

MISSOURI RIVER NAVIGATORS MEETING

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OMAHA DISTRICT BSNP MISSION



M/V Missouri adding rock to a revetment in Lower Decatur Bend
October 2018



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MISSOURI RIVER PROJECT OFFICE BUDGET SUMMARY IN-HOUSE MAINTENANCE

FY 14	\$1.88 M
FY 15	\$1.79 M
FY 16	\$1.33 M
FY 17	\$1.34 M
FY 18	\$1.43 M
FY 19	\$1.70 M



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RECENT OMAHA DISTRICT O&M HIGHLIGHTS

- 2018 full workload by Omaha District Missouri River Project Office, nearly 22,000 tons stone placed.
- 2018 MRRP O&M contractors placed total of 13,300 tons on multiple project locations.
- 2018 numerous channel surveys and reconnaissance efforts conducted.
- 2018 responded to multiple stakeholders, above normal interactions likely due to high flows.
- CRP update (joint effort with Kansas City District)
- 2017 completed single-beam surveys for the navigation channel in Omaha District (Sioux City to Rulo, 235 river miles, Inland Electronic Navigation Charts).



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MISSOURI RIVER STRUCTURE MAINTENANCE TONS PLACED IN 2018 (INHOUSE CREW)

Big Sioux River (RM 734)	17,200 tons
Little Sioux River (RM 669.3)	1,250 tons
Boyer River (RM 635)	3,250 tons
Platte River (RM 595)	0 tons
Nishnabotna River (RM 542)	0 tons
Rulo, Nebraska (RM 498)	
Total	21,700 tons

Work extent was limited during 2018 due to high river stages



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WORKING BARGE AT TYSONS BEND (MRRP O&M)



Contractor working off equipment barge at Tysons Bend
December 2018



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TRANSIT THROUGH LANGDON BEND



M/V General Ashburn upbound with six barges containing
cement heading to Omaha.
August 2018



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ABOVE NORMAL FLOWS IN 2018



Sustained high flows with structure overtopping occurred in the 2018 flow season. NWD Water Management has reported the Sioux City annual flow volume as the third highest since record keeping began in 1898.

Upper Kansas Bend, RM 546, July 2018.



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TRANSIT THROUGH UPPER SONORA BEND



Right descending bank (foreground, in from pile dike) was carved out by the 2011 flood event. Empty barges being pushed downbound at the end of the 2018 Navigation season.
December 2018.



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CEMENT SHIPMENTS TO OMAHA



M/V Victoria at cement unloading dock in Omaha, NE.
April 2018.



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CHANNEL RECONNAISSANCE IN 2018

