

# 2019 Channel Maintenance Dredging

Dredge Season AAR

July 2020 – Jan 2021

Lance A. Engle

Dredging Project Manager

St. Louis District



U.S. Army Corps of Engineers  
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# Agenda

- Mission
- Hydrograph
- Surveys Efforts
- Dredge Utilization / Quantities
- Channel Availability Review
- Outlook

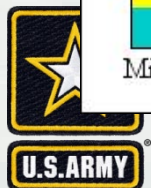
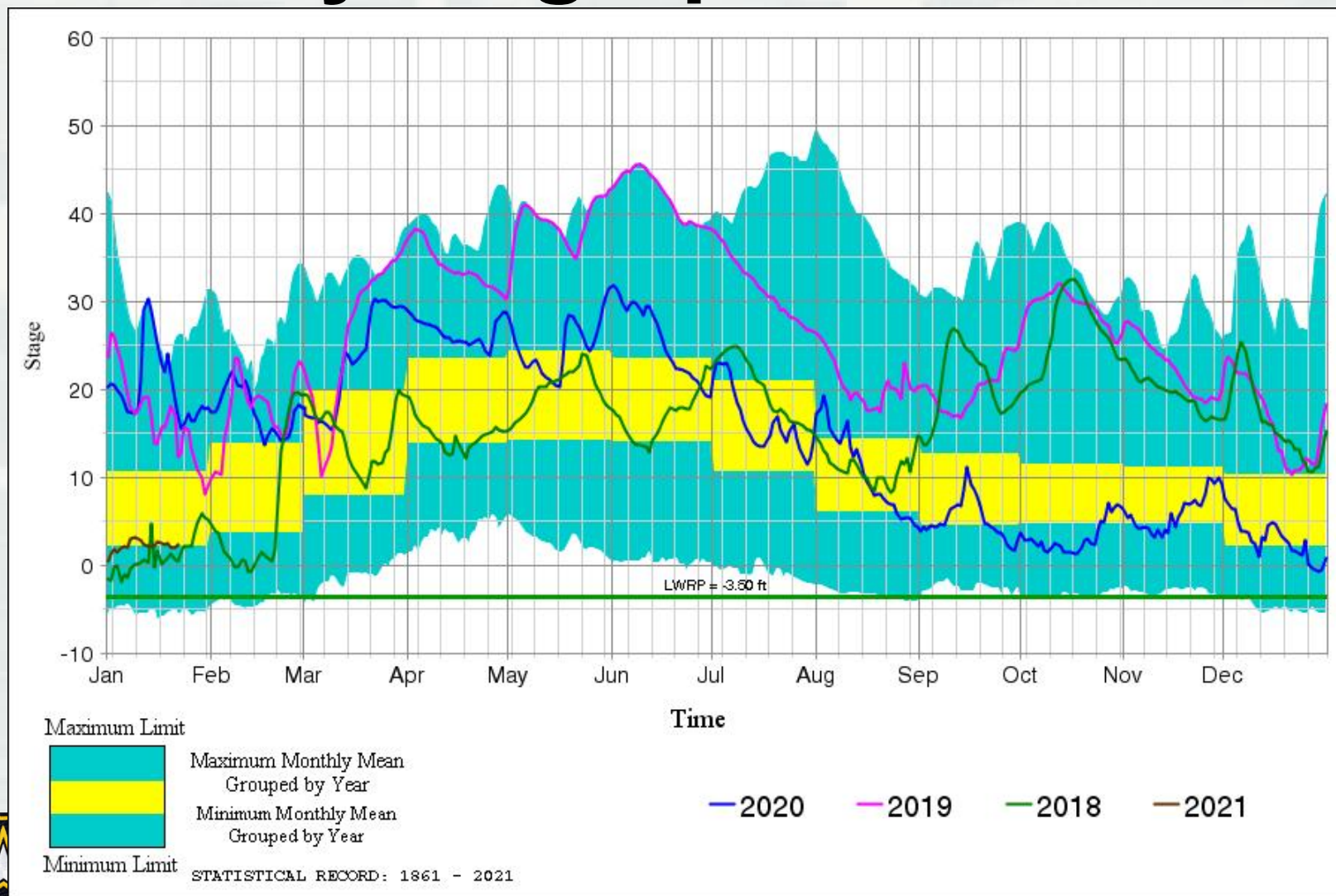


