STONEWALL JACKSON LAKE, WV TYGART LAKE, WV

Commercial Navigation	18,950
Environmental Stewardship	434
Flood and Coastal Storm Damage Reduction	23,606
Hydropower	95
Recreation	2,654
Water Supply	60
Total	45,799

System: ARK - Arkansas River

ARKANSAS

BLUE MOUNTAIN LAKE, AR
DARDANELLE LOCK & DAM, AR
INSPECTION OF COMPLETED WORKS, AR
MCCLELLAN-KERR ARKANSAS RIVER NAVIGATION SYSTEM, AR
NIMROD LAKE, AR
OZARK - JETA TAYLOR LOCK AND DAM, AR

COLORADO

JOHN MARTIN RESERVOIR, CO TRINIDAD LAKE, CO

NEW MEXICO

CONCHAS LAKE, NM

OKLAHOMA

HEYBURN LAKE, OK MCCLELLAN-KERR ARKANSAS RIVER NAVIGATION SYSTEM, OK WEBBERS FALLS LOCK AND DAM, OK WISTER LAKE, OK

Commercial Navigation	36,370
Environmental Stewardship	1,827
Flood and Coastal Storm Damage Reduction	6,012
Hydropower	6,710
Recreation	10,618
Water Supply	40
Total	61,577

System: BRA - Brazos River System

TEXAS

AQUILLA LAKE, TX
BELTON LAKE, TX
GRANGER DAM AND LAKE, TX
NORTH SAN GABRIEL DAM AND LAKE GEORGETOWN, TX
PROCTOR LAKE, TX
SOMERVILLE LAKE, TX
STILLHOUSE HOLLOW DAM, TX
TEXAS WATER ALLOCATION ASSESSMENT, TX
WACO LAKE, TX
WHITNEY LAKE, TX

Environmental Stewardship	1,443
Flood and Coastal Storm Damage Reduction	14,769
Hydropower	1,430
Recreation	10,495
Water Supply	346
Total	28,483

System: BSG - Big Sandy River

KENTUCKY

BIG SANDY HARBOR, KY DEWEY LAKE, KY FISHTRAP LAKE, KY INSPECTION OF COMPLETED WORKS, KY PAINTSVILLE LAKE, KY YATESVILLE LAKE, KY

VIRGINIA

JOHN W FLANNAGAN DAM AND RESERVOIR, VA NORTH FORK OF POUND RIVER LAKE, VA

WEST VIRGINIA

INSPECTION OF COMPLETED WORKS, WV R D BAILEY LAKE, WV

Total	12,569
Water Supply	37
Recreation	3,141
Flood and Coastal Storm Damage Reduction	7,870
Environmental Stewardship	271
Commercial Navigation	1,250

System: COL - Columbia River System

IDAHO

ALBENI FALLS DAM, ID DWORSHAK DAM AND RESERVOIR, ID INSPECTION OF COMPLETED WORKS, ID LUCKY PEAK LAKE, ID SCHEDULING RESERVOIR OPERATIONS, ID

MONTANA

LIBBY DAM, MT

OREGON

BLUE RIVER LAKE, OR

BONNEVILLE LOCK AND DAM, OR & WA

COLUMBIA & LWR WILLAMETTE R BLW VANCOUVER, WA & PORTLAND, OR

COLUMBIA RIVER AT THE MOUTH, OR & WA

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR

COLUMBIA RIVER FISH MITIGATION, WA, OR & ID

COTTAGE GROVE LAKE, OR

COUGAR LAKE, OR

DETROIT LAKE, OR

DORENA LAKE, OR

FALL CREEK LAKE, OR

FERN RIDGE LAKE, OR

GREEN PETER - FOSTER LAKES, OR

HILLS CREEK LAKE, OR

INSPECTION OF COMPLETED ENVIRONMENTAL PROJECTS

INSPECTION OF COMPLETED WORKS, OR

JOHN DAY LOCK AND DAM, OR & WA

LOOKOUT POINT LAKE, OR

MCNARY LOCK AND DAM, OR & WA

PROJECT CONDITION SURVEYS, OR

Based on current estimates, the Corps would allocate the funding requested for operation, maintenance, and rehabilitation in the system by business line as follows (dollars in thousands):

Commercial Navigation	89,871
Environmental Restoration	43
Environmental Stewardship	16,233
Flood and Coastal Storm Damage Reduction	44,317
Hydropower	70,312
Recreation	15,456
Water Supply	2,410
Total	238,642

OREGON, continued

SCHEDULING RESERVOIR OPERATIONS, OR

SKIPANON CHANNEL, OR

SURVEILLANCE OF NORTHERN BOUNDARY WATERS, OR

WIILLAMETTE RIVER TEMPERATURE CONTROL, OR

WILLAMETTE RIVER AT WILLAMETTE FALLS, OR

WILLAMETTE RIVER BANK PROTECTION, OR

WILLOW CREEK LAKE, OR

WASHINGTON

CHIEF JOSEPH DAM GAS ABATEMENT, WA

CHIEF JOSEPH DAM, WA

COLUMBIA RIVER AT BAKER BAY, WA & OR

COLUMBIA RIVER BETWEEN CHINOOK AND SAND ISLAND, WA

ICE HARBOR LOCK AND DAM, WA

INSPECTION OF COMPLETED WORKS, WA

LITTLE GOOSE LOCK AND DAM, WA

LOWER GRANITE LOCK AND DAM, WA

LOWER MONUMENT LOCK AND DAM, WA

LOWER SNAKE RIVER FISH & WILDLIFE COMPENSATION, WA, OR & ID

MILL CREEK LAKE, WA

MT ST HELENS SEDIMENT CONTROL, WA

THE DALLES LOCK AND DAM, WA & OR

WYOMING

INSPECTION OF COMPLETED WORKS, WY

JACKSON HOLE LEVEES, WY

System: CRS - Colorado River System

TEXAS

HORDS CREEK LAKE, TX O C FISHER DAM AND LAKE, TX

Environmental Stewardship	114
Flood and Coastal Storm Damage Reduction	1,482
Recreation	766
Water Supply	24
Total	2,386

System: EGC - Eastern Gulf Coast

ALABAMA

GULF INTRACOASTAL WATERWAY, AL MOBILE HARBOR, AL PROJECT CONDITION SURVEYS, AL WATER/ENVIRONMENTAL CERTIFICATION, AL

FLORIDA

ESCAMBIA AND CONECUH RIVERS, FL
MANATEE HARBOR, FL
PANAMA CITY HARBOR, FL
PENSACOLA HARBOR, FL
PROJECT CONDITION SURVEYS, FL
TAMPA HARBOR, FL
WATER/ENVIRONMENTAL CERTIFICATION, FL

MISSISSIPPI

GULFPORT HARBOR, MS
PASCAGOULA HARBOR, MS
PROJECT CONDITION SURVEYS, MS
WATER/ENVIRONMENTAL CERTIFICATION, MS

Commercial Navigation	42,539
Total	42,539

System: FLB - Florida Basins

FLORIDA

CENTRAL & SOUTHERN FLORIDA, FL
INSPECTION OF COMPLETED WORKS, FL
OKEECHOBEE WATERWAY, FL
REMOVAL OF AQUATIC GROWTH
SOUTH FLORIDA EVERGLADES ECOSYSTEM RESTORATION, FL

Commercial Navigation	8,475
Environmental Restoration	357
Environmental Stewardship	906
Flood and Coastal Storm Damage Reduction	11,558
Recreation	1,545
Total	22,841

System: GBS - Great Basin System

NEVADA

INSPECTION OF COMPLETED WORKS, NV PINE AND MATHEWS CANYONS LAKES, NV

UTAH

INSPECTION OF COMPLETED WORKS, UT SCHEDULING RESERVOIR OPERATIONS, UT

Environmental Stewardship	52
Flood and Coastal Storm Damage Reduction	952
Total	1,004

System: GLS - Great Lakes

ILLINOIS

CALUMET HARBOR AND RIVER, IL & IN CHICAGO HARBOR, IL CHICAGO RIVER, IL INSPECTION OF COMPLETED WORKS, IL LAKE MICHIGAN DIVERSION, IL PROJECT CONDITION SURVEYS, IL SURVEILLANCE OF NORTHERN BOUNDARY WATERS, IL WAUKEGAN HARBOR, IL

INDIANA

BURNS WATERWAY HARBOR, IN
INDIANA HARBOR, CONFINED DISPOSAL FACILITY, IN
INDIANA HARBOR, IN
INSPECTION OF COMPLETED WORKS, IN
PROJECT CONDITION SURVEYS, IN
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, IN

MICHIGAN

CHANNELS IN LAKE ST CLAIR, MI CHARLEVOIX HARBOR, MI DETROIT RIVER, MI GRAND HAVEN HARBOR, MI GRAYS REEF PASSAGE, MI HOLLAND HARBOR, MI INSPECTION OF COMPLETED WORKS, MI KEWEENAW WATERWAY, MI LUDINGTON HARBOR, MI MONROE HARBOR, MI MUSKEGON HARBOR, MI ONTONAGON HARBOR, MI PRESOUE ISLE HABROR, MI PROJECT CONDITION SURVEYS, MI ROUGE RIVER, MI SAGINAW RIVER, MI SEBEWAING RIVER, MI ST CLAIR RIVER, MI ST JOSEPH HARBOR, MI ST MARYS RIVER, MI SURVEILLANCE OF NORTHERN BOUNDARY WATERS, MI

