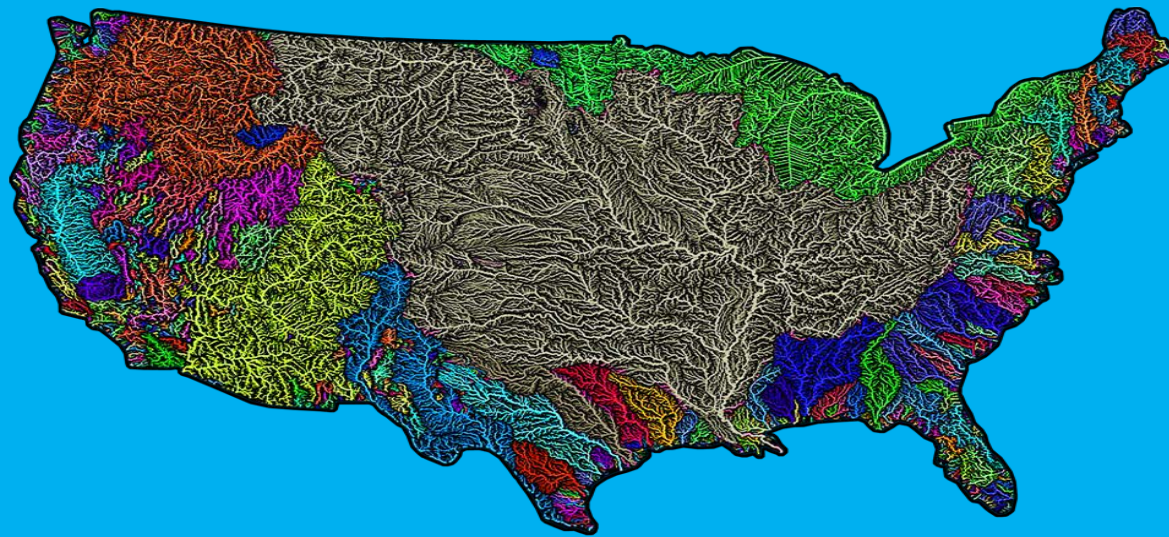


BIG RIVER COALITION

“Advocating for a Mightier Mississippi River”