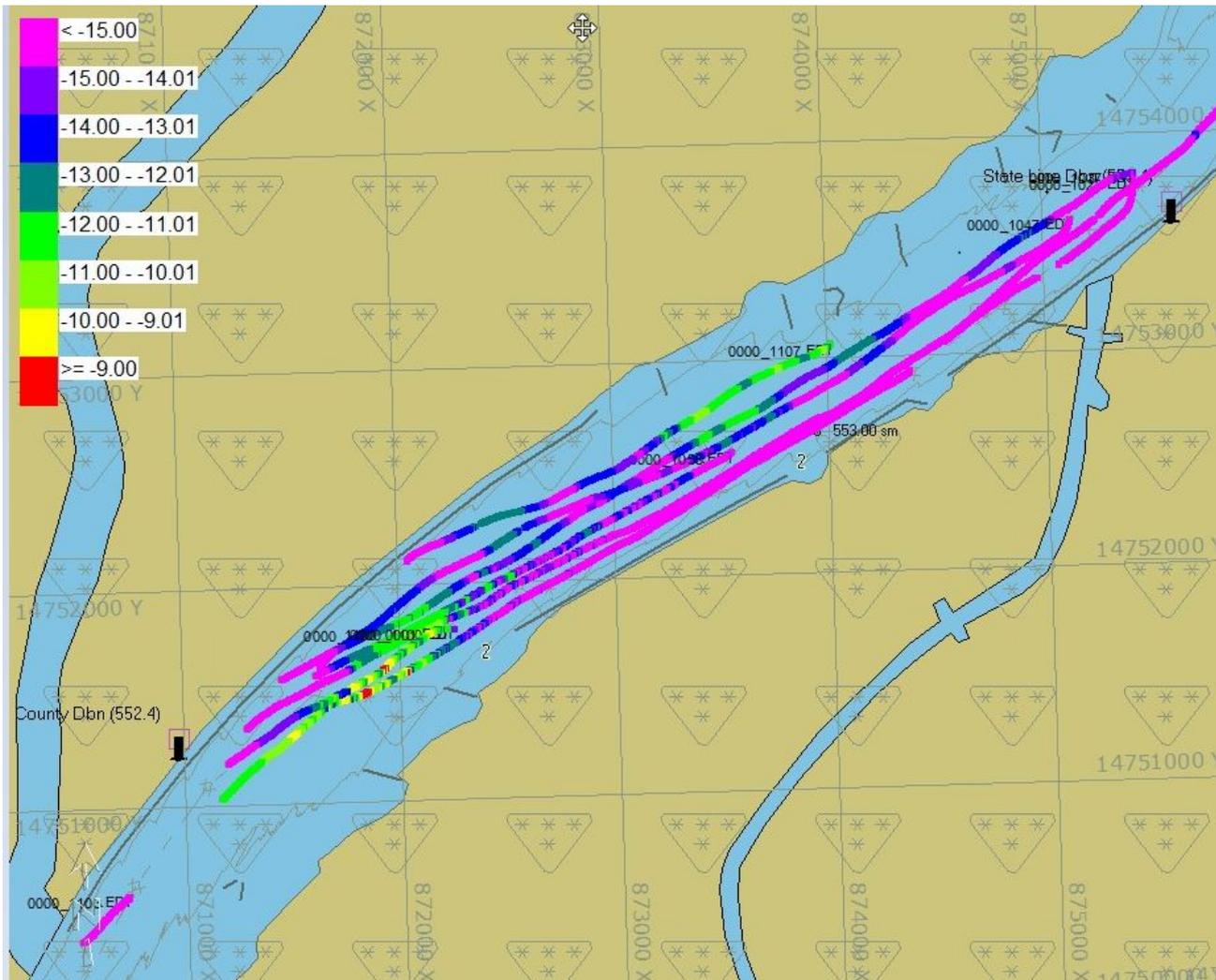
- Sioux City to Rulo
 - Standard reconnaissance - Spring 2018
 - Low water reconnaissance - December 2018
- Numerous partial reach and site specific reconnaissance trips during the navigation season
- Specific areas of interest: Lower Decatur Bend, Sonora Bend, Deroin Bend, Hamburg Bend



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U/L HAMBURG BEND CROSSING SURVEY – DEC 2018



Water Depth, Hamburg Bend Crossing, CRP +4 Stage, 10 Dec 2018.
Narrow Crossing Occurred at High Flow, Fast Receding Hydrograph.



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TRANSIT THROUGH LOWER PIGEON CREEK BEND



M/V General Ashburn Upbound with four empties at RM 629
April 2018



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SOYBEAN SHIPMENTS AT BLAIR TERMINAL



Barge loaded with soybeans at the Blair terminal.
July 2018



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TRANSIT AT DECATUR



M/V Missouri upbound with equipment barge at Decatur, NE
July 2018



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CHANNEL WORK PLANNED FOR 2019

- Typical work effort in a normal year would be the placement of 25,000 to 30,000 tons of maintenance rock.
- Dec 2018 low water inspection preliminary results
 - Total quantity for the structures in “critical” and “high” priority level of repair was estimated at over 110,000 tons.
 - Increase of nearly 350% over 2017
 - Beyond budget and resource capability
- Omaha District requested emergency funds, 2019 work plan will be dependent on resources, priority based



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TIME FOR QUESTIONS, DISCUSSION



Spirit of Brownville at Dock with a submerged sidekick
December 2018



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