MINNESOTA

DULUTH - SUPERIOR HARBOR, MN & WI INSPECTION OF COMPLETED WORKS, MN PROJECT CONDITION SURVEYS, MN SURVEILLANCE OF NORTHERN BOUNDARY WATERS, MN TWO HARBORS, MN

NEW YORK

BLACK ROCK CHANNEL AND TONAWANDA HARBOR, NY
BUFFALO HARBOR, NY
INSPECTION OF COMPLETED WORKS, NY
LITTLE SODUS BAY HARBOR, NY
MOUNT MORRIS DAM, NY
PROJECT CONDITION SURVEYS, NY
ROCHESTER HARBOR, NY
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, NY

OHIO

ASHTABULA HARBOR, OH
CLEVELAND HARBOR, OH
CONNEAUT HARBOR, OH
FAIRPORT HARBOR, OH
HURON HARBOR, OH
INSPECTION OF COMPLETED WORKS, OH
LORAIN HARBOR, OH
PROJECT CONDITION SURVEYS, OH
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, OH
TOLEDO HARBOR, OH

PENNSYLVANIA

INSPECTION OF COMPLETED WORKS, PA PROJECT CONDITION SURVEYS, PA SURVEILLANCE OF NORTHERN BOUNDARY WATERS, PA

System: GLS - Great Lakes, continued

WISCONSIN

FOX RIVER, WI
GREEN BAY HARBOR, WI
INSPECTION OF COMPLETED WORKS, WI
MILWAUKEE HARBOR, WI
PROJECT CONDITION SURVEYS, WI
STURGEON BAY HARBOR AND LAKE MICHIGAN SHIP CANAL, WI
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, WI

Commercial Navigation	89,286
Environmental Stewardship	282
Flood and Coastal Storm Damage Reduction	12,297
Hydropower	1,840
Recreation	1,020
Total	104,725

System: GRB - Green and Barren Rivers

KENTUCKY

BARREN RIVER LAKE, KY
GREEN AND BARREN RIVERS, KY
GREEN RIVER LAKE, KY
GREEN RIVER, KY
INSPECTION OF COMPLETED WORKS, KY
NOLIN LAKE, KY
ROUGH RIVER LAKE, KY

Commercial Navigation	2,683
Environmental Stewardship	603
Flood and Coastal Storm Damage Reduction	12,117
Recreation	2,361
Water Supply	40
Total	17,804

System: GSB - Georgia- South Carolina Basins

GEORGIA

HARTWELL LAKE, GA & SC
INSPECTION OF COMPLETED ENVIRONMENTAL PROJECTS
INSPECTION OF COMPLETED WORKS, GA
J STROM THURMOND LAKE, GA & SC
RICHARD B RUSSELL DAM AND LAKE, GA & SC
SAVANNAH RIVER BELOW AUGUSTA, GA

Commercial Navigation	333
Environmental Restoration	63
Environmental Stewardship	2,704
Flood and Coastal Storm Damage Reduction	677
Hydropower	17,612
Recreation	10,415
Water Supply	225
Total	32,029

System: HAS - Hawaii System

HAWAII

BARBERS POINT HARBOR, HI INSPECTION OF COMPLETED WORKS, HI PROJECT CONDITION SURVEYS, HI

Commercial Navigation	537
Flood and Coastal Storm Damage Reduction	659
Recreation	200
Total	1,396

System: ILW - Illinois Waterway

ILLINOIS

FARM CREEK RESERVOIRS, IL ILLINOIS WATERWAY, IL & IN INSPECTION OF COMPLETED WORKS, IL

Commercial Navigation	37,215
Environmental Stewardship	225
Flood and Coastal Storm Damage Reduction	1,345
Recreation	681
Total	39,466

System: JAM - James River

VIRGINIA

GATHRIGHT DAM AND LAKE MOOMAW, VA JAMES RIVER CHANNEL, VA

Commercial Navigation	3,667
Flood and Coastal Storm Damage Reduction	2,022
Total	5,689

System: KAS - Kaskaskia River

ILLINOIS

CARLYLE LAKE, IL KASKASKIA RIVER NAVIGATION, IL LAKE SHELBYVILLE, IL REND LAKE, IL

Commercial Navigation	1,553
Environmental Stewardship	1,823
Flood and Coastal Storm Damage Reduction	4,527
Recreation	7,333
Water Supply	153
Total	15,389

System: KAW - Kanawha River

WEST VIRGINIA

BLUESTONE LAKE, WV INSPECTION OF COMPLETED WORKS, WV KANAWHA RIVER LOCKS AND DAMS, WV SUMMERSVILLE LAKE, WV SUTTON LAKE, WV

Commercial Navigation	9,310
Environmental Stewardship	119
Flood and Coastal Storm Damage Reduction	3,813
Recreation	1,911
Water Supply	20
Total	15,173

System: LCB - Lower Chesapeake

VIRGINIA

ATLANTIC INTRACOASTAL WATERWAY - ACC, VA
ATLANTIC INTRACOASTAL WATERWAY - DSC, VA
CHINCOTEAGUE HARBOR OF REFUGE, VA
CHINCOTEAGUE INLET, VA
HAMPTON RDS, NORFOLK & NEWPORT NEWS HBR, VA (DRIFT REMOVAL)
INSPECTION OF COMPLETED WORKS, VA
LYNNHAVEN INLET, VA
NORFOLK HARBOR, VA
PROJECT CONDITION SURVEYS, VA
RUDEE INLET, VA
WATER/ENVIRONMENTAL CERTIFICATION, VA
WATERWAY ON THE COAST OF VIRGINIA, VA
YORK RIVER, VA

Commercial Navigation	16,612
Flood and Coastal Storm Damage Reduction	790
Total	17,402

System: LCO - Lower Colorado System

ARIZONA

ALAMO LAKE, AZ INSPECTION OF COMPLETED WORKS, AZ PAINTED ROCK DAM, AZ SCHEDULING RESERVOIR OPERATIONS, AZ WHITLOW RANCH DAM, AZ

Environmental Stewardship	134
Flood and Coastal Storm Damage Reduction	2,921
Recreation	43
Total	3,098

System: LDR - Lower Delaware

DELAWARE

DELAWARE BAY COASTLINE, ROOSEVELT INLET TO LEWES BEACH, DE INTRACOASTAL WATERWAY, DELAWARE R TO CHESAPEAKE BAY, DE & MC INTRACOASTAL WATERWAY, REHOBOTH BAY TO DELAWARE BAY, DE MISPILLION RIVER, DE MURDERKILL RIVER, DE PROJECT CONDITION SURVEYS, DE WILMINGTON HARBOR, DE

NEW JERSEY

BARNEGAT INLET, NJ
CAPE MAY INLET TO LOWER TOWNSHIP, NJ
COLD SPRING INLET, NJ
DELAWARE RIVER AT CAMDEN, NJ
DELAWARE RIVER, PHILADELPHIA TO THE SEA, NJ, PA & DE
DELAWARE RIVER, PHILADELPHIA, PA TO TRENTON, NJ
INSPECTION OF COMPLETED WORKS, NJ
LOWER CAPE MAY MEADOWS, CAPE MAY POINT, NJ
MANASQUAN RIVER, NJ
NEW JERSEY INTRACOASTAL WATERWAY, NJ
SALEM RIVER, NJ

PENNSYLVANIA

BLUE MARSH LAKE, PA INSPECTION OF COMPLETED WORKS, PA SCHUYLKILL RIVER, PA

Commercial Navigation	42,516
Environmental Stewardship	300
Flood and Coastal Storm Damage Reduction	826
Recreation	1,710
Total	45,352

System: LGC - Louisiana Gulf Coast

LOUISIANA

BARATARIA BAY WATERWAY, LA
BAYOU LAFOURCHE AND LAFOURCHE JUMP WATERWAY, LA
BAYOU SEGNETTE WATERWAY, LA
BAYOU TECHE AND VERMILION RIVER, LA
CALCASIEU RIVER AND PASS, LA
FRESHWATER BAYOU, LA
GULF INTRACOASTAL WATERWAY, LA
HOUMA NAVIGATION CANAL, LA
MERMENTAU RIVER, LA
WATERWAY FROM EMPIRE TO THE GULF, LA
WATERWAY FROM INTRACOASTAL WATERWAY TO B DULAC, LA

Commercial Navigation	39,165
Flood and Coastal Storm Damage Reduction	256
Recreation	51
Total	39,472

System: LHL - Lower Hudson - Long Island

NEW JERSEY

NEWARK BAY, HACKENSACK AND PASSAIC RIVERS, NJ PROJECT CONDITION SURVEYS, NJ RARITAN AND SANDY HOOKS BAYS, LEONARD, NJ RARITAN RIVER TO ARTHUR KILL CUT-OFF, NJ RARITAN RIVER, NJ SHARK RIVER, NJ SHOAL HARBOR AND COMPTON CREEK, NJ SHREWSBURY RIVER, MAIN CHANNEL, NJ

NEW YORK

BRONX RIVER, NY

BUTTERMILK CHANNEL, NY

EAST RIVER, NY

EAST ROCKAWAY INLET, NY

EASTCHESTER CREEK, NY

FIRE ISLAND INLET TO JONES INLET, NY

FLUSHING BAY AND CREEK, NY

GREAT SOUTH BAY, NY

HUDSON RIVER CHANNEL, NY

INSPECTION OF COMPLETED WORKS, NY

JAMAICA BAY, NY

JONES INLET, NY

LAKE MONTAUK HARBOR, NY

LONG ISLAND INTRACOASTAL WATERWAY, NY

MATTITUCK HARBOR, NY

MORICHES INLET, NY

NEW YORK AND NEW JERSEY CHANNELS, NY

NEW YORK HARBOR, NY

NEW YORK HARBOR, NY & NJ (DRIFT REMOVAL)

