

Water Resources Reform and Development Act (WRRDA) of 2014

Section 1002: Consolidation of Studies

Annual Report to Congress for Fiscal Year 2019

This annual report was prepared to meet the requirements of Section 905 of the Water Resources Development Act (WRDA) of 1986, as amended (33 U.S.C. §2282). This report provides the status of detailed project schedules for feasibility studies as of August 20, 2019.

Background

Section 905(g) establishes reporting and notification requirements for feasibility study schedules, including an annual Report to Congress.

Section 905 established a requirement to notify non-federal interests of project schedules and milestones, and subsequent notification if a milestone is missed. Subsection (g)(3) directs the Secretary as follows.

(3) NON-FEDERAL INTEREST NOTIFICATION- Each District Engineer shall submit by certified mail the detailed project schedule under paragraph (2) to each relevant non-Federal interest-

(A) for projects that have received funding from the General Investigations Account of the Corps of Engineers in the period beginning on October 1, 2009, and ending on the date of enactment of this subsection, not later than 180 days after the establishment of milestones under paragraph(1); and

(B) for projects/or which a feasibility cost-sharing agreement is executed after the establishment of milestones under paragraph (1), not later than 90 days after the date on which the agreement is executed.

The U.S. Army Corps of Engineers (Corps) issued implementation guidance for Districts as follows:

- Every feasibility study schedule must be pre-coordinated with the Corps vertical team, including the Headquarters, Division, and District.
- For each study, the District Engineer must provide the study milestone schedule to each non-federal sponsor via certified mail within ninety (90) days of signing the FCSA or receiving funding to resume a study. The vertically aligned milestone schedule will also be made publicly available, including placement on the District's website.

- Within thirty (30) days of missed deadlines for the published project schedule, the District Engineer will submit to the non-federal sponsor a report detailing why the District Engineer failed to meet the deadline and a revised schedule reflecting amended, vertically-aligned, deadlines for the feasibility study. The revised schedule will be made publicly available, including placement on the District's website.

Section 905(g)(4) directs the Secretary to submit an annual report of all feasibility studies and the detailed schedules that were provided to non-federal interests. The exact language is as follows.

(4) CONGRESSIONAL AND PUBLIC NOTIFICATION - Beginning in the first full fiscal year after the date of enactment of this subsection, the Secretary shall-

(A) submit an annual report that lists all detailed project schedules under paragraph (2) and an explanation of any missed deadlines to the Committee on Environment and Public Works of the Senate and the Committee on Transportation and Infrastructure of the House of Representatives; and

(B) make publicly available, including on the Internet, a copy of the annual report described in subparagraph (A) not later than 14 days after date on which a report is submitted to Congress.

The attached table responds to this Congressional notification requirement. This report will be publicly available, along with other previous Section 905 reports to Congress, on the U.S. Army Corps of Engineers website: https://www.usace.army.mil/Missions/Civil-Works/Project-Planning/WRRDA2014_Section1002/.

Fiscal Year 2019 Study Schedules

As required by Section 905, the District Engineers provided data on study milestones, revised schedules, and explanations of missed milestones, as applicable. Section 905 report, Corps headquarters has delegated policy review and final report approval for most studies to the Division which eliminates the requirement to track Division (MSC) final transmittal of final feasibility report as a separate deadline.

Since the FY2017 the following subset of established feasibility study milestones marking significant decision points were used for establishing detailed schedules and for notification and reporting purposes.

1. Release of draft feasibility report for public comment and concurrent review
2. District Engineer submits final feasibility report
3. Signed Chief's Report or other decision document (e.g., Director's Report)

Table 1 captures the schedules for feasibility studies as of August 20, 2019, and

provides explanations for missed milestones.

Studies initiated within 90 days of August 20, 2019 do not yet have established schedules to report; consistent with the requirements of Section 905, the non-federal sponsor will be notified of the schedule within 90 days of study initiation.

This report also provides the actual schedules for the 15 studies that were completed and the 7 studies identified for termination since the last 905 Report.