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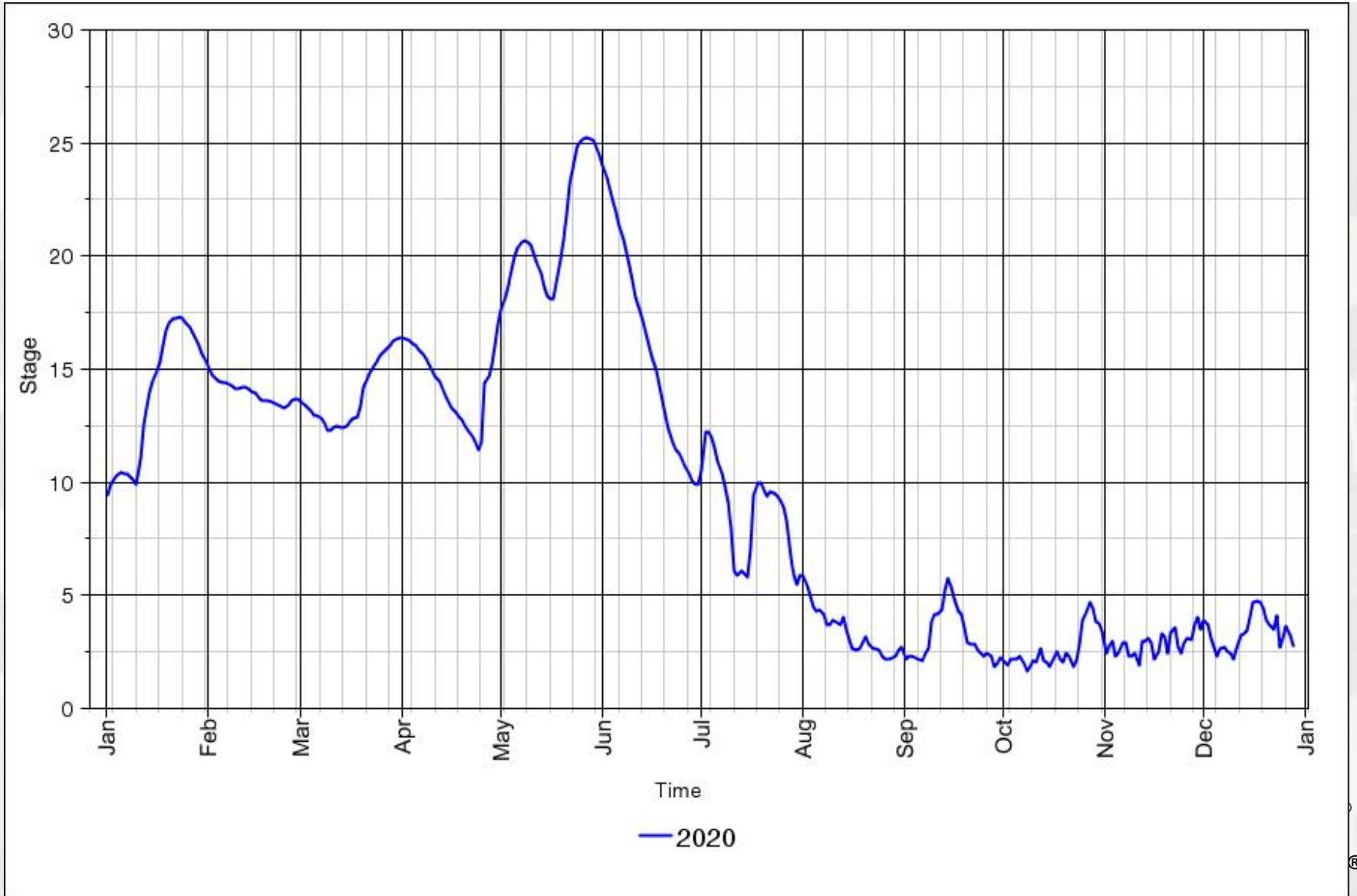




# UMR Hydrograph at St Louis



# ILLWW Hydrograph at Meredosia



# Survey Efforts 2020

## 1. Pathfinder Channel Patrol – 88 days (PY 54)

- a) ILW – 3 patrols / 12 days
- b) Upper – 7 patrols / 30 days
- c) Lower – 9 patrols / 39 days
- d) MVK - 1 patrol / 7 days

## 2. 3 Line Contract Channel Surveys

- a) ILW – 1
- b) Upper – 2
- c) Lower – 3



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# Survey Efforts 2020

Contract Surveys 159 (Bowen, Prairie)

Pool 24: 6

Pool 25: 17

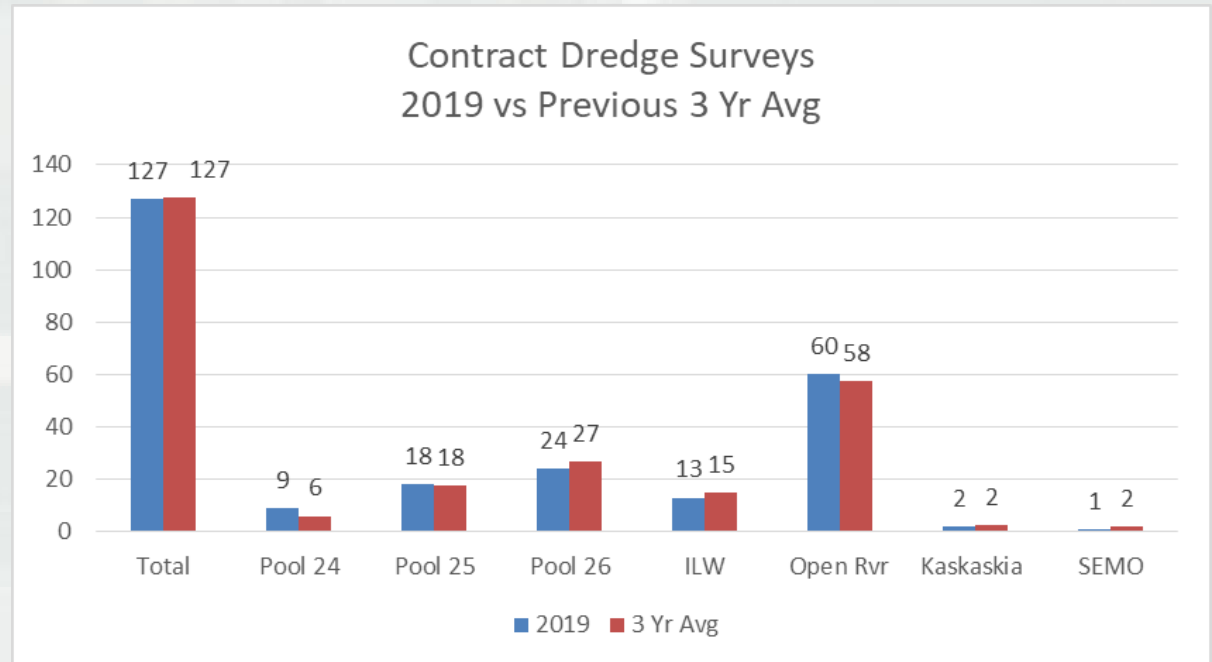
Pool 26: 16

ILLWW: 19

Lower: 97

Kaskaskia: 3

SEMO: 1



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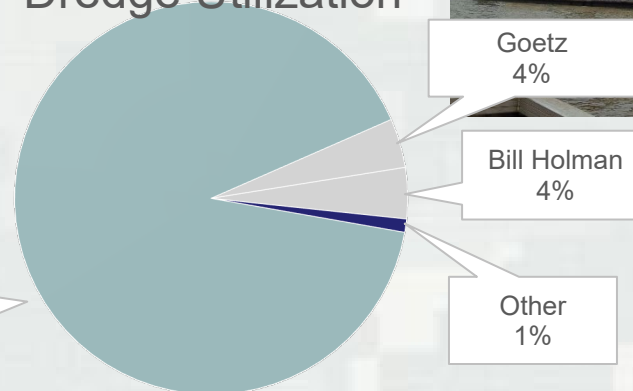


