



**ARMY CIVIL WORKS PROGRAM
FY 2019 WORK PLAN - INVESTIGATIONS**

STATE	DIVISION	BUSINESS PROGRAM 1/	STUDY OR PROGRAM	FY 2019 EXPLANATORY STATEMENT	ADDITIONAL WORK PLAN AMOUNT	TOTAL FY 2019 ALLOCATION	LINE ITEM OF ADDITIONAL FUNDING 1/	SUMMARY OF WORK TO BE ACCOMPLISHED WITH CONFERENCE ALLOCATION	SUMMARY OF WORK TO BE ACCOMPLISHED WITH FUNDING POT ALLOCATION
AK	POD	NHS	ALASKA REGIONAL PORTS (PORT OF NOME MODIFICATION), AK		1,000,000	1,000,000	5		Funding will complete the feasibility study phase
AL	SAD	NHD	MOBILE HARBOR, AL		1,875,000	1,875,000	5		Funding will initiate and complete preconstruction, engineering and design phase
AR	SWD	NIH	THREE RIVERS, AR		3,000,000	3,000,000	6		Funding will initiate preconstruction, engineering and design phase
AZ	SPD	FDRR	LOWER SANTA CRUZ RIVER, AZ		1,070,000	1,070,000	2		Funding will complete the feasibility study phase
CA	SPD	ENR	DRY CREEK (WARM SPRINGS) RESTORATION, CA		1,700,000	1,700,000	7		Funding will initiate and complete preconstruction, engineering, and design phase
CA	SPD	ENR	EAST SAN PEDRO BAY ECOSYSTEM RESTORATION, CA	298,000		298,000		Funding will complete the feasibility study phase	
CA	SPD	NHD	PORT OF LONG BEACH NAVIGATION IMPROVEMENT, CA		920,500	920,500	4		Funding will complete the feasibility study phase
CA	SPD	FDRC	SAN FRANCISCO WATERFRONT STORM DAMAGE REDUCTION, CA		200,000	200,000	3		Funding will continue the feasibility study phase
CA	SPD	FDRC	SOUTH SAN FRANCISCO BAY SHORELINE, CA (PHASE II)		500,000	500,000	3		Funding will initiate the feasibility study for phase II of the South San Francisco Bay Shoreline project
CA	SPD	FDRR	SAN JOAQUIN RIVER BASIN, LOWER SAN JOAQUIN, CA		2,930,000	3,125,000	1		Funding will complete preconstruction, engineering and design phase
CA	SPD	FDRR	SAN JOAQUIN RIVER BASIN, LOWER SAN JOAQUIN, CA		195,000		2		
CA	SPD	FDRR	WEST SACRAMENTO, CA		400,000	400,000	1		Funding will initiate preconstruction, engineering and design phase
CO	NWD	WTR	BEAR CREEK REALLOCATION, CO		1,500,000	1,500,000	7		Funding will initiate new water supply reallocation study
CT	NAD	FDRR	FAIRFIELD AND NEW HAVEN COUNTIES (FLOODING), CT		235,000	235,000	2		Funding will complete the feasibility study phase
FL	SAD	NHD	MIAMI HARBOR IMPROVEMENTS, FL		943,750	943,750	4		Funding will continue the feasibility study phase
GA	SAD	NHD	BRUNSWICK HARBOR, GA		1,500,000	1,500,000	4		New Start: Funding will initiate the feasibility study phase
IA	NWD	ENR	GRAND RIVER BASIN, IA & MO	100,000	448,000	548,000	8	Funding will complete the feasibility study phase	Additional funds to complete the feasibility study phase
IL	LRD	ENR	INTERBASIN CONTROL OF GREAT LAKES-MISSISSIPPI RIVER AQUATIC NUISANCE SPECIES, IL, IN, OH & WI	200,000		200,000		Funding will continue efforts to evaluate options and technologies available to prevent the spread of aquatic nuisance species between the Great Lakes and Mississippi River basins.	
