

PLANNING ASSISTANCE TO STATES & FLOOD PLAIN MANAGEMENT SERVICES REMAINING ITEMS INVESTIGATIONS

TECHNICAL SERVICE PROGRAM UPDATE

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US Army Corps
of Engineers®



REMAINING ITEMS TECHNICAL SERVICES

Planning Assistance to States (PAS)

Purpose – Make USACE expertise available for efforts pertaining to planning for water and related resources.

Authority – Section 22, WRDA 1974, as amended

Flood Plain Management Services (FPMS)

Purpose - Foster understanding of flood risks and flood risk management, and promote prudent use and management of floodplains.

Authority – Section 206 of the Flood Control Act of 1960

PAS and FPMS have the flexibility and resources to address water resources problems from a local or regional perspective.



PLANNING ASSISTANCE TO STATES

Who can sponsor a PAS study

A state; **group of states**;
Non-federal public bodies;
Federally-recognized Indian Tribes;
Specified territories;
Not for profits;
Regional coalition of government entities.

Work Description: Efforts and services pertaining to the planning for and technical analysis of water and related resources of a drainage basin, watersheds or ecosystems or larger region of a state.

Comprehensive Water Resources Planning

Planning for the development, utilization, and conservation of the water and related resources of drainage basins, watersheds, or ecosystems, including plans to comprehensively address water resources challenges such as the state water plan.

Typical water resources problems and opportunities included in comprehensive state water resource planning efforts include: flood risk management, water supply, water conservation, environmental restoration, water quality, hydropower, erosion, navigation, fish and wildlife, cultural resources, and environmental resources.

Funding Restrictions:

Comprehensive Water Resources Planning: Cost shared 50% local-50% Federal, with the local contribution in cash or as work in kind. **Sponsor contributed funds** are allowable.

\$484,000 cost share waiver are available for Indian tribes, the Commonwealth of Puerto Rico, Guam, American Samoa, the Virgin Islands, the Commonwealth of the Northern Marianas, and the Trust Territory of the Pacific Islands.

Technical Assistance

Technical work related to management of state water resources in support of a water resources management plan, related land resources development plan or other water resources management related planning documents.

Coastal assessments for natural and nature-based infrastructure, stream and wetland assessments, sewer and stormwater infrastructure inventories and databases, coast-shed and watershed planning, flood risk assessments, GIS mapping, water supply demands, etc.

Funding Restrictions:

Technical Assistance: Cost shared 50% local-50% Federal, with the local contribution in cash. **Sponsor contributed funds** are allowable.



PAS – STREAM RESTORATION AT LITTLE BULL RUN AT PRINCE WILLIAMS COUNTY, VA



Partner: Prince William County, VA

Prince William County, VA, requested assistance to develop a sustainable plan to eliminate/reduce erosion within Little Bull Run, which drains approximately 186 square miles. USACE will:

- Conduct field investigations
- Complete surveys
- Prepare a technical report describing the methodology used and the results of the study, including conceptual restoration plans

The planning-level report will estimate the potential water quality improvements and recommendation for future modeling.

Total project costs: \$60K

Federal funding to date: \$30K

Non-Federal funding to date: \$30K



FLOOD PLAIN MANAGEMENT SERVICES

Who can participate – Non-federal interests, Federal agencies and private sector entities.

Work Description: Provide a full range of information, technical services, and planning guidance and assistance on floods and flood plain issues through advice, education, information and technical support to state, regional or local governments; other non- Federal public agencies and Indian tribes.

General Technical Services

Communicate readily available information and assist with floodplain and flood risk issues

Special Studies

Assistance and guidance on all aspects of floodplain management planning, including off-floodplain uses that may affect the floodplain.

Flood inundation tools and mapping, risk communication, flood risk assessments, mitigation planning, post-flood documentation, emergency table top exercises, flood preparedness, nonstructural floodplain management support, evacuation planning, etc.

Funding Restrictions:

FPMS support is 100% federally funding, with potential for a non-Federal interest to provide additional voluntary contributions.

Other Federal agencies and private persons on a cost recovery basis.

National Nonstructural Committee

Provides technical expertise on all aspects of nonstructural flood risk reduction adaptive measures, focusing on reducing the consequences of flooding.

Interagency Nonstructural

Promotes small flood risk management efforts that emphasize development and implementation of nonstructural approaches to manage and reduce flood risks. These efforts are undertaken in conjunction with partners to achieve benefits that could not be achieved by any one party alone.