NEW YORK HARBOR, NY & NJ (PREVENTION OF OBSTRUCTIVE DEPOSITS)

NEWTOWN CREEK, NY

PORTCHESTER HARBOR, NY

PROJECT CONDITION SURVEYS, NY

SHINNECOCK INLET, NY

WESTCHESTER CREEK, NY

Commercial Navigation	33,998
Flood and Coastal Storm Damage Reduction	295
Total	34,293

System: LMS - Lower Mississippi River

ARKANSAS

HELENA HARBOR, PHILLIPS COUNTY, AR INSPECTION OF COMPLETED WORKS, AR OSCEOLA HARBOR, AR PROJECT CONDITION SURVEYS, AR YELLOW BEND PORT, AR

ILLINOIS

INSPECTION OF COMPLETED WORKS, IL PROJECT CONDITION SURVEYS, IL

KENTUCKY

ELVIS STAHR (HICKMAN) HARBOR, KY INSPECTION OF COMPLETED WORKS, KY PROJECT CONDITION SURVEYS, KY

LOUISIANA

ATCHAFALAYA RIVER AND BAYOUS CHENE, BOEUF & BLACK, LA BAYOU TECHE, LA INSPECTION OF COMPLETED WORKS, LA LAKE PROVIDENCE HARBOR, LA MADISON PARISH PORT, LA MISSISSIPPI RIVER OUTLETS AT VENICE, LA MISSISSIPPI RIVER, BATON ROUGE TO THE GULF OF MEXICO, LA REMOVAL OF AQUATIC GROWTH

Based on current estimates, the Corps would allocate the funding requested for operation, maintenance, and rehabilitation in the system by business line as follows (dollars in thousands):

Commercial Navigation	69,706
Flood and Coastal Storm Damage Reduction	2,631
Total	72,337

MISSISSIPPI

CLAIBORNE COUNTY PORT, MS
INSPECTION OF COMPLETED WORKS, MS
MOUTH OF YAZOO RIVER, MS
PROJECT CONDITION SURVEYS, MS
ROSEDALE HARBOR, MS
YAZOO RIVER, MS

MISSOURI

CARUTHERSVILLE HARBOR, MO INSPECTION OF COMPLETED WORKS, MO NEW MADRID HARBOR, MO PROJECT CONDITION SURVEYS, MO

TENNESSEE

INSPECTION OF COMPLETED WORKS, TN PROJECT CONDITION SURVEYS, TN WOLF RIVER HARBOR, TN

System: MOR - Missouri River

COLORADO

BEAR CREEK LAKE, CO CHATFIELD LAKE, CO CHERRY CREEK LAKE, CO INSPECTION OF COMPLETED WORKS, CO

IOWA

INSPECTION OF COMPLETED WORKS, IA
MISSOURI R FISH AND WILDLIFE RECOVERY, IA, KS, MO, MT, NE, ND & SD
MISSOURI RIVER - KENSLERS BEND, NE TO SIOUX CITY, IA
MISSOURI RIVER - SIOUX CITY TO THE MOUTH, IA,KS,MO & NE
RATHBUN LAKE, IA

KANSAS

CLINTON LAKE, KS
HILLSDALE LAKE, KS
KANOPOLIS LAKE, KS
MELVERN LAKE, KS
MILFORD LAKE, KS
PERRY LAKE, KS
POMONA LAKE, KS
TUTTLE CREEK LAKE, KS
WILSON LAKE, KS

MISSOURI

HARRY S TRUMAN DAM AND RESERVOIR, MO INSPECTION OF COMPLETED WORKS, MO LITTLE BLUE RIVER LAKES, MO LONG BRANCH LAKE, MO POMME DE TERRE LAKE, MO SCHEDULING RESERVOIR OPERATIONS, MO SMITHVILLE LAKE, MO STOCKTON LAKE, MO

MONTANA

FT PECK DAM AND LAKE, MT INSPECTION OF COMPLETED WORKS, MT SCHEDULING RESERVOIR OPERATIONS, MT

NEBRASKA

GAVINS POINT DAM, LEWIS AND CLARK LAKE, NE & SD HARLAN COUNTY LAKE, NE INSPECTION OF COMPLETED WORKS, NE PAPILLION CREEK, NE SALT CREEK AND TRIBUTARIES, NE

NORTH DAKOTA

BOWMAN HALEY, ND GARRISON DAM, LAKE SAKAKAWEA, ND INSPECTION OF COMPLETED WORKS, ND PIPESTEM LAKE, ND SCHEDULING RESERVOIR OPERATIONS, ND

SOUTH DAKOTA

BIG BEND DAM, LAKE SHARPE, SD COLD BROOK LAKE, SD COTTONWOOD SPRINGS LAKE, SD FORT RANDALL DAM, LAKE FRANCIS CASE, SD INSPECTION OF COMPLETED WORKS, SD OAHE DAM, LAKE OAHE, SD & ND SCHEDULING RESERVOIR OPERATIONS, SD

System: MOR - Missouri River, continued

WYOMING

INSPECTION OF COMPLETED WORKS, WY SCHEDULING RESERVOIR OPERATIONS, WY

Commercial Navigation	29,890
Environmental Stewardship	11,221
Flood and Coastal Storm Damage Reduction	52,554
Hydropower	67,048
Recreation	19,109
Water Supply	91
Total	179,913

System: MUS - Muskingum River

ОНЮ

DILLON LAKE, OH
INSPECTION OF COMPLETED WORKS, OH
MASSILLON LOCAL PROTECTION PROJECT, OH
MUSKINGUM RIVER LAKES, OH
NORTH BRANCH KOKOSING RIVER LAKE, OH
ROSEVILLE LOCAL PROTECTION PROJECT, OH

Environmental Stewardship	57
Flood and Coastal Storm Damage Reduction	10,016
Recreation	398
Total	10,471

System: NCA - Northern California System

CALIFORNIA

BLACK BUTTE LAKE, CA

BUCHANAN DAM, HV EASTMAN LAKE, CA

COYOTE VALLEY DAM, LAKE MENDOCINO, CA

DRY CREEK (WARM SPRINGS) LAKE & CHANNEL, CA

FARMINGTON DAM, CA

HIDDEN DAM, HENSLEY LAKE, CA

HUMBOLDT HARBOR AND BAY, CA

INSPECTION OF COMPLETED WORKS, CA

MARTIS CREEK LAKE, CA & NV

MERCED COUNTY STREAMS, CA

NEW HOGAN LAKE, CA

NEW MELONES LAKE, DOWNSTREAM CHANNEL, CA

OAKLAND HARBOR, CA

PROJECT CONDITION SURVEYS, CA

RICHMOND HARBOR, CA

SACRAMENTO RIVER (30 FOOT PROJECT), CA

SACRAMENTO RIVER AND TRIBUTARIES (DEBRIS CONTROL), CA

SACRAMENTO RIVER SHALLOW DRAFT CHANNEL, CA

SAN FRANCISCO BAY, DELTA MODEL STRUCTURE, CA

SAN FRANCISCO HARBOR AND BAY, CA (DRIFT REMOVAL)

SAN FRANCISCO HARBOR, CA

SAN JOAQUIN RIVER, PORT OF STOCKTON, CA

SAN PABLO BAY AND MARE ISLAND STRAIT, CA

SCHEDULING RESERVOIR OPERATIONS, CA

SUISUN BAY CHANNEL, CA

YUBA RIVER, CA

thousands):

Commercial Navigation	42,273
Environmental Stewardship	2,861
Flood and Coastal Storm Damage Reduction	11,668
Recreation	11,124
Total	67,926

System: NCB - North Carolina Basins

NORTH CAROLINA

ATLANTIC INTRACOASTAL WATERWAY, NC
B EVERETT JORDAN DAM AND LAKE, NC
CAPE FEAR RIVER ABOVE WILMINGTON, NC
FALLS LAKE, NC
INSPECTION OF COMPLETED WORKS, NC
MANTEO (SHALLOWBAG) BAY, NC
MASONBORO INLET AND CONNECTING CHANNELS, NC
MOREHEAD CITY HARBOR, NC
NEW RIVER INLET, NC
PROJECT CONDITION SURVEYS, NC
ROLLINSON CHANNEL, NC
SILVER LAKE HARBOR, NC
W KERR SCOTT DAM AND RESERVOIR, NC
WILMINGTON HARBOR, NC

VIRGINIA

JOHN H KERR LAKE, VA & NC PHILPOTT LAKE, VA & NC

Commercial Navigation	25,955
Environmental Stewardship	1,511
Flood and Coastal Storm Damage Reduction	5,587
Hydropower	10,572
Recreation	7,558
Total	51,183

System: NEC - Neches System

TEXAS

SAM RAYBURN DAM AND RESERVOIR, TX TOWN BLUFF DAM, B A STEINHAGEN LAKE, TX

Environmental Stewardship	657
Flood and Coastal Storm Damage Reduction	2,812
Hydropower	2,796
Recreation	2,232
Water Supply	58
Total	8,555