KS	NWD	FDRR	KANSAS RIVER RESERVOIRS FLOOD AND SEDIMENT STUDY, KS, CO & NE		1,500,000	1,500,000	2		New Start: Funding will initiate the flood risk study
KY	LRD	ENR	THREE FORKS OF BEARGRASS CREEK, KY		1,500,000	1,500,000	8		New Start: Funding will initiate the feasibility study phase
LA	MVD	NOth	MISSISSIPPI RIVER SHIP CHANNEL, PORT OF NEW ORLEANS, LA		1,500,000	1,500,000	4		New Start: Funding will initiate the feasibility study phase
MD	NAD	ENR	CHESAPEAKE BAY COMPREHENSIVE PLAN, MD, PA & VA		133,000	133,000	8		Funding will complete the watershed study
MD	NAD	ENR	EASTERN SHORE, MID CHESAPEAKE BAY ISLAND, MD		3,300,000	4,259,000	7		Funding will continue preconstruction, engineering and design phase
MD	NAD	ENR	EASTERN SHORE, MID CHESAPEAKE BAY ISLAND, MD		959,000		8		
NJ	NAD	FDRC	NEW JERSEY BACK BAYS, NJ		1,300,000	1,300,000	3		Funding will continue the feasibility study phase
NM	SPD	ENR	RIO GRANDE, SANDIA PUEBLO TO ISLETA PUEBLO, NM	825,000		825,000		Funding will complete the feasibility study phase	
NY	NAD	ENR	HUDSON RIVER HABITAT RESTORATION, NY	355,000		355,000		Funding will complete the feasibility study phase	
NY	NAD	FDRC	NEW YORK - NEW JERSEY HARBOR & TRIBUTARIES, NY AND NJ		2,843,000	2,843,000	1		Funding will continue the feasibility study phase
NY	NAD	NHD	NEW YORK AND NEW JERSEY HARBOR DEEPENING CHANNEL IMPROVEMENTS, NY & NJ		1,500,000	1,500,000	4		New Start: Funding will initiate the feasibility study phase
PA	NAD	FDRR	FE WALTER DAM REEVALUATION STUDY, PA		1,500,000	1,500,000	2		New Start: Funding will initiate the feasibility study phase
PA	LRD	NIH	UPPER OHIO RIVER, ALLEGHENY AND BEAVER COUNTIES, PA		2,500,000	2,500,000	6		Funding will continue preconstruction, engineering and design phase
PR	SAD	NHD	SAN JUAN HARBOR IMPROVEMENT STUDY, PR		3,464,250	3,464,250	5		Funding will initiate and complete preconstruction, engineering and design phase
TX	SWD	FDRC	COASTAL TEXAS PROTECTION AND RESTORATION STUDY, TX	2,675,000		2,675,000		Funding will complete the feasibility study phase in conjunction with the fund provided in the Bipartisan Budget Control Act of 2018	

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TX	SWD	NHD	CORPUS CHRISTI SHIP CHANNEL, TX (LA QUINTA EXPANSION)		1,000,000	1,000,000	5		Funding will continue the feasibility study phase
TX	SWD	NHD	GALVESTON HARBOR CHANNEL EXTENSION, HOUSTON - GALVESTON NAVIGATION CHANNELS, TX		813,000	813,000	5		Funding will complete preconstruction, engineering and design phase
TX	SWD	NIH	GIWW - BRAZOS RIVER FLOODGATES & COLORADO RIVER LOCK, TX	50,000		50,000		Funding will complete the feasibility study phase	
TX	SWD	NHD	HOUSTON SHIP CHANNEL, TX	604,000		604,000		Funding will complete the feasibility study phase	
TX	SWD	NHD	MATAGORDA SHIP CHANNEL, TX	200,000		200,000		Funding will complete the feasibility study phase	
VA	NAD	NIL	ATLANTIC INTRACOASTAL WATERWAY BRIDGE REPLACEMENT AT NORTH LANDING, VA	1,600,000		1,600,000		Funding will complete the feasibility study phase	
VA	NAD	FDRC	CITY OF NORFOLK, VA		400,000	400,000	1		Funding will initiate preconstruction, engineering and design phase
VA	NAD	NHD	NORFOLK HARBOR AND CHANNELS, VA (DEEPENING)		3,483,500	3,483,500	4		Funding will initiate preconstruction, engineering and design phase
WA	NWD	ENR	PUGET SOUND NEARSHORE MARINE HABITAT RESTORATION, WA (DUCKABUSH RIVER ESTUARY)		710,000	710,000	8		Funding will continue preconstruction, engineering and design for Duckabush River Estuary project
WA	NWD	NHD	TACOMA HARBOR, WA		152,250	1,000,000	4		Funding will continue the feasibility study phase
WA	NWD	NHD	TACOMA HARBOR, WA		847,750		5		
XX	ERDC	RI	ACCESS TO WATER DATA	360,000		360,000		Provide access to water resources data and related water quality data to the public.	