# Dredge Utilization by Dredge Volume



**Mob: 23 July  
221 UMR  
Squaw Island**

Dredge Utilization

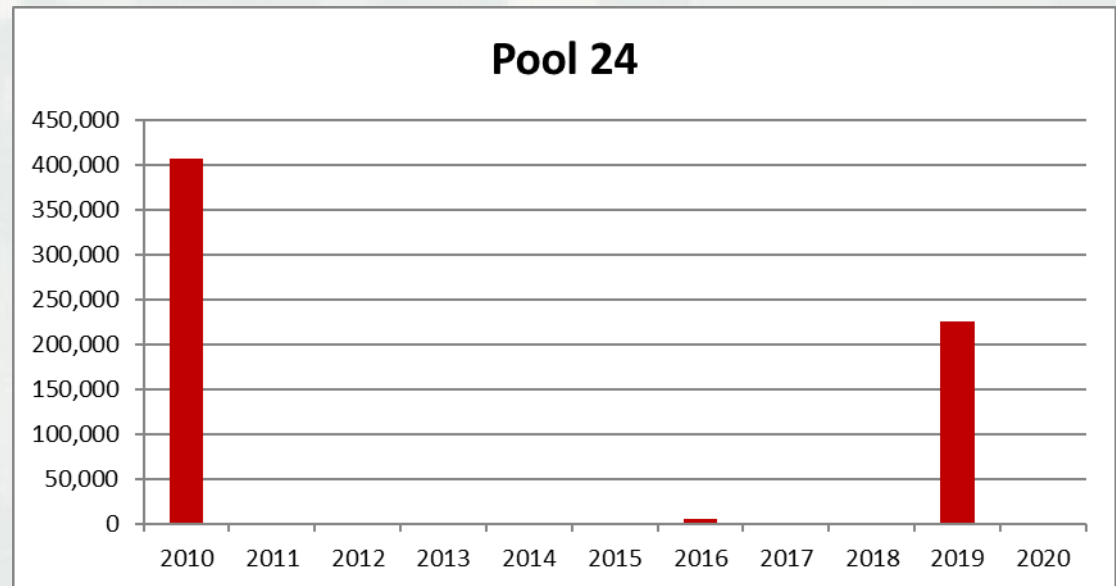


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# Pool 24

**Jobs: 0**  
**CY:**



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# Pool 25 UMR

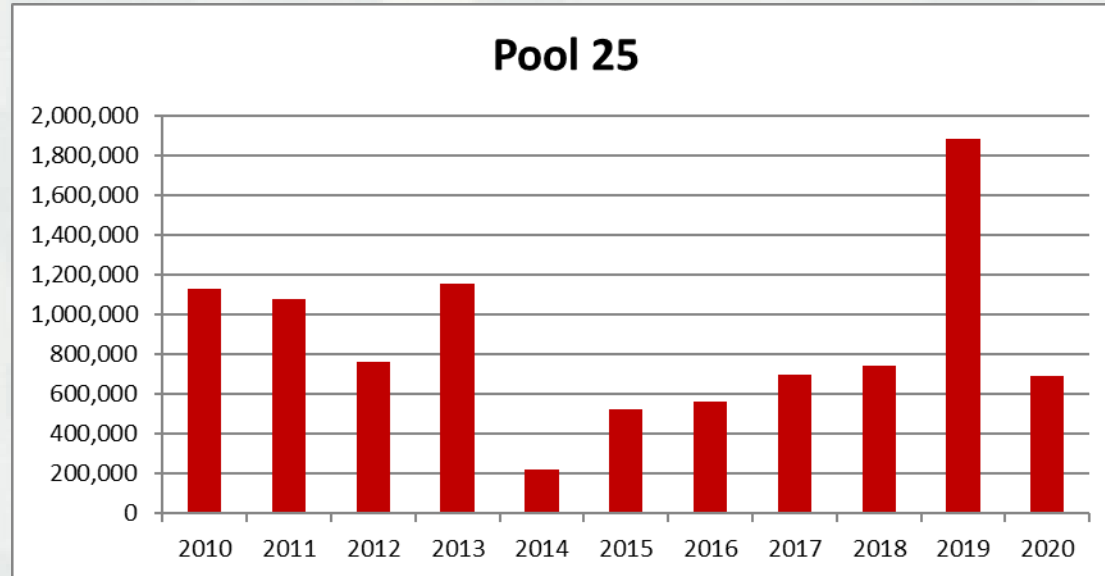
**Jobs: 7**  
**CY: 691k CY**

**Dredge Potter**

24 Jul - 9 Aug

Lock 25 Upper 243  
Church's Landing 248  
Eagle Landing 253.4  
Reds Landing 255  
Westport Island 256  
Sterling Landing 250  
Coon Island 266