System: NNE - Northern New England

MAINE

DISPOSAL AREA MONITORING, ME
INSPECTION OF COMPLETED WORKS, ME
PORTLAND HARBOR, ME
PROJECT CONDITION SURVEYS, ME
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, ME

NEW HAMPSHIRE

BLACKWATER DAM, NH
EDWARD MACDOWELL LAKE, NH
FRANKLIN FALLS DAM, NH
HOPKINTON - EVERETT LAKES, NH
INSPECTION OF COMPLETED WORKS, NH
PROJECT CONDITION SURVEYS, NH

VERMONT

INSPECTION OF COMPLETED WORKS, VT

Commercial Navigation	2,350
Environmental Stewardship	332
Flood and Coastal Storm Damage Reduction	2,223
Recreation	367
Total	5,272

System: OBL - Ouachita-Black Rivers

ARKANSAS

BLAKELY MT DAM, LAKE OUACHITA, AR DEGRAY LAKE, AR NARROWS DAM, LAKE GREESON, AR OUACHITA AND BLACK RIVERS, AR AND LA

Commercial Navigation	6,763
Environmental Stewardship	788
Flood and Coastal Storm Damage Reduction	3,018
Hydropower	7,509
Recreation	9,722
Total	27,800

System: OHI - Ohio River

ILLINOIS

INSPECTION OF COMPLETED WORKS, IL

INDIANA

BROOKVILLE LAKE, IN

INSPECTION OF COMPLETED WORKS, IN

KENTUCKY

BUCKHORN LAKE, KY
CARR CREEK LAKE, KY
CAVE RUN LAKE, KY
GRAYSON LAKE, KY
INSPECTION OF COMPLETED WORKS, KY
KENTUCKY RIVER, KY
MARKLAND LOCKS AND DAM, KY & IN (MAJOR REHAB)
OHIO RIVER LOCKS AND DAMS, KY, IL, IN & OH
OHIO RIVER OPEN CHANNEL WORK, KY, IL, IN & OH
TAYLORSVILLE LAKE, KY

OHIO

ALUM CREEK LAKE, OH BERLIN LAKE, OH CAESAR CREEK LAKE, OH CLARENCE J BROWN DAM, OH

Based on current estimates, the Corps would allocate the funding requested for operation, maintenance, and rehabilitation in the system by business line as follows (dollars in thousands):

Total	154.206
Water Supply	232
Recreation	7,765
Hydropower	5
Flood and Coastal Storm Damage Reduction	32,030
Environmental Stewardship	1,819
Commercial Navigation	112,355

OHIO, continued

DEER CREEK LAKE, OH
DELAWARE LAKE, OH
INSPECTION OF COMPLETED WORKS, OH
MICHAEL J KIRWAN DAM AND RESERVOIR, OH
MOSQUITO CREEK LAKE, OH
OHIO-MISSISSIPPI FLOOD CONTROL, OH
PAINT CREEK LAKE, OH
TOM JENKINS DAM, OH
WEST FORK OF MILL CREEK LAKE, OH
WILLIAM H HARSHA LAKE, OH

PENNSYLVANIA

OHIO RIVER LOCKS AND DAMS, PA, OH & WV OHIO RIVER OPEN CHANNEL WORK, PA, OH & WV SHENANGO RIVER LAKE, PA

WEST VIRGINIA

BEECH FORK LAKE, WV
BURNSVILLE LAKE, WV
EAST LYNN LAKE, WV
INSPECTION OF COMPLETED WORKS, WV
OHIO RIVER LOCKS AND DAMS, WV, KY & OH
OHIO RIVER OPEN CHANNEL WORK, WV, KY & OH

System: PEL - Pearl River

MISSISSIPPI

PEARL RIVER, MS & LA

Commercial Navigation	193
Total	193

System: PNW - Pacific Northwest System

OREGON

APPLEGATE LAKE, OR
CHETCO RIVER, OR
COOS BAY, OR
COQUILLE RIVER, OR
DEPOE BAY, OR
LOST CREEK LAKE, OR
PORT ORFORD, OR
ROGUE RIVER AT GOLD BEACH, OR
SIUSLAW RIVER, OR
TILLAMOOK BAY & BAR, OR
UMPQUA RIVER, OR
YAQUINA BAY & HARBOR, OR

WASHINGTON

EDIZ HOOK, WA

EVERETT HARBOR AND SNOHOMISH RIVER, WA GRAYS HARBOR AND CHEHALIS RIVER, WA

HOWARD HANSON DAM ECOSYSTEM RESTORATION, WA

HOWARD HANSON DAM, WA

INSPECTION OF COMPLETED ENVIRONMENTAL PROJECTS

INSPECTION OF COMPLETED WORKS, WA LAKE WASHINGTON SHIP CANAL, WA

MUD MOUNTAIN DAM, WA

NEAH BAY, WA

PROJECT CONDITION SURVEYS, WA

PUGET SOUND AND TRIBUTARY WATERS, WA

QUILLAYUTE RIVER, WA

SCHEDULING RESERVOIR OPERATIONS, WA

SEATTLE HARBOR, WA STILLAGUAMISH RIVER, WA

SURVEILLANCE OF NORTHERN BOUNDARY WATERS, WA

TACOMA, PUYALLUP RIVER, WA WILLAPA RIVER AND HARBOR, WA

Commercial Navigation	29,107
Environmental Restoration	70
Environmental Stewardship	5,627
Flood and Coastal Storm Damage Reduction	21,674
Recreation	1,603
Water Supply	101
Total	58,182

System: RED - Red River

ARKANSAS

DEQUEEN LAKE, AR DIERKS LAKE, AR GILLHAM LAKE, AR MILLWOOD LAKE, AR

LOUISIANA

BAYOU BODCAU RESERVOIR, LA BAYOU PIERRE, LA CADDO LAKE, LA J BENNETT JOHNSTON WATERWAY, LA WALLACE LAKE, LA

Commercial Navigation	9,356
Environmental Stewardship	458
Flood and Coastal Storm Damage Reduction	3,905
Recreation	3,891
Water Supply	23
Total	17,633

System: RGR - Rio Grande System

COLORADO

SCHEDULING RESERVOIR OPERATIONS, CO

NEW MEXICO

ABIQUIU DAM, NM
COCHITI LAKE, NM
GALISTEO DAM, NM
INSPECTION OF COMPLETED WORKS, NM
JEMEZ CANYON DAM, NM
SANTA ROSA DAM AND LAKE, NM
SCHEDULING RESERVOIR OPERATIONS, NM
TWO RIVERS DAM, NM
UPPER RIO GRANDE WATER OPERATIONS MODEL STUDY, NM

TEXAS

INSPECTION OF COMPLETED WORKS, TX

Environmental Stewardship	1,024
Flood and Coastal Storm Damage Reduction	8,192
Recreation	1,100
Total	10,316

System: SCA - Southern California System

CALIFORNIA

CHANNEL ISLANDS HARBOR, CA INSPECTION OF COMPLETED WORKS, CA ISABELLA LAKE, CA LOS ANGELES COUNTY DRAINAGE AREA, CA MARINA DEL REY, CA MOJAVE RIVER DAM, CA MORRO BAY HARBOR, CA OCEANSIDE HARBOR, CA PINE FLAT LAKE, CA PORT HUENEME, CA PROJECT CONDITION SURVEYS, CA SANTA ANA RIVER BASIN, CA SANTA BARBARA HARBOR, CA SCHEDULING RESERVOIR OPERATIONS, CA SUCCESS LAKE, CA TERMINUS DAM, LAKE KAWEAH, CA VENTURA HARBOR, CA

Commercial Navigation	21,370
Environmental Stewardship	830
Flood and Coastal Storm Damage Reduction	12,320
Recreation	3,372
Total	37,892

System: SEC - Southern East Coast

FLORIDA

CANAVERAL HARBOR, FL
EVERGLADES AND SOUTH FLORIDA ECOSYSTEM RESTORATION, FL
FERNANDINA HARBOR, FL
INTRACOASTAL WATERWAY, JACKSONVILLE TO MIAMI, FL
JACKSONVILLE HARBOR, FL
MIAMI RIVER, FL
PALM BEACH HARBOR, FL
PROJECT CONDITION SURVEYS, FL
SCHEDULING RESERVOIR OPERATIONS, FL
WATER/ENVIRONMENTAL CERTIFICATION, FL

GEORGIA

ATLANTIC INTRACOASTAL WATERWAY, GA BRUNSWICK HARBOR, GA PROJECT CONDITION SURVEYS, GA SAVANNAH HARBOR, GA

PUERTO RICO

ARECIBO HARBOR, PR

SOUTH CAROLINA

ATLANTIC INTRACOASTAL WATERWAY, SC CHARLESTON HARBOR, SC COOPER RIVER, CHARLESTON HARBOR, SC FOLLY BEACH, SC GEORGETOWN HARBOR, SC INSPECTION OF COMPLETED WORKS, SC PROJECT CONDITION SURVEYS, SC

Commercial Navigation	71,943
Environmental Restoration	400
Flood and Coastal Storm Damage Reduction	95
Total	72,438

System: SNE - Southern New England

CONNECTICUT

BLACK ROCK LAKE, CT
COLEBROOK RIVER LAKE, CT
HANCOCK BROOK LAKE, CT
HOP BROOK LAKE, CT
INSPECTION OF COMPLETED WORKS, CT
LONG ISLAND SOUND DMMP, CT
MANSFIELD HOLLOW LAKE, CT
NORTHFIELD BROOK LAKE, CT
PROJECT CONDITION SURVEYS, CT
STAMFORD HURRICANE BARRIER, CT
THOMASTON DAM, CT
WEST THOMPSON LAKE, CT