FY2018 Report to Congress
Section 1002: Consolidation of Studies

Table 1		Schedule Dates Provided to Non-Federal Sponsor			Explanation of Adjustments	Revised Schedule Dates Provided to Non-Federal Sponsor		
MSC	Study Name	Release of Draft Report	District Engineer Submits Final Feasibility Report	Signed Chief's or Director's Report	Explanation of any missed milestones or schedule adjustments	Release of Draft Report	District Engineer Submits Final Feasibility Report	Signed Chief's Report or Director's Report
LRD	Bay Mills Shoreline Erosion, MI **	9/25/20	1/29/21	4/30/21				
LRD	Du Page River, IL	8/1/18	2/26/19	7/15/19	The feasibility study is completed, actual dates are reported.	8/1/18	2/26/19	7/11/19
LRD	Ecorse Creek, MI	11/15/18	12/15/18	2/15/19	The array of alternatives studied were not justified, the feasibility study confirmed the authorized project.	11/15/18	8/12/19	9/13/19
LRD	Metro Louisville, KY Flood Protection System	10/28/19	4/30/20	9/30/20				
LRD	Rio Grande de Manati, PR (Ciales)	12/6/19	6/25/20	10/9/20				
LRD	Rio Guayanilla, PR	10/30/19	3/24/21	9/23/21				
LRD	Westminster, CA (East Garden Grove)	10/19/18	9/10/19	1/31/20	Minor change to the Final Feasibility Report date.	10/19/18	9/30/19	1/31/20
MVD	Amite River & Tributaries East of the Mississippi River, LA	12/4/19	4/14/21	10/1/21				

* Sandy Supplemental Funded Study

** Tribal Partnership Program Feasibility Study

Table 1: Schedules and Explanations of Missed Deadlines

Table 1		Schedule Dates Provided to Non-Federal Sponsor			Explanation of Adjustments	Revised Schedule Dates Provided to Non-Federal Sponsor		
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MVD	Brandon Road, Interbasin Control of Great Lakes Mississippi River Aquatic Nuisance Species, IL, IN, OH, WI	8/7/17	7/25/18	2/1/19	The feasibility study is completed, actual dates are reported.	8/7/17	7/25/18	5/23/19
MVD	Inner Harbor Navigation Canal GRR/SEIS, LA	1/6/17	5/20/19	11/1/19				
MVD	Lake Pontchartrain & Vicinity, LA: GRR for Levee Lifts	12/10/19	3/15/21	10/7/21				
MVD	Lower Santa Cruz River, AZ	12/31/17	2/27/19	8/30/19	The feasibility study schedule has been delayed due to a request by the Gila River Indian Community to initiate formal Government-to-Government Consultation, no revised schedule to report at this time.			
MVD	Memphis Wolf River Backwater Levee System, TN	2/7/20	2/1/21	8/6/21				
MVD	Mississippi River Ship Channel, Port of New Orleans, LA	4/22/20	8/15/21	2/11/22				
MVD	North Desoto County	1/10/20	3/12/21	8/15/21				
MVD	Souris River Basin, ND	9/29/17	8/10/18	12/21/18	The feasibility study is completed, actual dates are reported.	10/1/17	11/1/18	4/16/19

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MVD	South Central Coast, LA	12/2/19	4/9/21	10/8/21				
MVD	St. Louis Riverfront Meramec/Big River/St. Louis Mississippi River Front, MO, IL	4/19/18	2/28/19	8/31/19	The feasibility study schedule was delayed in order to conduct remediation investigation conducted by Environmental Protection Agency.	4/19/18	5/15/19	11/27/19
MVD	Upper Barataria Louisiana CSRM Study	12/9/19	4/21/21	10/8/21				
MVD	West Bank & Vicinity, LA	12/10/19	3/15/21	10/7/21				
NAD	Anacostia Watershed Restoration, Prince Georges County, MD	6/1/16	1/11/18	10/25/18	The feasibility study is completed, actual dates are reported.	6/1/16	1/11/18	12/19/18
NAD	Atlantic Intracoastal Waterway Bridge Replacement at North Landing, VA	2/28/19	1/14/20	8/14/20	The feasibility study was delayed at the draft report stage due to cost engineering issues.	3/25/19	2/18/20	8/14/20
NAD	City of Norfolk, VA (Sandy Focus Area) aka Flood Risk Management Studies, Norfolk, VA	10/27/17	7/20/18	1/31/19	The feasibility study is completed, actual dates are reported.	10/27/17	7/20/18	2/4/19
NAD	Collier County Beach Erosion Control, FL	12/16/19	4/20/21	9/24/21				