\*No dredging from 273 - 267



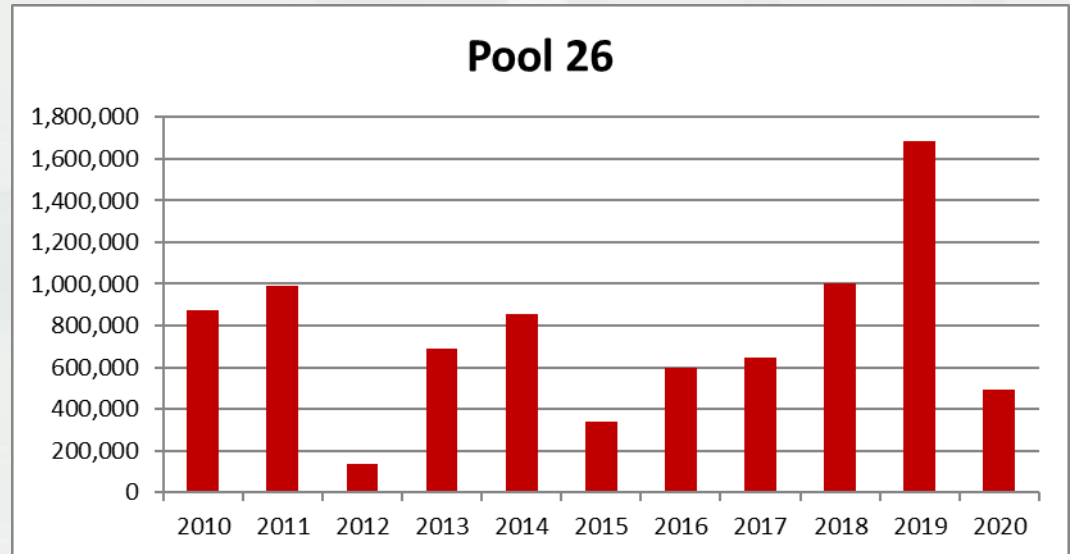
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# Jobs: 4      Pool 26, UMR

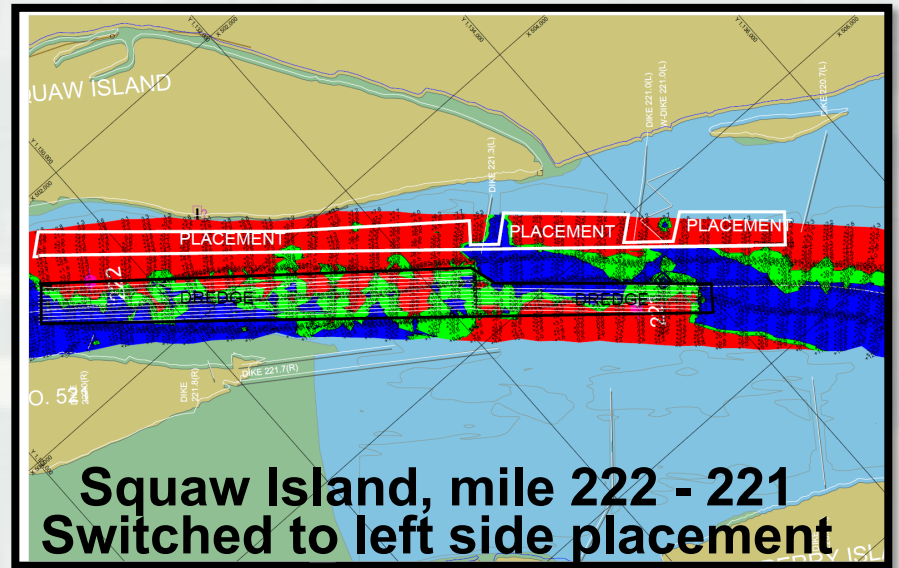
## CY: 493k CY

**Dredge Potter**  
7 – 24 Jul

Squaw Island    221  
Royal Landing   223.5  
Turkey Island   236.5  
Lock 25 Lower   241