MASSACHUSETTS

BARRE FALLS DAM, MA
BIRCH HILL DAM, MA
BOSTON HARBOR, MA
BUFFUMVILLE LAKE, MA
CAPE COD CANAL, MA
CHARLES RIVER NATURAL VALLEY STORAGE AREA, MA
CONANT BROOK LAKE, MA
EAST BRIMFIELD LAKE, MA
HODGES VILLAGE DAM, MA
INSPECTION OF COMPLETED WORKS, MA
KNIGHTVILLE DAM, MA

Based on current estimates, the Corps would allocate the funding requested for operation, maintenance, and rehabilitation in the system by business line as follows (dollars in thousands):

Commercial Navigation	20,279
Environmental Stewardship	1,619
Flood and Coastal Storm Damage Reduction	12,034
Recreation	4,979
Total	38,911

MASSACHUSETTS, continued

LITTLEVILLE LAKE, MA
NEW BEDFORD FAIRHAVEN AND ACUSHNET HURRICANE BARRIER, M.
PROJECT CONDITION SURVEYS, MA
TULLY LAKE, MA
WEST HILL DAM, MA
WESTVILLE LAKE, MA

NEW HAMPSHIRE

OTTER BROOK LAKE, NH SURRY MOUNTAIN LAKE, NH

RHODE ISLAND

BLOCK ISLAND HARBOR OF REFUGE, RI INSPECTION OF COMPLETED WORKS, RI POINT JUDITH HARBOR OF REUGE, RI PROJECT CONDITION SURVEYS, RI

VERMONT

BALL MOUNTAIN, VT
INSPECTION OF COMPLETED WORKS, VT
NORTH HARTLAND LAKE, VT
NORTH SPRINGFIELD LAKE, VT
TOWNSHEND LAKE, VT
UNION VILLAGE DAM, VT

System: SPR - Susquehanna and Potomac

DISTRICT OF COLUMBIA

INSPECTION OF COMPLETED WORKS, DC
POTOMAC AND ANACOSTIA RIVERS, DC (DRIFT REMOVAL)
PROJECT CONDITION SURVEYS, DC
WASHINGTON HARBOR, DC

MARYLAND

CUMBERLAND, MD AND RIDGELEY, WV INSPECTION OF COMPLETED WORKS, MD JENNINGS RANDOLPH LAKE, MD & WV SCHEDULING RESERVOIR OPERATIONS, MD

NEW YORK

ALMOND LAKE, NY
ARKPORT DAM, NY
EAST SIDNEY LAKE, NY
INSPECTION OF COMPLETED WORKS, NY
SOUTHERN NEW YORK FLOOD CONTROL PROJECTS, NY
WHITNEY POINT LAKE, NY

Based on current estimates, the Corps would allocate the funding requested for operation, maintenance, and rehabilitation in the system by business line as follows (dollars in thousands):

Commercial Navigation	928
Environmental Stewardship	1,077
Flood and Coastal Storm Damage Reduction	9,902
Recreation	4,557
Water Supply	84
Total	16,548

PENNSYLVANIA

ALVIN R BUSH DAM, PA
AYLESWORTH CREEK LAKE, PA
COWANESQUE LAKE, PA
CURWENSVILLE LAKE, PA
FOSTER JOSEPH SAYERS DAM, PA
INSPECTION OF COMPLETED WORKS, PA
RAYSTOWN LAKE, PA
SCHEDULING RESERVOIR OPERATIONS, PA
STILLWATER LAKE, PA
TIOGA - HAMMOND LAKES, PA
YORK INDIAN ROCK DAM, PA

VIRGINIA

INSPECTION OF COMPLETED WORKS, VA PROJECT CONDITION SURVEYS, VA

WEST VIRGINIA

INSPECTION OF COMPLETED WORKS, WV

System: TCR - Tennessee and Cumberland Rivers

ALABAMA

INSPECTION OF COMPLETED WORKS, AL

KENTUCKY

BARKLEY DAM AND LAKE BARKLEY, KY & TN INSPECTION OF COMPLETED WORKS, KY LAUREL RIVER LAKE, KY MARTINS FORK LAKE, KY MIDDLESBORO CUMBERLAND RIVER BASIN, KY WOLF CREEK DAM, LAKE CUMBERLAND, KY

TENNESSEE

CENTER HILL LAKE, TN
CHEATHAM LOCK AND DAM, TN
CHICKAMAUGA LOCK, TENNESSEE RIVER, TN
CORDELL HULL DAM AND RESERVOIR, TN
DALE HOLLOW LAKE, TN
INSPECTION OF COMPLETED WORKS, TN
J PERCY PRIEST DAM AND RESERVOIR, TN
OLD HICKORY LOCK AND DAM, TN
TENNESSEE RIVER, TN

Commercial Navigation	33,829
Environmental Stewardship	3,069
Flood and Coastal Storm Damage Reduction	5,510
Hydropower	27,103
Recreation	13,760
Water Supply	225
Total	83,496

System: TGC - Texas Gulf Coast

TEXAS

BARBOUR TERMINAL CHANNEL, TX BAYPORT SHIP CHANNEL, TX BRAZOS ISLAND HARBOR, TX BUFFALO BAYOU & TRIBUTARIES, TX CANYON LAKE, TX CHANNEL TO PORT BOLIVAR, TX CORPUS CHRISTI SHIP CHANNEL, TX FREEPORT HARBOR, TX GALVESTON HARBOR AND CHANNEL, TX GIWW, CHANNEL TO VICTORIA, TX GIWW, CHOCOLATE BAYOU, TX GREENS BAYOU, TX GULF INTRACOASTAL WATERWAY, TX HOUSTON SHIP CHANNEL, TX INSPECTION OF COMPLETED WORKS, TX MATAGORDA SHIP CHANNEL, TX PROJECT CONDITION SURVEYS, TX SABINE - NECHES WATERWAY, TX TEXAS CITY SHIP CHANNEL, TX

Commercial Navigation	95,077
Environmental Stewardship	202
Flood and Coastal Storm Damage Reduction	4,411
Recreation	1,849
Water Supply	32
Total	101,571

System: TRI - Trinity River System

TEXAS

BARDWELL LAKE, TX
BENBROOK LAKE, TX
GRAPEVINE LAKE, TX
INSPECTION OF COMPLETED WORKS, TX
JOE POOL LAKE, TX
LAVON LAKE, TX
LEWISVILLE DAM, TX
NAVARRO MILLS LAKE, TX
RAY ROBERTS LAKE, TX
SCHEDULING RESERVOIR OPERATIONS, TX
WALLISVILLE LAKE, TX

Environmental Stewardship	1,478
Flood and Coastal Storm Damage Reduction	13,632
Recreation	7,968
Water Supply	274
Total	23,352

System: UAR - Upper Arkansas River

COLORADO

INSPECTION OF COMPLETED WORKS, CO

KANSAS

COUNCIL GROVE LAKE, KS
EL DORADO LAKE, KS
ELK CITY LAKE, KS
FALL RIVER LAKE, KS
JOHN REDMOND DAM AND RESERVOIR, KS
MARION LAKE, KS
PEARSON - SKUBITZ BIG HILL LAKE, KS
TORONTO LAKE, KS

OKLAHOMA

BIRCH LAKE, OK
COPAN LAKE, OK
FORT GIBSON LAKE, OK
GREAT SALT PLAINS LAKE, OK
HULAH LAKE, OK
KAW LAKE, OK
KEYSTONE LAKE, OK
OOLOGAH LAKE, OK
PENSACOLA RESERVOIR, LAKE OF THE CHEROKEES, OK
ROBERT S. KERR LOCK AND DAM AND RESERVOIR, OK
SKIATOOK LAKE, OK
TENKILLER FERRY LAKE, OK

Commercial Navigation	3,147
Environmental Stewardship	1,436
Flood and Coastal Storm Damage Reduction	20,296
Hydropower	8,291
Recreation	9,968
Water Supply	182
Total	43,320

System: UCB - Upper Chesapeake

DELAWARE

PROJECT CONDITION SURVEYS, DE

MARYLAND

ASSATEAGUE, MD
BALTIMORE HARBOR AND CHANNELS (50 FOOT), MD
BALTIMORE HARBOR, MD (DRIFT REMOVAL)
OCEAN CITY HARBOR AND INLET AND SINEPUXENT BAY, MD
POPLAR ISLAND, MD
PROJECT CONDITION SURVEYS, MD
TWITCH COVE AND BIG THOROFARE RIVER, MD
WICOMICO RIVER, MD

Commercial Navigation	28,614
Total	28,614

System: UCO - Upper Colorado System

COLORADO

INSPECTION OF COMPLETED WORKS, CO SCHEDULING RESERVOIR OPERATIONS, CO

Flood and Coastal Storm Damage Reduction	648
Total	648

System: UDR - Upper Delaware

NEW JERSEY

INSPECTION OF COMPLETED WORKS, NJ PASSAIC RIVER FLOOD WARNING SYSTEMS, NJ

PENNSYLVANIA

BELTZVILLE LAKE, PA FRANCIS E WALTER DAM, PA GENERAL EDGAR JADWIN DAM AND RESERVOIR, PA PROMPTON LAKE, PA

Environmental Stewardship	205
Flood and Coastal Storm Damage Reduction	3,085
Total	3,290