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NAD	Delaware River Dredge Material Utilization, DE*	11/23/16	3/16/18	11/30/18	The feasibility study is delayed due to lack of a sufficient Sponsor support, no revised schedule to report at this time.			
NAD	Delaware River Dredge Material Utilization, NJ*	10/18/17	9/11/18	2/7/19	The feasibility study is delayed due to informal consultation with US Fish and Wildlife Service, no revised schedule to report at this time.			
NAD	Fairfield and New Haven Counties, CT	1/15/19	12/15/19	6/15/20	The feasibility study is delayed due to a delay in non-Federal Sponsor funding, no revised schedule to report at this time.			
NAD	Fire Island to Montauk Point (FIMP) Reformulation, NY*	7/19/16	12/21/18	4/30/19	The feasibility study is delayed due to Department of Interior coordination on a mutually acceptable plan, no revised schedule to report at this time.			
NAD	Hudson Raritan Estuary, NY & NJ - Jamaica Bay, Bronx River, Flushing Bay, Hackensack, Lower Passaic River	2/27/17	6/18/19	10/31/19	The feasibility study is comprised of six studies, additional time is needed to finalize the designs for 22 sites and address policy issues for the identified work.	2/27/17	12/16/19	4/20/20
NAD	Hudson River Habitat Restoration, NY	3/8/19	4/21/20	8/30/20	The feasibility study is delayed in order to perform additional site screening needed to identify the tentatively selected plan, no revised schedule to report at this time.			
NAD	Miami Back Bay, Florida	3/11/20	5/20/21	9/24/21				
NAD	Monroe County, Florida	3/10/20	5/13/21	9/24/21				

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NAD	Nassau County Back Bays, NY (Sandy Focus Area)	5/30/18	3/30/19	9/30/19	The feasibility study is delayed due to geographic and hydrodynamic complexities in the system, no revised schedule to report at this time.			
NAD	New Haven Harbor Deepening, CT	4/27/18	3/15/19	9/10/19	The feasibility study was delayed due to economic modeling.	9/27/18	7/18/19	12/4/19
NAD	New Jersey Backbay, NJ (Sandy Focus Area)	12/26/17	9/2/18	4/5/19	The feasibility study's schedule has extended due to the study scope and complexity.	3/10/20	11/10/21	4/11/22
NAD	New York and New Jersey Harbor, NY & NJ (Anchorages)	1/31/19	11/30/19	6/30/20	The feasibility study's schedule has been shortened.	6/6/19	11/12/19	4/20/20
NAD	New York and New Jersey Harbor and Tributaries, NY & NJ (Sandy Focus Area)	1/31/20	3/30/21	10/31/21	The feasibility study's schedule has extended due to the study's scope and complexity.	3/16/20	11/16/20	7/15/22
NAD	Passaic River Tidal Protection Area, NJ*	9/29/17	11/16/18	3/30/19	The feasibility study is completed, actual dates are reported.	9/29/17	4/9/19	8/16/19
NAD	Passamaquoddy Pleasant Point, ME **	11/20/18	9/11/19	2/12/20	This feasibility study is terminating, no further reporting is required.			
NAD	Pawcatuck River Coastal study, RI (PL 113-2)*	10/19/16	12/21/17	9/30/18	The feasibility study is completed, actual dates are reported.	10/18/16	12/21/17	12/19/18

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NAD	Peckman River Basin, NJ	5/7/18	3/11/19	10/9/19	The feasibility study completion date has been delayed due to flash flooding revealed conditions which required updated modelling, no revised schedule to report at this time.			
NAD	Rahway River Basin, NJ	11/26/16	11/30/17	6/31/18	This feasibility study is terminating, no further reporting is required.			
NAD	Rahway River Basin, NJ*	5/26/17	6/28/19	10/30/19	The feasibility study is delayed due to the need for the Sponsor to remediate site, no revised schedule to report at this time.			
NAD	Rhode Island Coastline, RI	8/30/20	9/31/21	3/28/22				
NAD	East Rockaway Inlet to Rockaway Inlet and Jamaica Bay, NY (PL 113-2)*	8/18/16	12/30/18	4/22/19	The feasibility study was delayed due to the 2019 partial Government shutdown.	8/18/16	5/10/19	9/13/19
NAD	Upper Connecticut River, VT	4/30/20	7/9/21	11/30/21				
NAD	Upper Susquehanna Comprehensive Flood Damage Reduction, NY	4/2/18	12/5/18	7/24/19	This feasibility study is terminating, no further reporting is required.			
NAD	Westchester County Streams, Byram River, NY	6/28/18	7/25/19	1/30/20	The feasibility study's schedule has a slight adjustment to the final report date.	6/28/18	8/26/19	1/30/20