\*No Dredging at Grafton, Bolters  
& only one event at Squaw



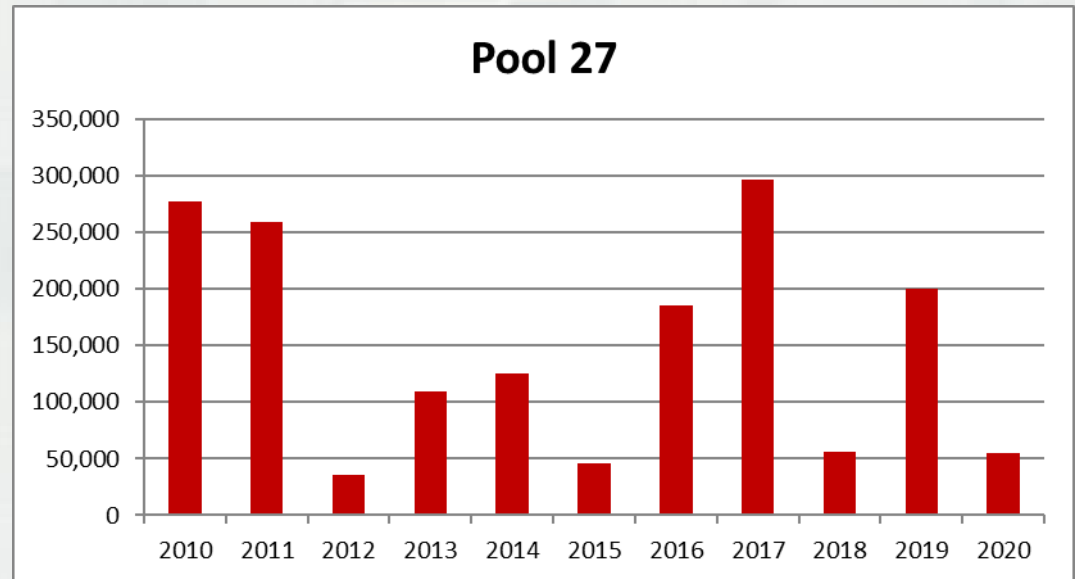


# Pool 27, UMR

**Jobs: 2**  
**CY: 55k CY**

**Mechanical Dredge**  
Sep – Dec

Upper COR Canal  
Mel Price Aux



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# Illinois Waterway 0 - 80

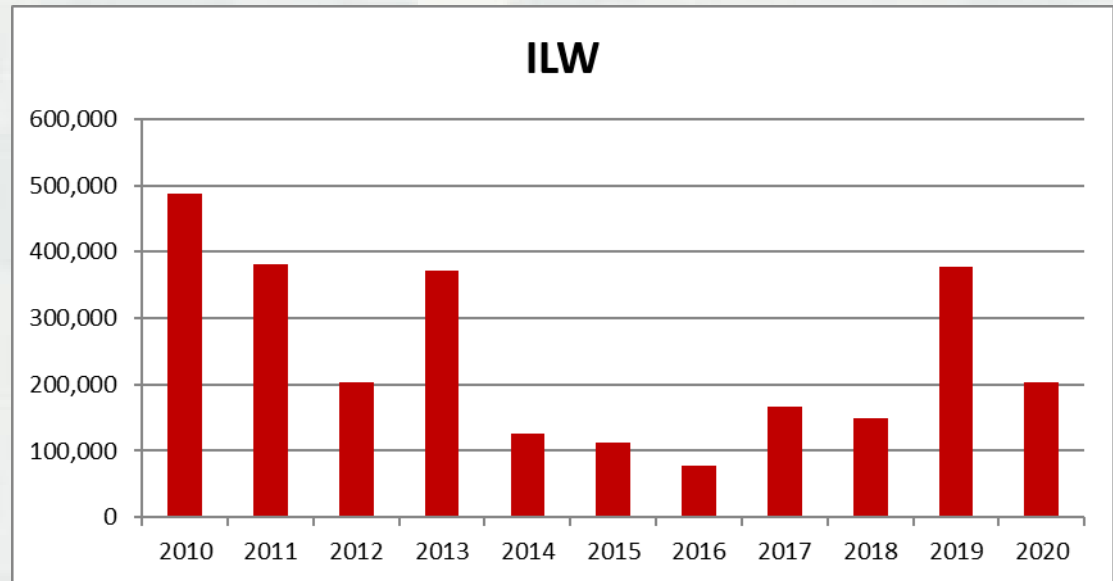
**Jobs: 9**  
**CY: 203k CY**

**Dredge Goetz**  
6 Sep – 3 Oct

LaGrange Lock 77.5  
Below Old LaGrange Lock 77  
Above Moores Towhead 76.3  
Kamp Creek 74.7  
\*Big Blue Island 59  
\*Florence 55.5  
\*Little Blue Light 54  
\*Kampsville 35.5  
Camp Creek 74.5

Dredged for LWRP-11  
Recent groundings at mile 61

\*Not routine locations



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# Open River

**Jobs:25**  
**CY: 3.4M CY**

**Dredge Potter**  
5 Sep - 8 Jan

Manskers 103 (-3 LWRP)  
St. Louis: 173, 168, 169, 169.5, 171,  
184, 171, 177

Grand Tower 80  
Scudders 16  
Slidding Towhead 23  
Price Landing 29  
Uncle Joe 41