National Hurricane Program

Works closely with emergency management organizations to maintain the capability and capacity to respond to the threats posed by coastal storms.

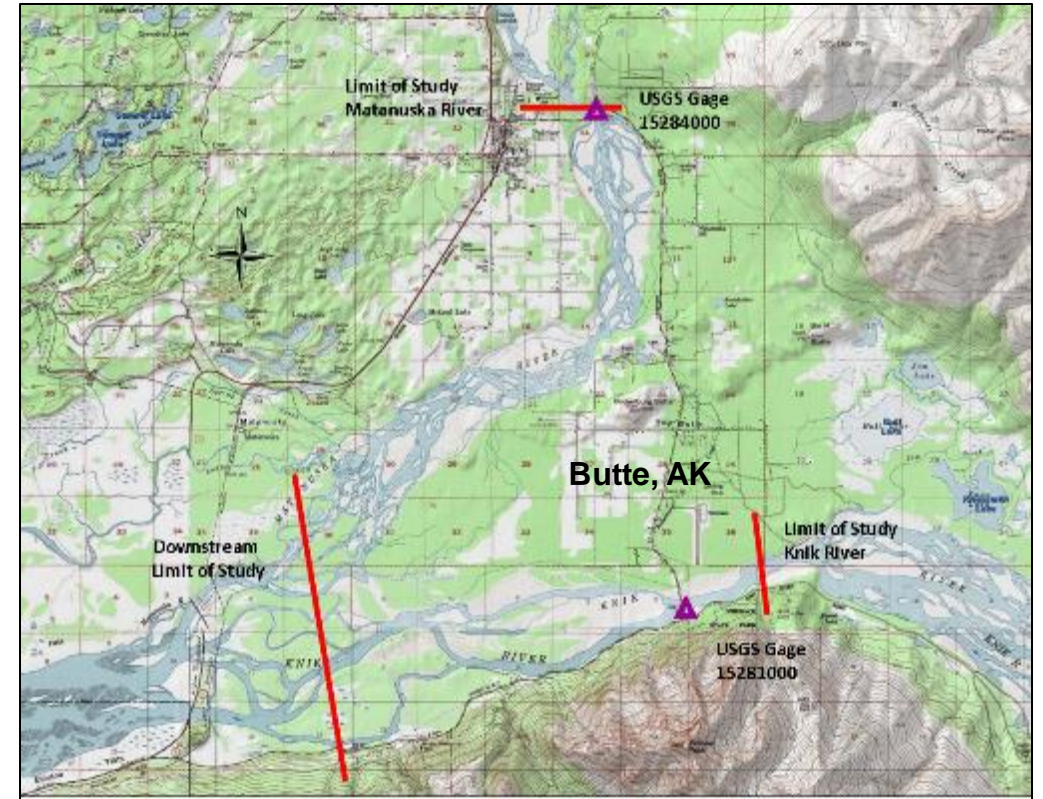
Funding Restrictions:

Cost reimbursable or cost shared.

FLOOD PLAIN MANAGEMENT SERVICES

Knik-Matanuska Floodplain Study (May 2014)

In June 2012, the Butte area was moderately flooded. The USGS attributed the high flows in the Matanuska and Knik Rivers to a quick snowmelt due to warmer than normal temperatures. This special floodplain study was initiated in response to multiple inquiries to the US Army Corps of Engineers (USACE) for floodplain elevation information in the Bodenburg Butte area of the Matanuska-Susitna Borough (MSB), Alaska. The 10-, 25-, 50-, 100- and 500-year profiles were derived from the calibrated HEC-RAS models developed for the Knik and Matanuska Rivers. The one-percent-chance exceedance flow for the Matanuska and Knik Rivers were mapped per FEMA detailed riverine analysis procedures.



**LOCATION AND VICINITY
BODENBURG BUTTE, AK STUDY AREA**



CURRENT INVESTIGATIONS LANDSCAPE

(SOURCE: FY 2020 CW BUDGET, USACE, MARCH 2019)



Investigations: Work and efforts providing local communities with technical and planning assistance

Investigations Remaining Items: Work and efforts providing local communities with technical and planning assistance that are not specified for use on a study within a particular state.

What does this mean?