XX	ERDC	RI	AUTOMATED INFORMATION SYSTEMS SUPPPORT TRI-SERVICE CADD/GIS TECHNOLOGY CENTER	250,000		250,000		Develop and publish geospatial standards.	
XX	ERDC	RI	COASTAL FIELD DATA COLLECTION	1,000,000		1,000,000		Operating and maintaining coastal field research facility to develop coastal flood data. Systematically measure, analyze, and assemble long term coastal data that field offices use to accomplish the Corps mission in coastal navigation and storm damage reduction.	
XX	IWR	RI	COMMITTEE ON MARINE TRANSPORTATION SYSTEMS	50,000		50,000		Fund Corps participation on the CMTS and support publication of related reports	
XX	HQ	RI	COORDINATION WITH OTHER WATER RESOURCE AGENCIES	400,000		400,000		Participation in the North American Waterfowl Management Program; National Estuary Program; and Regional Planning Bodies of the National Ocean Council. Review of environmental impacts resulting from installation of USDA project features. Review and determination of the flood control benefits of studies conducted by the Bureau of Reclamation for proposed Bureau of Reclamation projects.	
XX	HQ	RI	DISPOSITION OF COMPLETED PROJECTS	1,000,000		1,000,000		Disposition studies for Corps projects: St. Anthony Falls, Mississippi River, MN (\$350,000); Cape Fear Locks and Dams 1-3, NC (\$300,000); Salinas Reservoir (Santa Margarita Lake), CA (\$350,000)	
XX	IWR	RI	ENVIRONMENTAL DATA STUDIES	80,000		80,000		Maintain and support a web-based geospatial data system that displays national ecological data	
XX	MVD	RI	FERC LICENSING	100,000		100,000		Conduct reviews of Federal Energy Regulatory Commission (FERC) preliminary permit & license applications for development of hydroelectric power	
XX	IWR	RI	FLOOD DAMAGE DATA	230,000		230,000		Collect and maintain basic flood damage data to support research efforts and to inform specific project studies	
XX	HQ	RI	FLOOD PLAIN MANAGEMENT SERVICES	17,000,000		17,000,000		Provide site specific flood and flood plain data and assistance to State and local communities	
XX	MVD	RI	HYDROLOGIC STUDIES	500,000		500,000		Collect and study basic hydrologic data for major storm events or special hydrologic processes; Develop flood inundation data for improved real time flood forecasting	
XX	HQ	RI	INTERAGENCY AND INTERNATIONAL SUPPORT	400,000		400,000		Support other Federal agencies, international organizations and foreign governments to address problems of national significance, and to collaborate with these entities	
XX	HQ	RI	INTERAGENCY WATER RESOURCE DEVELOPMENT	100,000		100,000		Coordinate with potential non Federal sponsors	
XX	IWR	RI	INTERNATIONAL WATER STUDIES	125,000		125,000		Participation in and support of boundary water treaties and related international agreements between the United States and Canada	

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XX	IWR	RI	INVENTORY OF DAMS	400,000		400,000		Maintain and administer the National Inventory of Dams database and web site	
XX	IWR	RI	NATIONAL FLOOD RISK MANAGEMENT PROGRAM	5,000,000		5,000,000		Continue flood risk management coordination actions and plan development at the National, Regional and State levels and participate in state level intergovernmental teams to support states and local communities address flood hazard mitigation priorities	