Grand Chain 42  
Grays Point 46.6

Farmers 115  
Cliff Cave 167

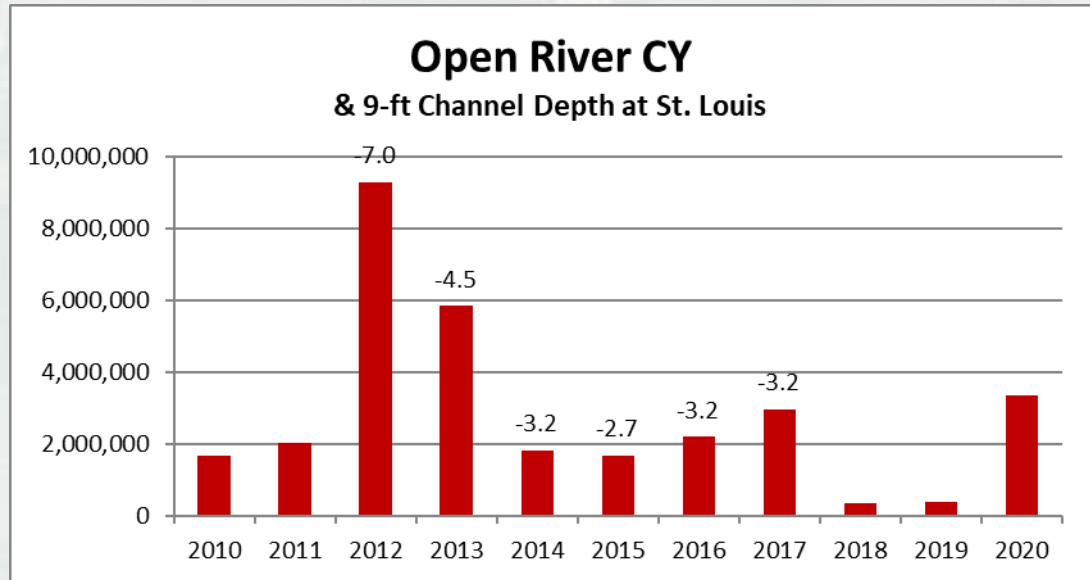
St. Louis: 167, 168, 171, 173

Farmers 115

Establishment 130

McKinley Bridge 182.5

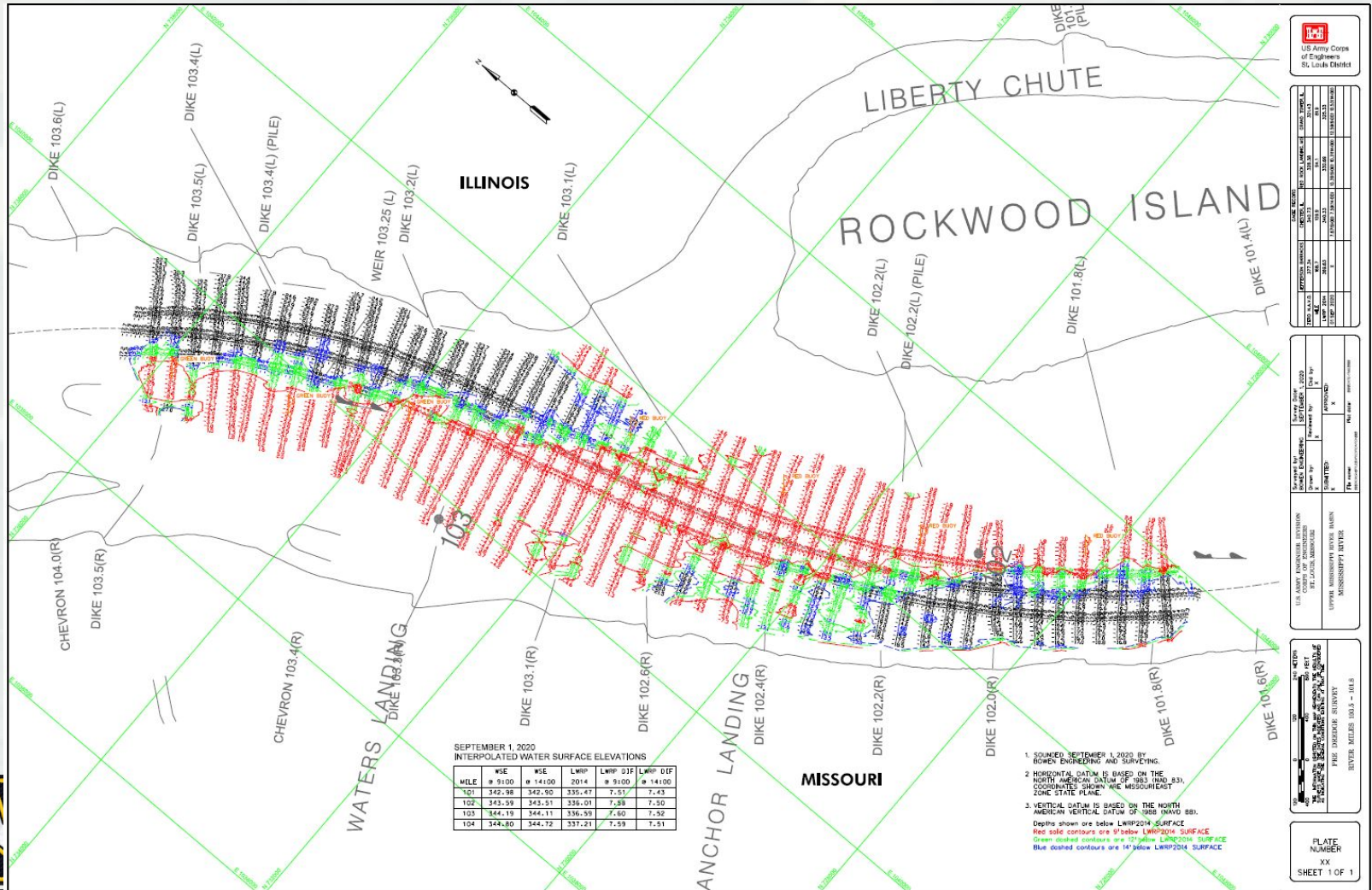
\* Grays Point, Uncle Joe, Flora Creek,  
Riverways



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# Manskers mile 103 (-3 LWRP) 493k CY



US Army Corps of Engineers  
St. Louis District

| DATE    | BY       | REVISION | DESCRIPTION              |
|---------|----------|----------|--------------------------|
| 10/1/20 | J. J. J. | 1        | ISSUED FOR CONSTRUCTION  |
| 10/1/20 | J. J. J. | 2        | REVISED FOR CONSTRUCTION |
| 10/1/20 | J. J. J. | 3        | REVISED FOR CONSTRUCTION |
| 10/1/20 | J. J. J. | 4        | REVISED FOR CONSTRUCTION |
| 10/1/20 | J. J. J. | 5        | REVISED FOR CONSTRUCTION |
| 10/1/20 | J. J. J. | 6        | REVISED FOR CONSTRUCTION |
| 10/1/20 | J. J. J. | 7        | REVISED FOR CONSTRUCTION |
| 10/1/20 | J. J. J. | 8        | REVISED FOR CONSTRUCTION |
| 10/1/20 | J. J. J. | 9        | REVISED FOR CONSTRUCTION |
| 10/1/20 | J. J. J. | 10       | REVISED FOR CONSTRUCTION |