System: UHL - Upper Hudson and Lake Champlain

NEW YORK

HUDSON RIVER, NY (MAINT) HUDSON RIVER, NY (O & C)

VERMONT

NARROWS OF LAKE CHAMPLAIN, VT & NY

Commercial Navigation	2,730
Total	2,730

System: UMS - Upper Mississippi River

ILLINOIS

INSPECTION OF COMPLETED ENVIRONMENTAL PROJECTS
INSPECTION OF COMPLETED WORKS, IL
LOCK AND DAM 27, MISSISSIPPI RIVER, IL (MAJOR REHAB)
MISS RIVER BTWN MO RIVER AND MINNEAPOLIS (MVR PORTION), IL
MISS RIVER BTWN MO RIVER AND MINNEAPOLIS (MVS PORTION), IL

IOWA

CORALVILLE LAKE, IA
INSPECTION OF COMPLETED WORKS, IA
LOCK AND DAM 11, MISSISSIPPI RIVER, IA (MAJOR REHAB)
RED ROCK DAM AND LAKE RED ROCK, IA
SAYLORVILLE LAKE, IA

MINNESOTA

BIGSTONE LAKE - WHETSTONE RIVER, MN & SD
INSPECTION OF COMPLETED WORKS, MN
LAC QUI PARLE LAKES, MINNESOTA RIVER, MN
MINNESOTA RIVER, MN
MISS RIVER BTWN MO RIVER AND MINNEAPOLIS (MVP PORTION), MN
ORWELL LAKE, MN
PROJECT CONDITION SURVEYS, MN
RED LAKE RESERVOIR, MN
RESERVOIRS AT HEADWATERS OF MISSISSIPPI RIVER, MN
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, MN

Based on current estimates, the Corps would allocate the funding requested for operation, maintenance, and rehabilitation in the system by business line as follows (dollars in thousands):

Commercial Navigation	147,357
Environmental Restoration	65
Environmental Stewardship	8,454
Flood and Coastal Storm Damage Reduction	13,337
Hydropower	1,818
Recreation	14,757
Water Supply	122
Total	185,910

MISSOURI

CLARENCE CANNON DAM AND MARK TWAIN LAKE, MO
INSPECTION OF COMPLETED WORKS, MO
MISS RIVER BTWN THE OHIO AND MO RIVERS (REG WORKS), MO & IL
SOUTHEAST MISSOURI PORT, MISSISSIPPI RIVER, MO
UNION LAKE, MO

NORTH DAKOTA

HOMME LAKE, ND
INSPECTION OF COMPLETED WORKS, ND
LAKE ASHTABULA AND BALDHILL DAM, ND
SOURIS RIVER, ND
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, ND

SOUTH DAKOTA

LAKE TRAVERSE, SD & MN

WISCONSIN

EAU GALLE RIVER LAKE, WI INSPECTION OF COMPLETED WORKS, WI PROJECT CONDITION SURVEYS, WI

System: URR - Upper Red River

KANSAS

INSPECTION OF COMPLETED WORKS, KS SCHEDULING RESERVOIR OPERATIONS, KS

OKLAHOMA

ARCADIA LAKE, OK
BROKEN BOW LAKE, OK
CANTON LAKE, OK
EUFAULA LAKE, OK
FORT SUPPLY LAKE, OK
HUGO LAKE, OK
INSPECTION OF COMPLETED WORKS, OK
OPTIMA LAKE, OK
PINE CREEK LAKE, OK
SARDIS LAKE, OK
SCHEDULING RESERVOIR OPERATIONS, OK
WAURIKA LAKE, OK

TEXAS

ARKANSAS - RED RIVER BASINS CHLORIDE CONTROL - AREA VIII, TX DENISON DAM, LAKE TEXOMA, TX
ESTELLINE SPRINGS EXPERIMENTAL PROJECT, TX
FERRELLS BRIDGE DAM, LAKE O' THE PINES, TX
INSPECTION OF COMPLETED WORKS, TX
JIM CHAPMAN LAKE, TX
LAKE KEMP, TX
PAT MAYSE LAKE, TX
SCHEDULING RESERVOIR OPERATIONS, TX
WRIGHT PATMAN DAM AND LAKE, TX

Commercial Navigation	25
Environmental Stewardship	4,350
Flood and Coastal Storm Damage Reduction	14,940
Hydropower	4,608
Recreation	11,316
Water Supply	495
Total	35,734

System: WAB - Wabash River

ILLINOIS

INSPECTION OF COMPLETED WORKS, IL

INDIANA

CAGLES MILL LAKE, IN
CECIL M HARDEN LAKE, IN
INSPECTION OF COMPLETED WORKS, IN
J EDWARD ROUSH LAKE, IN
MISSISSINEWA LAKE, IN
MONROE LAKE, IN
PATOKA LAKE, IN
ROUSH RIVER MAJOR REHAB REPORT, IN
SALAMONIE LAKE, IN

Environmental Stewardship	465
Flood and Coastal Storm Damage Reduction	10,719
Recreation	266
Water Supply	15
Total	11,465

System: WHT - White River

ARKANSAS

BEAVER LAKE, AR BULL SHOALS LAKE, AR GREERS FERRY LAKE, AR NORFORK LAKE, AR WHITE RIVER, AR

MISSOURI

CLEARWATER LAKE, MO INSPECTION OF COMPLETED WORKS, MO TABLE ROCK LAKE, MO & AR

Commercial Navigation	52
Environmental Stewardship	2,001
Flood and Coastal Storm Damage Reduction	7,006
Hydropower	12,101
Recreation	11,766
Water Supply	42
Total	32,968

APPROPRIATION TITLE: Mississippi River and Tributaries (Maintenance) FY 2009

SUMMARY BY SYSTEM	
LGC - Louisiana Gulf Coast	703
LMS - Lower Mississippi River	155,027
OBL - Ouachita-Black Rivers	4,434
WHT - White River	1,039
Subtotal	161,203
Remaining Items (Mapping)	1,488
Grand Total for MR&T	162,691

System: LGC - Louisiana Gulf Coast

LOUISIANA

BONNET CARRE, LA

Environmental Stewardship	234
Recreation	469
Total	703

System: LMS - Lower Mississippi River

ARKANSAS

DREDGING, AR
HELENA HARBOR, PHILLIPS COUNTY, AR
INSPECTION OF COMPLETED WORKS, AR
LOWER ARKANSAS RIVER, NORTH BANK, AR
LOWER ARKANSAS RIVER, SOUTH BANK, AR
MISSISSIPPI RIVER LEVEES, AR
REVETMENTS, AR

ILLINOIS

INSPECTION OF COMPLETED WORKS, IL

KENTUCKY

INSPECTION OF COMPLETED WORKS, KY

LOUISIANA

ATCHAFALAYA BASIN, FLOODWAY SYSTEM, LA
ATCHAFALAYA BASIN, LA
BATON ROUGE HARBOR, DEVIL SWAMP, LA
BAYOU COCODRIE AND TRIBUTARIES, LA
BONNET CARRE, LA
DREDGING, LA
INSPECTION OF COMPLETED WORKS, LA
MISSISSIPPI DELTA REGION, CAERNARVON, LA
MISSISSIPPI RIVER LEVEES, LA
OLD RIVER, LA
REVETMENTS, LA

Based on current estimates, the Corps would allocate the funding requested for operation, maintenance, and rehabilitation in the system by business line as follows (dollars in thousands):

Commercial Navigation	29,224
Environmental Stewardship	4,160
Flood and Coastal Storm Damage Reduction	107,112
Recreation	14,531
Total	155,027

MISSISSIPPI

DREDGING, MS GREENVILLE HARBOR, MS INSPECTION OF COMPLETED WORKS, MS MISSISSIPPI RIVER LEVEES, MS REVETMENTS, MS VICKSBURG HARBOR, MS YAZOO BASIN, ARKABUTLA LAKE, MS YAZOO BASIN, BIG SUNFLOWER RIVER, MS YAZOO BASIN, ENID LAKE, MS YAZOO BASIN, GREENWOOD, MS YAZOO BASIN, GRENADA LAKE, MS YAZOO BASIN, MAIN STEM, MS YAZOO BASIN, SARDIS LAKE, MS YAZOO BASIN, TRIBUTARIES, MS YAZOO BASIN, WILL M WHITTINGTON AUX CHAN, MS YAZOO BASIN, YAZOO BACKWATER AREA, MS YAZOO BASIN, YAZOO CITY, MS

MISSOURI

INSPECTION OF COMPLETED WORKS, MO MISSISSIPPI RIVER LEVEES, MO ST FRANCIS BASIN, AR & MO WAPPAPELLO LAKE, MO

TENNESSEE

DIKES, TN
DREDGING, TN
INSPECTION OF COMPLETED WORKS, TN
MEMPHIS HARBOR, MCKELLAR LAKE, TN
REVETMENTS, TN

System: OBL - Ouachita-Black Rivers

LOUISIANA

LOWER RED RIVER, SOUTH BANK LEVEES, LA TENSAS BASIN, BOEUF AND TENSAS RIVERS, AR & LA TENSAS BASIN, RED RIVER BACKWATER, LA