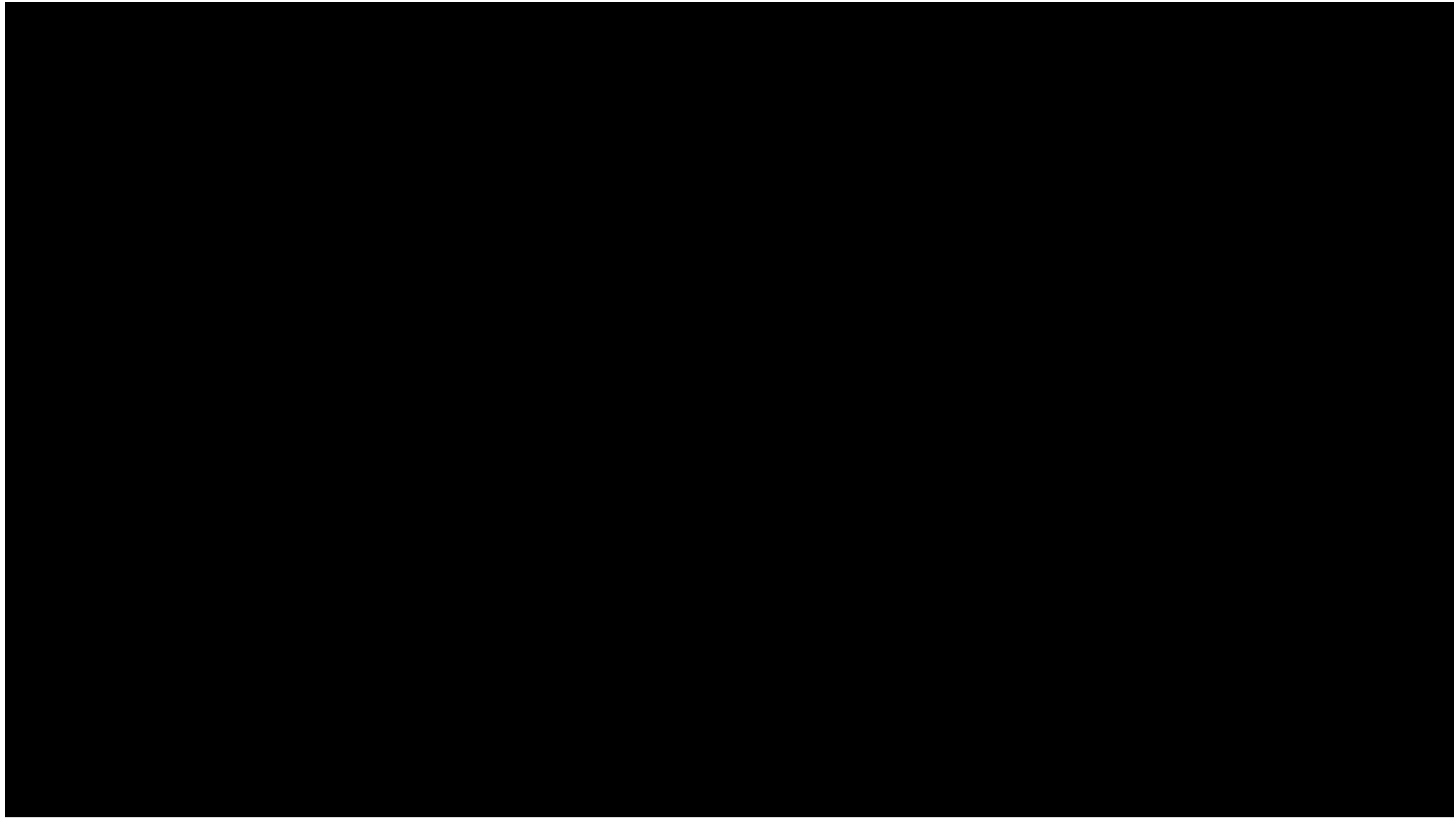


“The basin of the Mississippi is the body of the nation.”
Mark Twain, *Life of the Mississippi* 1883

STORMS, FLOODING & SEA LEVEL DEFENSE 2020

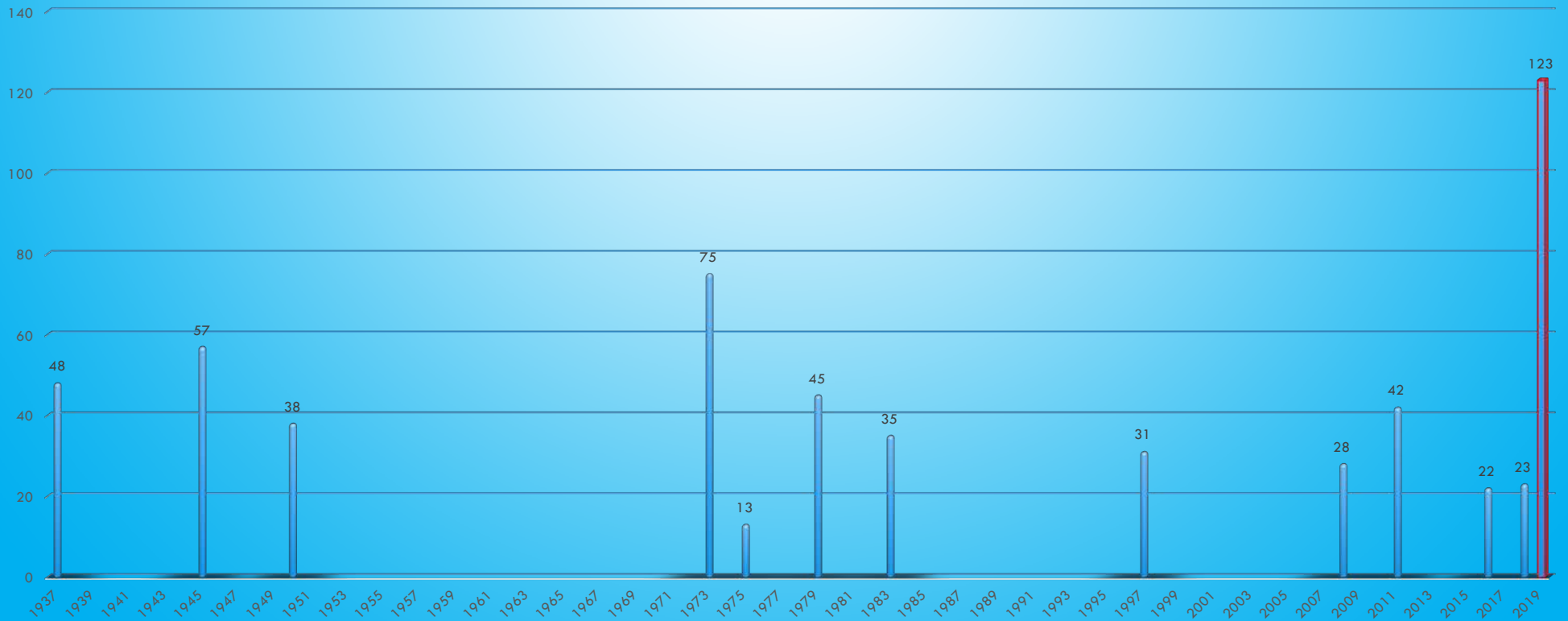
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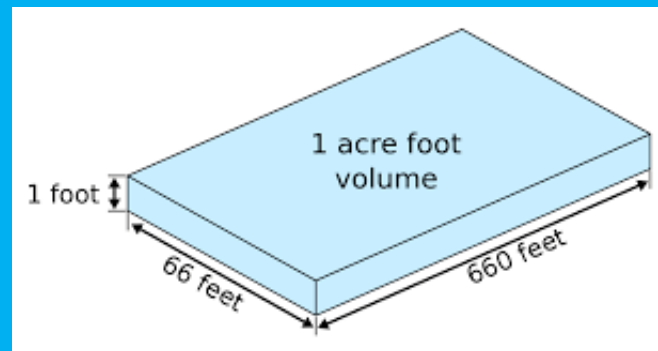