DESIGNED BY: J. J. J.  
 CHECKED BY: J. J. J.  
 APPROVED BY: J. J. J.  
 DATE: 10/1/20

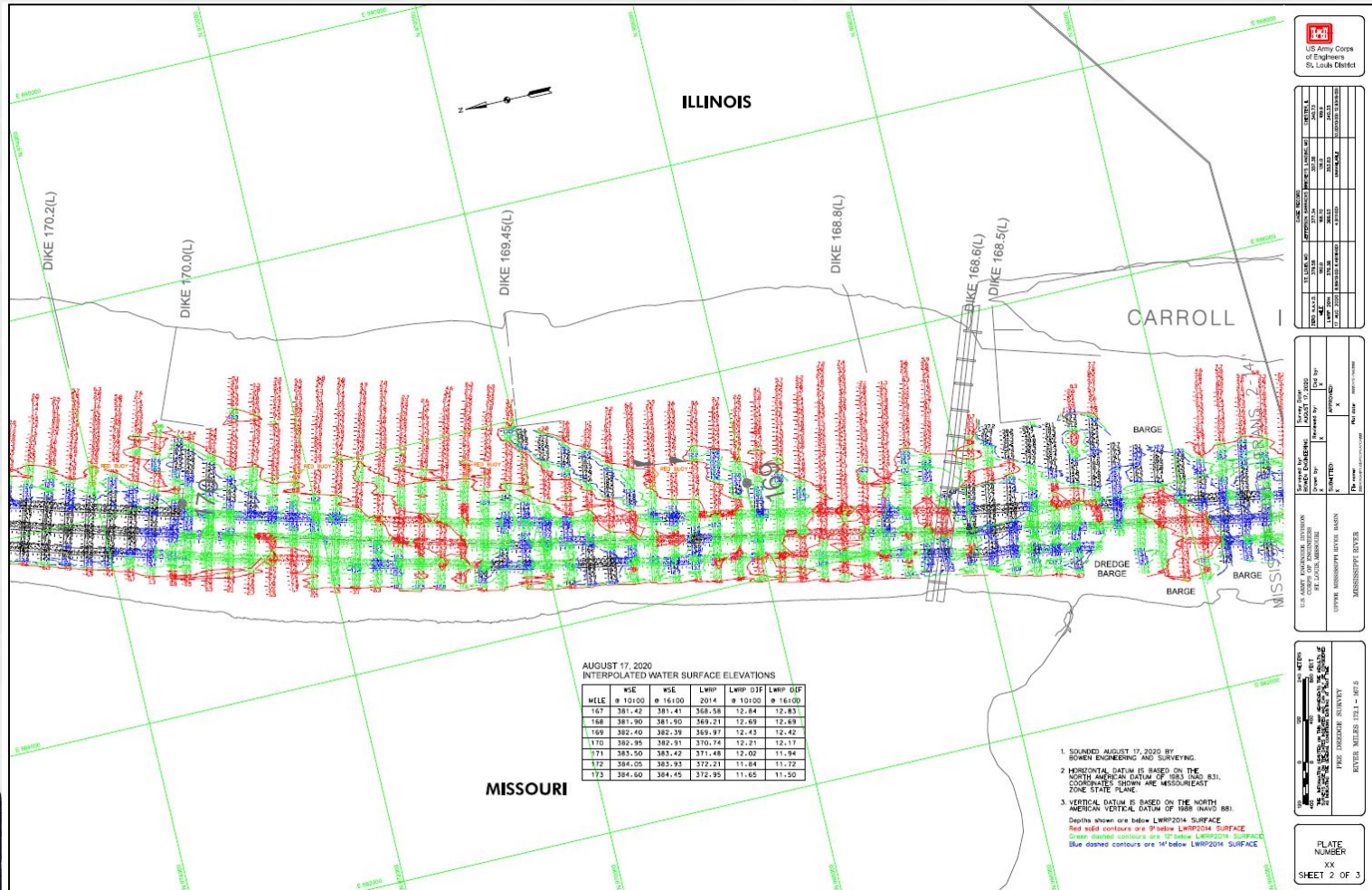
PROJECT: MANSKERS MILE 103  
 SHEET: 1 OF 1

PLATE NUMBER: XX  
 SHEET 1 OF 1





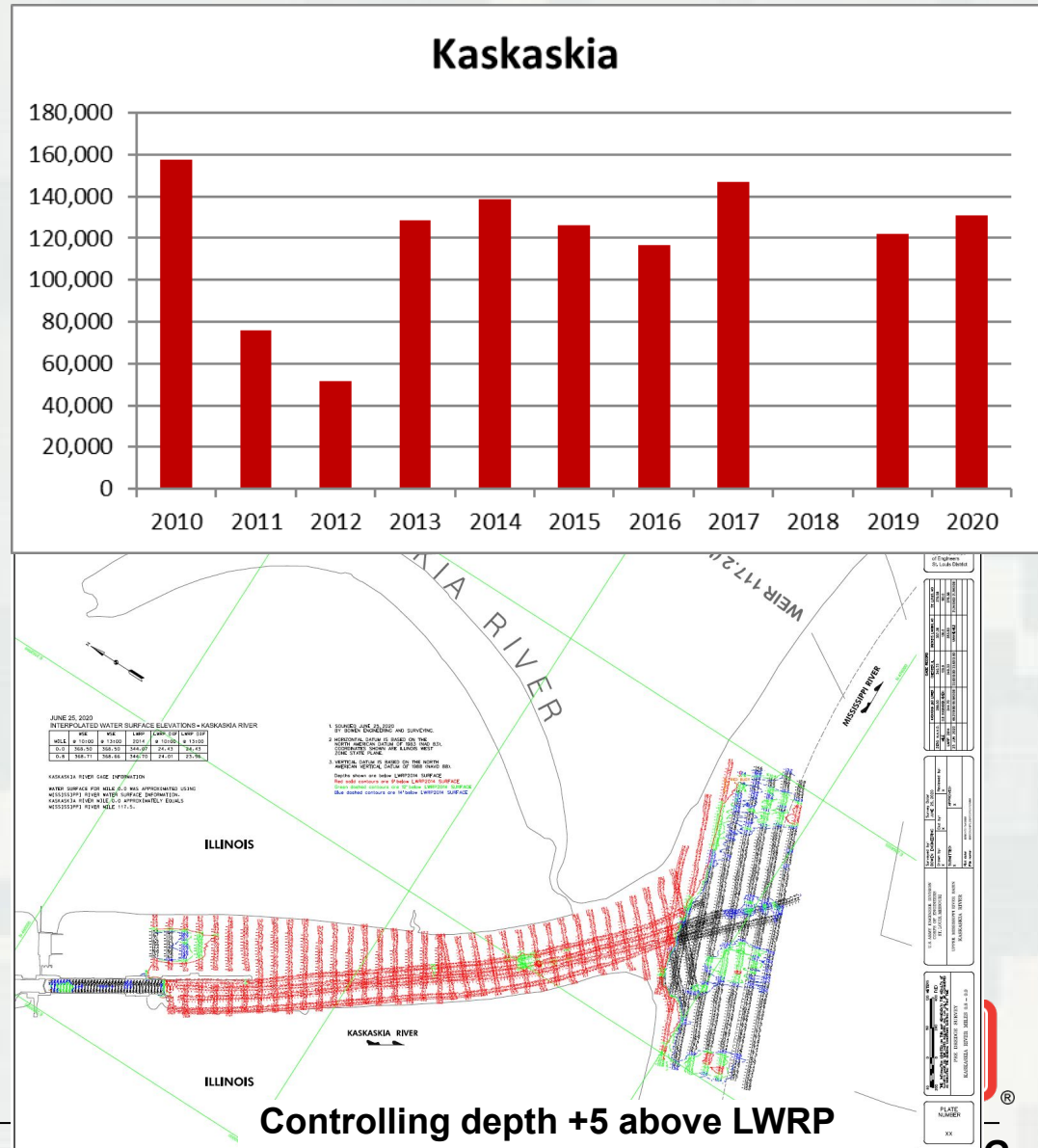
# JB Bridge 171 – 168 (-3.3 LWRP 830k CY