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NWD	Adams and Denver County, CO	7/2/18	12/9/18	7/31/19	The feasibility study is completed, actual dates are reported.	7/2/18	1/31/19	7/29/19
NWD	Grand River Basin, MO	10/29/18	4/26/19	8/29/19	The feasibility study's schedule was delayed because record flooding impacted the study site delaying analyses required to conduct study and limiting resources available for the effort.	9/19/19	5/19/20	12/1/20
NWD	Lower Brule, SD **	9/10/18	12/15/18	1/31/19	The feasibility study's schedule was delayed in order to resolve policy issues.	11/21/18	6/5/19	9/30/19
NWD	Mill Creek, Walla Walla County, WA	1/15/20	12/15/20	8/2/21				
NWD	Papillion Creek, NE	10/15/19	1/4/21	6/22/21				
NWD	Portland Metro Levee System	12/5/19	4/2/21	10/3/21				
NWD	Prairie Band Potawatomi Nation, Soldier Creek, KS **	7/22/20	11/1/21	11/1/2020 ***				
NWD	Puyallup River Basin Flood Risk Management Feasibility Study, WA	3/15/16	3/15/17	9/30/17	This feasibility study is terminating, no further reporting is required.			

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NWD	Sweetwater Creek, ID **	6/19/20	9/23/21	9/30/21				
NWD	Tacoma Harbor, WA	11/21/19	3/31/21	8/23/21				
NWD	Valley Creek, AL Flood Risk Management Study	11/8/19	4/1/21	9/24/21				
NWD	Willamette River Basin Review, OR	11/7/17	6/6/18	3/5/19	The feasibility study was delayed due to required Endangered Species Act coordination.	11/7/17	6/6/18	11/18/19
POD	Barrow Coastal Storm Damage Reduction, AK	8/28/18	4/1/19	7/30/19	The feasibility study schedule was delayed in order to resolve issues between draft and final report.	8/30/18	6/14/19	10/18/19
POD	Elim Subsistence Harbor Study - Sec 203 **	11/1/19	10/1/20	3/15/21	The feasibility study experienced a few minor delays due to the remote location. No negative impact to the completion date of the study.	1/6/20	10/28/20	3/12/21
POD	Iao Stream, Maui, HI	1/15/20	11/15/20	5/18/21				
POD	Kenai Bluffs Erosion, AK	6/15/17	8/28/18	11/28/18	The feasibility study is completed, actual dates are reported.	6/23/17	11/15/18	4/10/19

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POD	Kotzebue Navigation Improvement, AK	5/15/17	5/21/18	10/1/18	This feasibility study is terminating, no further reporting is required.			
POD	Lowell Creek Tunnel Flood Diversion, AK	7/10/18	4/19/19	8/9/19	The feasibility study required additional analysis on the dam safety feature, no schedule to report at this time.			
POD	Port of Nome Modification, AK	1/18/19	10/21/19	2/18/20	The feasibility study is delayed in order to process a policy waiver for completing the environmental coordination in the next phase, no schedule to report at this time.			
POD	St. George Navigation Improvement, AK	3/30/18	9/5/18	1/25/19	The feasibility study's schedule was delayed due to additional formulation needed to identify the recommended plan.	8/20/18	10/4/19	3/6/20
POD	Unalaska, Port of Dutch Harbor Channel	3/20/18	11/23/18	7/18/19	The feasibility study is delayed in order to process a policy waiver for completing the environmental coordination in the next phase, no schedule to report at this time.			
POD	Whittier Harbor, AK	6/28/18	10/5/18	1/14/19	Completion of the feasibility study is delayed pending receipt of the Letter of Concurrence from the State of Alaska on the Water Quality Certification, no schedule to report at this time.			
SAD	Brunswick Harbor, GA	6/11/20	6/11/21	4/11/22				
SAD	Charleston Peninsula, SC	6/9/20	6/23/21	10/8/21				