BONNET CARRÉ SPILLWAY DAYS OF OPERATION FLOOD CONTROL ACT OF 1928



THE GREAT FLOOD OF 2019 RECORD LENGTH AND VOLUME OF WATER

FLOOD BY VOLUME	YEAR	ACRE FEET
#1	2019	910,000
#2	1973	725,000
#3	1927	700,000



An Acre Foot equals approximately 326,000 gallons of water

SEDIMENT RECYCLING



LARGEST WETLANDS RESTORATION PROJECT IN THE WORLD

FISCAL YEAR	SWP CUTTERHEAD MCY	SWP BU ACRES	HDDA MCY	HDDA BU ACRES	TOTAL SWP CUTTERHEAD + HDDA MCY	TOTAL SWP and HDDA ACREAGE
2009	2.9	100	0	0	2.9	100
2010	3.2	67	6.8	403	10.0	470
2011	3.6	200	1.5	60	5.1	260
2012	5.7	615	0.8	0	6.5	615
2013	5.7	773	7.2	644	12.9	1,417
2014	8.0	572	0	0	8.0	572
2015	11.3	364	9.7	677	21.0	1,041
2016	8.5	973	0	0	8.5	973
2017	12.2	1064	8.5	404	20.7	1,468
2018	6.7	347	4.9	378	11.6	725
2019	14.7	1,218	9.5	506	24.2	1,724
2020	11.5	1,000*	3.9	300*	15.4	1,300*
TOTALS:	94.0	7,293*	52.80	3,372*	146.80	10,665*

MORE LAND THAN 36 YEARS AGO

1985



2015
NEW LOUISIANA



ESTIMATE 7,000 ACRES HAVE BEEN
ADDED SINCE THE 2015 PHOTO

Patrick M. Quigley
www.gulfcoastphoto.com
Slidell, LA 70578-3650
A SOVA owned small business.

2019 FIX SOUTHWEST PASS



"Preliminary estimates from the U.S. Army Corps of Engineers indicate the extended high river and historic flood event impacted \$6-7B worth of cargo that would typically transit through the Mississippi River's Southwest Pass."

FULL FUNDING FLOATS ALL BOATS SEDIMENT RECYCLING

The Full Funding Floats All Boats campaign was created by the Big River Coalition to enhance the U.S. Army Corps of Engineers Mississippi Valley New Orleans (MVN) ability to maintain Congressionally authorized channel dimension on the Mississippi River Ship Channel (MRSC). The Big River Coalition requests the President's Budget Request be increased to a level of \$200,000,000 annually in an effort to promote trade, create jobs and enhance economic prosperity. The "Full Funding Float All Boats" campaign must be a multi-generational commitment to invest in the nation's water commerce infrastructure such as was completed by our national leaders after the Great Depression.