Flood and Coastal Storm Damage Reduction	4,434
Total	4,434

System: WHT - White River

ARKANSAS

WHITE RIVER BACKWATER, AR

Flood and Coastal Storm Damage Reduction	1,039
Total	1,039

SUMMARY, INVESTIGATIONS

	<u>APPROPRIATION</u>
Studies and Projects Listed Under States:	·
Surveys	33,356,000
Preconstruction Engineering and Design	7,727,000
Subtotal - Studies and Projects Listed Under States	41,083,000
Items Not Listed Under States:	
Coordination Studies With Other Agencies	
Other Coordination Programs	4,080,000
Planning Assistance to States	7,000,000
Collection and Study of Basic Data:	
Coastal Field Data Collection	1,400,000
Environmental Data Studies	75,000
Flood Damage Data	220,000
Flood Plain Management Services	8,000,000
Hydrologic Studies	250,000
International Water Studies	200,000
Precipitation Studies (National Weather Service)	225,000
Remote Sensing/Geographic Information System Support	150,000
Scientific and Technical Information Centers	50,000
Stream Gaging (U.S. Geological Survey)	600,000
Transportation Systems	350,000
Automated Information Systems Support Tri-CADD	350,000
Research and Development	16,892,000
Other - Misc	
Chief's 12 Actions	2,100,000
Independent Peer Review	1,000,000
FEMA/Map Mod Coordination	1,500,000
Water Resources Priorities Report	2,000,000
National Shoreline	375,000
Planning Support Program	2,100,000
Tribal Partnership Program	1,000,000
Subtotal - Items Not Listed Under States	49,917,000
TOTAL - INVESTIGATIONS APPROPRIATION	91,000,000
Rivers and Harbors Contributed Funds	23,000,000 1/
TOTAL - INVESTIGATIONS PROGRAM	114,000,000

^{1/} Anticipated cash contributions.

SUMMARY, CONSTRUCTION

	APPROPRIATION
<u>Listed Under States:</u>	1,296,684,000
Items Not Listed Under States:	
Aquatic Plant Control Program	3,500,000
Actions for Change to Improve Construction	4,600,000
Continuing Authorities Projects Not Requiring Specific Legislation:	
Aquatic Ecosystem Restoration (Section 206)	10,295,000
Emergency Streambank and Shoreline Protection Projects (Section 14)	2,301,000
Flood Control Projects (Section 205)	2,617,000
Navigation Projects (Section 107)	559,000
Project Modifications for Improvement of the Environment (Section 1135)	6,544,000
Shoreline Protection Projects (Section 103)	0
Snagging and Clearing Project (Section 208)	0
Dam Safety and Seepage/Stability Correction Program	48,600,000
Employees' Compensation	21,000,000
Inland Waterways Users Board - Board Expense	50,000
Inland Waterways Users Board - Corps Expense	250,000
Estuary Restoration Program (PL 106-457)	5,000,000
Subtotal - Items Not Listed Under States	105,316,000
TOTAL - CONSTRUCTION APPROPRIATION	1,402,000,000 1/
Rivers and Harbors Contributed Funds	308,000,000 2/
TOTAL - CONSTRUCTION PROGRAM	1,710,000,000

^{1/} Includes \$157,000,000 from the Inland Waterways Trust Fund.

^{2/} Cash contributions required by law for budgeted work and work anticipated to be done on a reimbursable basis.

SUMMARY, OPERATION AND MAINTENANCE

,	<u>APPROPRIATION</u>
Total Listed Under States	2,348,860,000
Items Not Listed Under States	
Asset Management/ Facilities and Equipment Maintenance (FEM)	4,750,000
Aquatic Nuisance Control Research	690,000
Budget/Management Support for O&M Business Programs	5,865,000
Actions for Change to Improve Operation and Maintenance	7,737,000
Coastal Inlet Research Program	2,475,000
Continuing Authorities Projects Not Requiring Specific Legislation:	
Beneficial Uses of Dredged Materials (Section 204/145)	2,278,000
National Mitigation Projects (Section111)	5,325,000
Cultural Resources (NAGPRA/Curation)	1,500,000
Dredge Wheeler Ready Reserve	12,000,000
Dredging Data And Lock Performance Monitoring System	1,062,000
Dredging Operations And Environmental Research (DOER)	6,080,000
Dredging Operations Technical Support Program (DOTS)	1,391,000
Earthquake Hazards Reduction Program	270,000
Facility Protection	12,000,000
Great Lakes Sediment Transport Models	900,000
Independent (PART) Assessement of Environment - Stewardship	500,000
Inland Waterway Navigation Charts	3,708,000
Inland Navigation Safety Initiative	3,000,000
Inspection of Completed Works	1,780,000
Monitoring Of Completed Navigation Projects	1,575,000
National Coastal Mapping Program	7,000,000
National Dam Safety Program	15,000,000
National Emergency Preparedness Program (NEPP)	6,000,000
National (Levee) Flood Inventory	10,000,000
National Natural Resources Management Activities	3,326,000
National Portfolio Assessment for Reallocation	300,000
Program Development Technical Support (ABS-P2, WINABS)	300,000
Protection of Navigation	50,000
Protect, Clear And Straighten Channels (Sec. 3)	50,000
Removal Of Sunken Vessels	500,000
Waterborne Commerce Statistics	4,271,000
Harbor Maintenance Fee Data Collection	725,000
RecreationOneStop (R1S) National Recreation Reservation Service	1,130,000
Regional Sediment Management Demonstration Program	1,391,000
Reliability Models Program For Major Rehab. Water Operations Technical Support (WOTS)	608,000 653,000
Subtotal - Items Not Listed Under States	126,140,000
Total Operation and Maintenance Appropriation	2,475,000,000 <u>1/</u>
Rivers and Harbors Contributed Funds	35,000,000 <u>2/</u>
Total Operation and Maintenance Program	2,510,000,000

^{1/} Includes \$729,000,000 financed from the Harbor Maintenance Trust Fund; \$10,000,000 from the Inland Waterways Trust Fund. The remainder is financed from the General Fund.

^{2/} Cash contributions required by law for budgeted work and work anticipated to be done on a reimbursable basis.

SUMMARY, MISSISSIPPI RIVER AND TRIBUTARIES

	APPROPRIATION
Listed Under States:	
Investigations:	
Surveys	259,000
Preconstruction Engineering and Design	790,000
Construction	75,807,000
Maintenance	161,256,000
Subtotal - Items Listed Under States	238,112,000
Items Not Listed Under States:	
Collection and Study of Basic Data (Investigations)	400,000
Mapping (Maintenance)	1,488,000
Subtotal - Items Not Listed Under States	1,888,000
TOTAL - MISSISSIPPI RIVER AND TRIBUTARIES APPROPRIATION	240,000,000
Rivers and Harbors Contributed Funds	34,000,000 1/
TOTAL - MISSISSIPPI RIVER AND TRIBUTARIES PROGRAM	274,000,000

^{1/} Cash contributions required by law for budgeted work and work anticipated to be done on a reimbursable basis.

FY 2009 FUNDED FOR CONSTRUCTION - NAVIGATION PROJECTS			
RANKED BY RATIO OF BENEFITS TO COSTS (BCR)			
BCRs AND RATIOS OF NET BENEFITS TO TOTAL COSTS CALCULATED AT SEVEN PERCENT DISCOUNT RATE			
			NET BENEFITS/
DIS	NAME	BCR	TOTAL COSTS
SPN	OAKLAND HARBOR (50 FOOT PROJECT), CA	8.5	7.5
SPN	SACRAMENTO DEEPWATER SHIP CHANNEL, CA	8.4	7.4
LRP	POINT MARION L&D, PA	5.5	4.5
MVS	MISS RIVER BTWN THE OHIO AND MO RIVERS (REG WORKS), MO & IL	5.3	4.3
LRH	ROBERT C BYRD LOCKS AND DAM, OHIO RIVER, WV & OH	5.1	4.1
LRP	GRAYS LANDING L&D, MONONGAHELA RIVER, PA	3.7	2.7
LRH	MARMET LOCK, KANAWHA RIVER, WV	3.5	2.5
LRL	OLMSTED LOCK AND DAM, IL	3.1	2.1
SWG	HOUSTON-GALVESTON NAVIGATION CHANNEL, TX	3.0	2.0
LRL	MCALPINE LOCKS AND DAM, OHIO RIVER, KY & IN	2.8	1.8
NAN	NY & NJ HARBOR	2.7	1.7
LRN	KENTUCKY LOCK AND DAM, TENNESSEE RIVER, KY	2.5	1.5
LRP	EMSWORTH LOCKS AND DAM, OHIO RIVER, PA	2.3	1.3
LRP	LOCKS AND DAMS 2, 3 AND 4, MONONGAHELA RIVER, PA	2.3	1.3
LRN	CHICKAMAUGA LOCK, TENNESSEE RIVER, TN	1.9	0.9
SAJ	ST. LUCIE INLET, FL	1.7	0.7
NWP	COLUMBIA RIVER CHANNEL IMPROVEMENTS	1.5	0.5
MVR	ILLINOIS WATERWAY, LOCKPORT LOCK AND DAM, IL (REPLACEMENT)	1.3	0.3
MVK	J BENNETT JOHNSTON WATERWAY, LA	0.6	-0.4

FY 2009 FUNDED FOR CONSTRUCTION - AQUATIC ECOSYSTEM RESTORATION PROJECTS			
DIS	NAME		
LRC	CHICAGO SANITARY AND SHIP CANAL DISPERSAL BARRIER, IL		
SAJ	SOUTH FLORIDA EVERGLADES ECOSYSTEM RESTORATION, FL		
SPN	HAMILTON AIRFIELD WETLANDS RESTORATION, CA		
MWP	LOWER COLUMBIA RIVER ECOSYSTEM RESTORATION, OR & WA		
MVR	UPPER MISSISSIPPI RIVER RESTORATION, IL, IA, MN, MO & WI		
	Data on monetary benefits not available or not applicable		