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SAD	Dade County, FL	6/9/20	6/23/21	10/8/21				
SAD	Folly Beach, SC	12/20/19	4/12/21	10/12/21				
SAD	Lake Okeechobee Watershed, FL	2/28/18	12/18/18	7/28/19	The feasibility study was delayed to resolve water quality cost share language and allow for tribal coordination.	7/6/18	12/13/19	4/30/20
SAD	Loxahatchee River Watershed Restoration, FL	8/10/17	6/12/18	1/9/19	The feasibility study was delayed to complete modeling of the alternatives.	3/22/19	11/6/19	3/16/20
SAD	Miami harbor Improvements, FL	4/1/20	12/16/20	9/3/21				
SAD	Mobile Harbor, AL	7/27/18	4/12/19	11/4/19	The feasibility study's schedule for the final report submission was delayed slightly to allow additional time to conduct oyster distribution modeling, aquifer analysis and ship wake analysis.	7/27/18	5/6/19	11/4/19
SAD	Okaloosa County, FL	5/29/20	3/23/21	9/23/21				
SAD	Pinellas County, FL	6/9/20	6/23/21	10/8/21				

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SAD	Proctor, Fulton County, Flood Risk Management Study, GA	1/28/20	10/30/21	6/30/21				
SAD	Puerto Rico Study, PR	6/9/20	4/5/21	10/8/21				
SAD	Rio Culebrinas, PR	Not applicable	8/26/19	12/2/19				
SAD	San Juan Metro Area CSRM Study, PR	5/18/20	4/5/21	9/17/21				
SAD	Savan Gut Phase II, St. Thomas, USVI	Not applicable	8/26/19	12/2/19				
SAD	Selma, AL	12/20/19	3/31/21	9/28/21				
SAD	Turpentine Run, St. Thomas, USVI	Not applicable	8/26/19	12/2/19				
SAD	San Francisco Bay to Stockton, CA	8/3/17	7/25/18	1/22/19	The feasibility study was delayed to incorporate the Port's intent to issue a Notice of Preparation for California Environmental Quality Act documentation of navigation improvements, no revised schedule to report at this time.			

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SAD	Sweetwater Creek, GA	4/6/18	12/21/18	1/31/19	The feasibility study is completed, actual dates are reported.	4/6/18	3/26/19	5/18/19
SAD	Western Everglades Restoration Project	4/30/19	1/27/20	6/11/20	The feasibility study was delayed in identifying the tentatively selected plan, no revised schedule to report at this time.			
SPD	Carpinteria, CA	8/6/18	3/12/19	9/10/19	The feasibility study was reactivated 1/23/19, no revised schedule to report at this time.			
SPD	Corte Madera Creek, CA	12/11/17	12/3/18	5/31/19	This feasibility study is terminating, no further reporting is required.			
SPD	Dry Creek (Warm Springs) Restoration, CA	9/29/17	10/8/18	4/5/19	The feasibility study is completed, actual dates are reported.	9/29/17	8/31/18	3/29/19
SPD	East San Pedro Bay, CA	7/30/18	8/30/19	2/28/20	The feasibility study is delayed in order to negotiate with the sponsor regarding breakwater removal, no revised schedule to report at this time.			
SPD	LA County Flood Control System, CA (LACDA)	4/15/20	7/14/21	11/15/21				
SPD	Little Colorado (Winslow), AZ	5/27/16	7/19/18	12/13/18	The feasibility study is completed, actual dates are reported.	5/26/16	7/19/18	12/14/18