NOT FOR PUBLIC RELEASE BEFORE 12:00 o'clock noon EST on the day the President's Budget is presented to Congress

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS CIVIL WORKS FISCAL YEAR 2020 BUDGET

The Fiscal Year (FY) 2020 Budget provides \$4,827,000,000 for the Civil Works program of the U.S. Army Corps of Engineers. The Civil Works program supports water resource development, management, and restoration through investigations and surveys, engineering and design, construction, and operation and maintenance as authorized by Congress. 2020 requested appropriations and current estimates of additional new resources are as follows:

Appropriations Accounts:	Amount (\$)
Investigations	77,000,000
Construction	1,170,200,000
Operation and Maintenance	1,930,428,000 ¹
Regulatory Program	200,000,000
Mississippi River and Tributaries	209,872,000
Expenses	187,000,000
Flood Control and Coastal Emergencies	27,000,000
Assistant Secretary of the Army for Civil Works	5,000,000
Inland Waterways Trust Fund	55,500,000
Harbor Maintenance Trust Fund	965,000,000
TOTAL	4,827,000,000

SUMMARY, INVESTIGATIONS

	BUSINESS LINE	BUDGET
Studies Listed Under States:		26,032,000
Disposition of Completed Projects 1/	N	[1,000,000]
Tribal Partnership Program 2/	E, F	[452,000]
Items Not Listed Under States:		
Access to Water Data	E, F, N	360,000
Automated Information Systems Support Tri-CADD	E, F, N	250,000
Coastal Field Data Collection	F	1,000,000
Committee on Marine Transportation Systems	N	50,000
Coordination with Other Water Resource Agencies 3/	E, F, N	350,000
Environmental Data Studies	E	80,000
FERC Licensing	E, F, N	100,000
Flood Damage Data	F	230,000
Flood Plain Management Services	F	15,000,000
Hydrologic Studies	F	500,000
International Water Studies	F	125,000
Interagency Water Resource Development	E, F, N	100,000
Inventory of Dams	F	400,000
National Flood Risk Management Program	F	5,000,000
Planning Assistance to States	F	5,000,000
Planning Support Program	E, F, N	3,500,000
Precipitation Studies	F	200,000
Remote Sensing/Geographic Information System Support	E, F, N	75,000
Research and Development	E, F, N	13,000,000
Scientific and Technical Information Centers	E, F, N	50,000
Special Investigations	E, F, N	1,000,000
Stream Gaging	F	3,550,000
Transportation Systems	N	1,000,000
Tribal Partnership Program 2/	E, F	48,000
Subtotal - Items Not Listed Under States		50,968,000
Total - Investigations Appropriation		77,000,000 4/

1/ These studies are funded in Disposition of Completed Projects.

2/ These studies are funded in the Tribal Partnership Program of which \$48,000 is for program management activities and does not show up in the listing by state amount.

3/ Includes CALFED, Chesapeake Bay Program, Gulf of Mexico, Lake Tahoe, Pacific Northwest Case, Interagency and International Support, and National Shoreline Management Study.

4/ Excludes cash contributions from cost-sharing partners and contributions of 100% of the cost of certain other work.



INVESTIGATIONS LANDSCAPE

WHAT DOES THIS MEAN?

Congressional and Administrative wants us to succeed

**Funding: PAS and FPMS = 26% of Investigations budget
Increased appropriations over the last 3 fiscal years**

**Legislation: Broadened who can sponsor a study
Raised programmatic appropriations ceiling
Increased cost share waivers for underserved communities**

WHY THIS IS IMPORTANT

PAS and FPMS have the flexibility and resources to address water resources problems from a local or regional perspective.



PAS AND FPMS PROCESS



1. Identify a water resourced related problem

Outreach to high/moderate risk communities; comprehensive planning priority areas; known needs; visioning sessions; in the course of ongoing investigations, i.e., issues identified, but not suitable for a GI or CAP study

2. Identify the most suitable USACE program

PAS – Water resources problems and planning
FPMS – Flood plains and flooding

3. Develop problem statement/scope

Developed with the sponsor/customer.



PAS AND FPMS PROCESS



Planning Assistance to States

4. Coordinate and execute a project partnership agreement

Reference

<https://www.usace.army.mil/Missions/Civil-Works/Project-Partnership-Agreements/>

5. Request/receive funding

Available upon request, first come first served

6. Execute study

12-24 month performance period

Flood Plain Management Services

4. Request/receive funding

Available upon request, first come first served

5. Execute study

12-24 month performance period



Questions?

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