FY 2009 FUNDED FOR CONSTRUCTION - FLOOD AND COASTAL STORM DAMAGE PROJECTS			
RANKED BY RATIO OF BENEFITS TO COSTS (BCR)			
BCR	S AND RATIOS OF NET BENEFITS TO TOTAL COSTS CALCULATED AT SEVE	N PERCENT	
			NET BENEFITS/
DIS	NAME	BCR	TOTAL COSTS
SPK	SACRAMENTO RIVER BANK PROTECTION PROJECT, CA	22.2	21.2
SWG	SIMS BAYOU, TX	8.9	7.9
MVS	EAST ST LOUIS, IL	6.9	5.9
LRC	CHICAGO SHORELINE, IL	6.2	5.2
SWG	BRAYS BAYOU, TX	5.9	4.9
SPK	SOUTH SACRAMENTO COUNTY STREAMS, CA	4.5	3.5
MVS	ST. LOUIS FLOOD PROTECTION, MO	4.0	3.0
NWP	MT ST HELENS SEDIMENT CONTROL, WA	3.8	2.8
NWK	BLUE RIVER CHANNEL, KANSAS CITY, MO	3.2	2.2
NAN	CONEY ISLAND, NY	3.2	2.2
NAE	MUDDY RIVER, MA	3.2	2.2
SAJ	RIO PUERTO NUEVO, PR	3.2	2.2
SAJ	CEDAR HAMMOCK, WARES CREEK, FL	3.1	2.1
LRC	MCCOOK AND THORNTON RESERVOIRS, IL	2.7	1.7
MVS	WOOD RIVER LEVEE, IL	2.6	1.6
SAJ	PORTUGUES AND BUCANA RIVERS, PR	2.5	1.5
SPK	AMERICAN RIVER WATERSHED (FOLSOM DAM), CA	2.5	1.5
SPA	RIO GRANDE FLOODWAY, SAN ACACIA TO BOSQUE DEL APACHE, NM	2.4	1.4
LRC	DES PLAINES RIVER, IL	2.2	1.2
SPA	ALAMOGORDO, NM	2.2	1.2
SPK	AMERICAN RIVER WATERSHED (COMMON FEATURES), CA	2.1	1.1
NAP	BARNEGAT INLET TO LITTLE EGG, NJ	1.8	0.8
LRC	LITTLE CALUMET RIVER, IN	1.6	0.6
SAW	ROANOKE RIVER UPPER BASIN, HEADWATERS AREA, VA	1.6	0.6
MVS	CHAIN OF ROCKS CANAL, MISSISSIPPI RIVER, IL (DEF CORR)	1.5	0.5
SPL	SANTA ANA RIVER MAINSTEM, CA	1.5	0.5

FY 2009 FUNDED FOR CONSTRUCTION - FLOOD AND COASTAL STORM DAMAGE PROJECTS			
RANKED BY RATIO OF BENEFITS TO COSTS (BCR)			
BCRs AND RATIOS OF NET BENEFITS TO TOTAL COSTS CALCULATED AT SEVEN PERCENT DISCOUNT RATE			
	NET BENEFIT		
DIS	NAME	BCR	TOTAL COSTS
NAN	RARITAN RIVER BASIN, GREEN BROOK SUB-BASIN, NJ	1.4	0.4
NWO	ANTELOPE CREEK, NE	1.3	0.3
NWK	TURKEY CREEK BASIN, KS & MO	1.3	0.3
NAN	FIRE ISLAND INLET TO MONTAUK POINT, NY	1.3	0.3
SPL	NAPA RIVER, CA	1.2	0.2
LRL	METROPOLITAN REGION OF CINCINNATI, DUCK CREEK, OH	0.9	-0.1
LRH	BLUESTONE LAKE, WV	*	
SWT	CANTON LAKE, OK	*	
LRN	CENTER HILL LAKE, TN	*	
SWL	CLEARWATER LAKE, MO	*	
SAJ	HERBERT HOOVER DIKE, FL (SEEPAGE CONTROL)	*	
SPK	SUCCESS DAM, TULE RIVER, CA (DAM SAFETY)	*	
NWK	TUTTLE CREEK LAKE, KS	*	
LRN	WOLF CREEK DAM, LAKE CUMBERLAND, KY	*	
NWP	ELK CREEK LAKE, OR	**	
NWS	MUD MOUNTAIN DAM, WA	**	
SPL	LOS ANGELES COUNTY DRAINAGE AREA, CA	**	
SPK	KAWEAH RIVER, CA	**	
LRP	STONEWALL JACKSON LAKE, WV	**	
MVP	CROOKSTON, MN	**	
	* Dam safety assurance - benefit cost analysis not applicable		
	** Data on monetary benefits not available or not applicable		

FY 2009 FUNDED FOR CONSTRUCTION - HYDROPOWER PROJECTS			
RANKED BY RATIO OF BENEFITS TO COSTS (BCR)			
BCRs AND RATIOS OF NET BENEFITS TO TOTAL COSTS CALCULATED AT SEVEN PERCENT DISCOUNT RATE			
DIS	NAME	BCR	TOTAL COSTS
SAW	JOHN KERR LAKE, VA, & NC	3.6	2.6
NWO	GARRISON DAM, LAKE SAKAKAWEA, ND	3.6	2.6
SAS	RICHARD B. RUSSELL DAM AND LAKE, GA & SC	1.9	0.9
SWL	OZARK- JETA TAYLOR LOCK AND DAM, AR	1.8	0.8
NWP	COLUMBIA RIVER TREATY FISHING ACCESS SITES, OR & WA	**	
	** Data on monetary benefits not available or not applicable		

U.S. Army Corps of Engineers FY 2009 Budget Justification Materials

Recreation Modernization Initiative and User Fees

The Corps is the largest Federal provider of outdoor recreation services. Over 4,300 recreation areas are located on Corps-managed lands at more than 400 lakes (352 budgeted projects) in 42 states. The Corps has long been a leader in developing partnerships to assist in providing recreation opportunities. For this reason, about 1,800 (43 percent) of these recreation areas are operated and maintained by other entities, such as states and local governments, under a lease or license agreement. Water-oriented recreation is attractive to visitors, and Corps sites and facilities serve millions of people each year. Eighty percent of Corps projects are located within 50 miles of a major metropolitan area, making the recreation opportunities easily accessible to many Americans. For example, Lewisville Lake near Dallas, Texas, attracts large numbers of visitors, as does J. Percy Priest Lake near Nashville, Tennessee. The 2009 Budget includes \$271 million for the recreation program.

The 2009 Budget would propose a continuation of a Corps recreation modernization initiative, which was developed under the FY 06 and FY 07 Budgets. The modernization initiative will identify new ways to provide Corps recreation opportunities and improve facilities. The Corps will work at national, state and local levels to expand public/private partnerships and other means to expand financing of both new and existing recreation operations. The Budget will include a legislative proposal that will allow the agency to use fees it collects to upgrade the sites where the fees are collected.

In conjunction with this proposal, the Corps plans to work closely with the Congress and with local communities neighboring Corps lakes to determine how best to build on this initiative. The Corps will focus on the following areas of interest:

- The Corps currently collects a variety of fees and user charges, including overnight camping fees, day-use fees, and fees for special events; lease payments paid by concessionaires including marinas; shoreline use permit fees; and agricultural lessees' fee payments.
- Continue to explore and utilize ways to cooperate and partner with non-Federal units of government and non-profit entities in providing public user amenities at the lakes.
- Expand on extensive efforts of working with volunteers, other stakeholders and interest groups.

The agency looks forward to working together with local stakeholders and with their representatives in Congress to develop improved ways of doing business to facilitate responsiveness to stakeholders, while assuring quality outdoor recreation opportunities are available for the enjoyment of future generations of Americans.

SUMMARY, FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM FY 2009

STATE	PROJECT NAME	BUDGET
СТ	CE, Windsor, CT	250,000
IA	Iowa Army Ammunition Plant	1,000,000
MD	W. R. Grace, Baltimore, MD	750,000
MA	Shpack Landfill, Norton, MA	10,000,000
МО	Downtown, St. Louis, MO Latty Avenue, St. Louis, MO St. Louis Airport Vicinity Properties, St. Louis, MO St. Louis Airport, St. Louis, MO	18,000,000 15,000,000 6,000,000 500,000
NJ	Dupont Chambers Works, Deepwater, NJ Maywood, NJ Middlesex, NJ	1,000,000 35,000,000 1,000,000
NY	Colonie, NY Guterl, Lockport, NY Linde Air Products, Tonawanda, NY Niagara Falls Storage Site, NY Seaway Industrial Park, Tonawanda, NY Sylvania Corning, Hicksville, NY	1,000,000 2,500,000 23,210,000 3,500,000 100,000 3,000,000
ОН	Former Harshaw Chemical Co., Cleveland, OH Luckey, OH Painesville, OH	1,350,000 1,500,000 200,000
PA	Shallow Land Disposal Area, Parks Township, PA Former Superior Steel Site, Carnegie, PA Potential Sites	4,000,000 40,000 1,100,000
	TOTAL	130,000,000

HQDA WASH DC 20310-0108

OFFICIAL BUSINESS

AN EQUAL OPPORTUNITY EMPLOYER