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SPD	Clear Creek Ecosystem Resortation, Mechoopda Indian Tribe TPP, CA **	8/31/20	1/31/21	1/31/2021 ***				
SPD	Malibu Creek Watershed, CA	1/27/17	3/30/18	11/30/18	The feasibility study is delayed due to additional coordination with National Marine Fish Services and a policy determination, no schedule to report at this time.			
SPD	Middle Rio Grande Bernalillo to Belen, NM	8/14/17	10/18/18	2/25/19	The feasibility study schedule was extended in order to provide additional analysis required to identify the feasible plan.	9/14/17	7/10/19	4/30/20
SPD	North West El Paso Feasibility Study, NM	7/6/18	4/30/19	9/27/19	The feasibility study schedule is delayed in order to provide additional analysis required to identify the feasible plan, a revised schedule is not available at this time.			
SPD	Pajaro River, CA	10/1/17	9/22/18	2/4/19	The feasibility study schedule was extended in order to provide additional analysis required to identify the feasible plan.	10/31/17	10/25/18	9/5/19
SPD	Port of Long Beach Navigation Improvements, CA	2/16/18	1/18/19	7/10/19	The feasibility study schedule was extended to include the updating of the Port's Master Plan and developing the California Environmental Quality Act document delayed the schedule.	10/18/19	12/20/20	9/27/21
SPD	Prado Basin, CA	9/14/18	8/21/19	2/18/20	The feasibility study schedule is delayed to resolve issues related to size and extent of project operation and maintenance, a revised schedule is not available at this time.			
SPD	Rio Grande, Sandia Pueblo to Isleta Pueblo, NM	8/8/18	2/14/19	8/16/19	The feasibility study is completed, actual dates are reported.	8/8/18	3/1/19	8/5/19

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Table 1: Schedules and Explanations of Missed Deadlines

Table 1		Schedule Dates Provided to Non-Federal Sponsor			Explanation of Adjustments	Revised Schedule Dates Provided to Non-Federal Sponsor		
MSC	Study Name	Release of Draft Report	District Engineer Submits Final Feasibility Report	Signed Chief's or Director's Report	Explanation of any missed milestones or schedule adjustments	Release of Draft Report	District Engineer Submits Final Feasibility Report	Signed Chief's Report or Director's Report
SPD	San Francisco Waterfront Storm Damage Reduction, CA	11/3/19	4/2/21	9/3/21				
SPD	San Francisquito Creek, CA	11/13/18	5/27/19	10/29/19	This feasibility study is terminating, no further reporting is required.			
SPD	San Joaquin Delta Islands and Levees, CA	4/18/14	7/6/18	12/7/18	The feasibility study is completed, actual dates are reported.	4/18/14	7/6/18	12/7/18
SPD	Yuba River Ecosystem Restoration, CA	1/5/18	1/11/19	7/31/19	The feasibility study is completed, actual dates are reported.	1/5/18	1/15/19	6/20/19
SWD	Brazos River, Fort Bend County Erosion Mgmt Study, TX	12/23/19	6/16/21	10/8/21				
SWD	Buffalo Bayou and Tributaries Resiliency Study, TX	6/17/20	4/15/21	10/1/21				
SWD	Coastal Texas Protection and Restoration Study, TX	7/25/18	10/20/20	4/29/21	The feasibility study was delayed due to a significant number of comments on the draft report.	10/17/18	1/22/21	5/14/21
SWD	Corpus Christi Ship Channel La Quinta Expansion, TX	12/11/19	12/11/20	9/27/21				

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SWD	GIWW - Brazos River Floodgates & Colorado River Lock, TX	2/12/18	4/9/19	7/29/19	The feasibility study is delayed due to ongoing coordination with resource agencies, no revised schedule to report at this time.			
SWD	Guadalupe-San Antonio Rivers, TX (Lower Guadalupe)	6/12/19	7/29/19	2/28/20	The feasibility study was delayed due to do the need for additional modeling.	8/27/19	5/29/20	11/25/20
SWD	Houston Ship Channel, TX	9/1/17	5/10/19	10/28/19	The feasibility study was delayed due to coordination with the non federal sponsor regarding the recommended plan.	9/1/17	12/11/19	4/29/20
SWD	Jefferson County Shore Protection, TX	6/28/18	4/4/19	7/5/19	The feasibility study was delayed due to a pause in the study at the request of the Non-Federal Sponsor and ongoing coordination with resource agencies.	6/27/18	2/25/19	9/21/19
SWD	Matagorda Ship Channel, TX	5/7/18	3/4/19	8/19/19	The feasibility study was delayed due to ongoing coordination with resource agencies.	5/7/18	5/13/19	9/30/19
SWD	Mitchell Lake, San Antonio, TX	2/6/20	12/15/20	5/17/21				
SWD	Tulsa West Tulsa, OK	9-Sep-19	31-May-20	9/31/2020				

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