XX	IWR	RI	NATIONAL SHORELINE MANAGEMENT STUDY	400,000		400,000		Support the Coastal Systems Portfolio Initiative	
XX	HQ	RI	PLANNING ASSISTANCE TO STATES	9,000,000		9,000,000		Provide planning and technical assistance to States and local communities for a wide variety of water resource efforts, including watershed activities benefiting environmental restoration, flood risk management, and other watershed resources	
XX	HQ	RI	PLANNING SUPPORT PROGRAM	3,500,000		3,500,000		Support Planning Associates Program, Planning Centers of Expertise, and Planning Modernization efforts	
XX	IWR	RI	PRECIPITATION STUDIES	200,000		200,000		Conduct hydro meteorological studies coordination/support with the National Weather Service	
XX	ERDC	RI	REMOTE SENSING / GEOGRAPHIC INFORMATION SYSTEM SUPPORT	75,000		75,000		Provide technical support within USACE for remote sensing and GIS	
XX	ERDC	RI	RESEARCH AND DEVELOPMENT	25,000,000		25,000,000		Take advantage of rapidly developing technologies and techniques that will promote significant monetary savings and greater reliability, safety, enhanced efficiency, and environmental sustainability in planning, design, construction, operation and maintenance of civil works activities, which include Navigation (including Hydropower); Flood and Coastal Storm Damage Reduction; Emergency Management, Water Supply, and Recreation; and Environmental (including Regulatory)	
XX	ERDC	RI	SCIENTIFIC AND TECHNICAL INFORMATION CENTERS	50,000		50,000		Gather and disseminate information as required by P.L. 99 802, Federal Technology Transfer Act of 1986	
XX	HQ	RI	SPECIAL INVESTIGATIONS	1,000,000		1,000,000		Support efforts on requests from sources outside the Corps of Engineers, for information relating to unauthorized projects and other unauthorized and unfunded projects and/or activities, and which are not accomplished with a view toward determining whether a project can be developed.	
XX	IWR	RI	STREAM GAGING	550,000		550,000		Reimburse USGS for operation and maintenance of 2,500 stream gaging stations and data collection	
XX	IWR	RI	TRANSPORTATION SYSTEMS	1,000,000		1,000,000		Fund information and technical services and support for navigation projects; Update Regional Economic System Modeling tool	
XX	HQ	RI	TRIBAL PARTNERSHIP PROGRAM	2,500,000		2,500,000		Funds will be used to initiate, continue, and complete studies with Tribes and to build strategic partnerships	
			GRAND TOTAL	77,177,000	47,823,000	125,000,000			

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1/ KEY:	FUNDING POT NAME	ADDITIONAL FUNDING
1	FLOOD AND STORM DAMAGE REDUCTION	6,573,000
2	FLOOD AND STORM DAMAGE REDUCTION (FLOOD CONTROL)	4,500,000
3	FLOOD AND STORM DAMAGE REDUCTION (SHORE PROTECTION)	2,000,000
4	NAVIGATION	10,000,000
5	NAVIGATION (COASTAL AND DEEP-DRAFT)	9,000,000
6	NAVIGATION (INLAND)	5,500,000
7	OTHER AUTHORIZED PROJECT PURPOSES	6,500,000
8	OTHER AUTHORIZED PROJECT PURPOSES (ENVIRONMENTAL RESTORATION OR COMPLIANCE)	3,750,000
FDRR	FLOOD DAMAGE REDUCTION RIVERINE	
FDRC	FLOOD DAMAGE REDUCTION COASTAL	
FOTH	FLOOD DAMAGE REDUCTION OTHER	
NHS	COASTAL NAVIGATION SHALLOW DRAFT	
NHD	DEEP DRAFT NAVIGATION COASTAL	
NIH	INLAND WATERWAYS HIGH USE	
NIL	INLAND WATERWAYS LOW USE	