There are presently three large industry hopper dredges under construction and two others in design phases and the USACE issued a pre-solicitation notice to recapitalize the hopper dredge McFARLAND.

There have been three new cutterhead dredges constructed over the last few years including the most recent and largest in the fleet the GENERAL MacARTHUR (Callan Marine) with a 32" cutterhead – most of the cutterheads that work in Southwest Pass have a 30" cutterhead. The other two new cutterheads are the J.S. CHATRY (Weeks Marine) a 30" cutterhead that was christened in 2019 and the ROBERT M. WHITE (Manson Construction) also a 30" cutterhead christened in 2017.

There are also two slightly smaller cutterhead dredges under construction. Callan Marine is building a new 28" cutterhead dredge, the GENERAL BRADLEY that is being built in Louisiana (Halimar Shipyard) and expected to be christened in late 2021. Mike Hooks, LLC is in process of building a 27" cutterhead dredge in Alabama (Mobile Pulley Works) the LORRAINE HOOKS.

MISSISSIPPI RIVER SHIP CHANNEL DEEPENING BIG RIVER COALITION IDENTIFIES STEPS NEEDED TO DEEPEN MISSISSIPPI RIVER SHIP CHANNEL

- 1) The channel threshold for full federal funding must be increased from 45 feet to 50 feet. **COMPLETED: Water Resources Reform and Development Act of 2014 (WRRDA 2014).**
- 2) General Reevaluation Report to update the economic impact of deepening the Mississippi River Ship Channel to 50 feet was funded and completed by USACE and LDOTD. **COMPLETED: Director's Report signed August 3, 2018.**
- 3) Fund the deepening and deepen the Mississippi River Ship Channel. Project Partnership Agreement signed by LDOTD and USACE on July 31, 2020. Dredge contracts in the works to start with normal maintenance dredging.

Contracts Awarded:

Southwest Pass Cutterhead Dredge Rental Contract #1-2020 CAPTAIN FRANK started deepening on 9/11/20.

Southwest Pass Cutterhead Dredge Rental Contract #2-2020 ROBERT M. WHITE started deepening on 10/23/20.

Southwest Pass Hopper Dredge Rental Contract #8-2020 awarded to Manson Construction 9/25/20.

MISSISSIPPI RIVER PRECIPITATION TRENDS

Flooding along the Mississippi River has increased both in frequency and magnitude during the past three to five decades. During the 49-year period of 1970 to 2018, stages at Cairo, Illinois - the confluence of the Mississippi and Ohio rivers – have exceeded major flood stage of 52.0 feet 16 times, as opposed to 13 times during the 72- year period of 1898 to 1969. **The 2002 U.S. Department of State Climate Action Report stated that total annual precipitation has been increasing, not only across the United States but worldwide, over the past 100 years.**

Source: Precipitation Trends in the Mississippi River Watershed by Bill Frederick – Senior National Weather Service (NWS) Meteorologist & NWS Liaison at the USACE Mississippi Valley Division (MVD) March 2019 prior to the record flooding of 2019

RECORD SHOALING FY 2019

MISSISSIPPI RIVER SHIP CHANNEL DREDGING FIGURES:

TOTAL CUBIC YARDS REMOVED 2019: 86,878,252 cubic yards (87 mcy)
5 YEAR AVERAGE: 50,000,000 cubic yards (50 mcy)
10 YEAR AVERAGE: 47,000,000 cubic yards (47 mcy)

SWP (Venice to Gulf): 46,793,282 cubic yards
(Average 5 year 19 mcy/ 10 year 18 mcy)

Crossings: 30,048,437 cubic yards
(Average 5 year 26 mcy/ 10 year 24 mcy)

HDDA: 9,231,394 cubic yards
NO Harbor: 805,139 cubic yards

BENEFICIAL USE CUBIC YARDS: RESTORED APPROXIMATELY 2,000 ACRES

SWP Cutterhead: 15,669,452 cubic yards **Total: 25,138,085 cubic yards at 2,016 acres**
HDDA Cutterhead: 9,468,633 cubic yards