# Kaskaskia Mouth

**Jobs: 1**  
**CY: 130k CY**

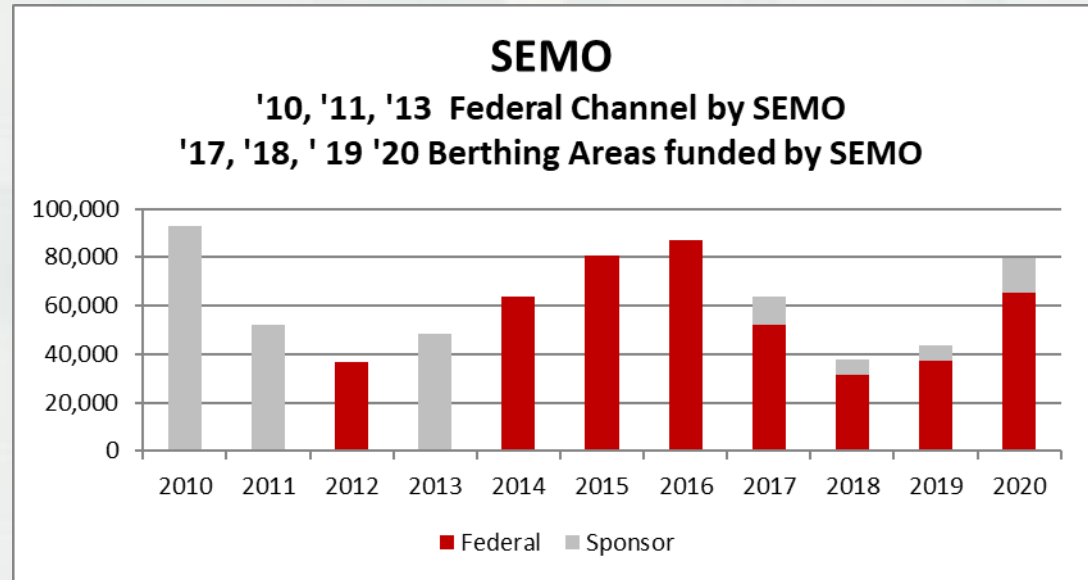
Dredge Bill Holman  
4-10 Sep



# SEMO Port

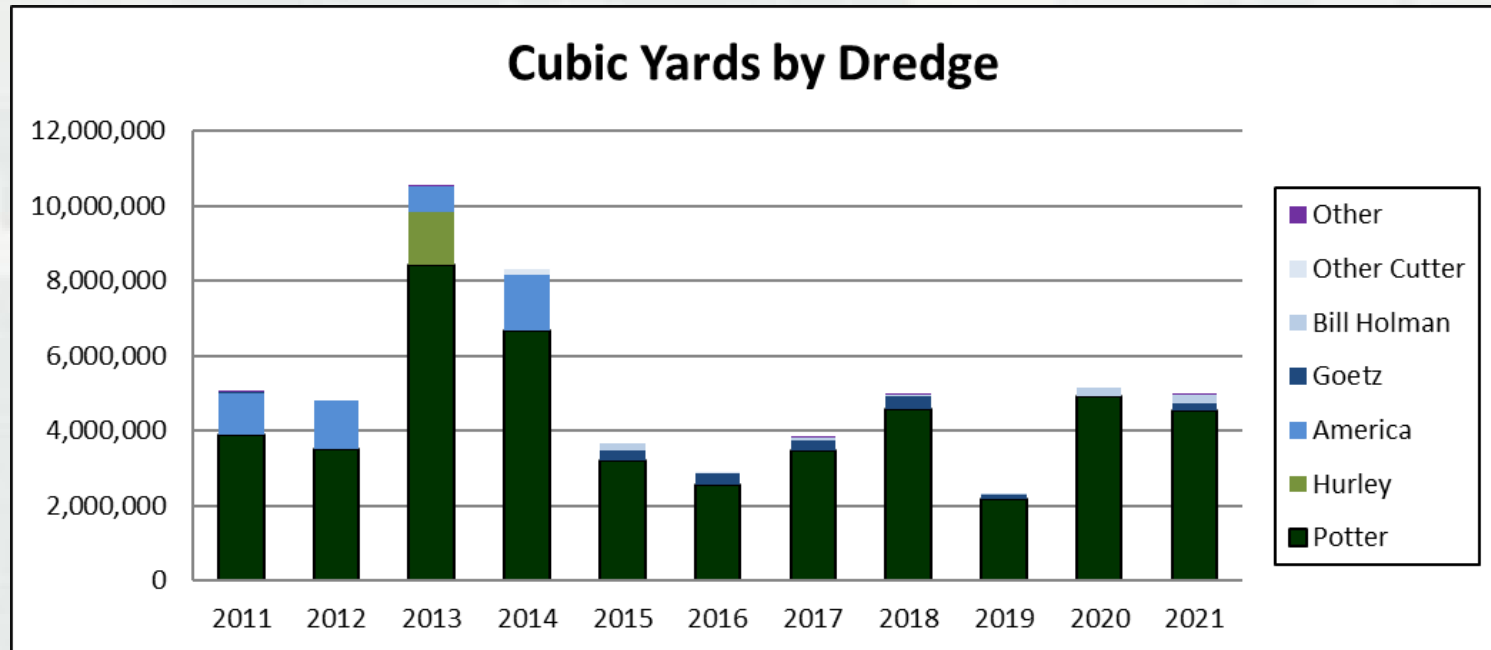
**Jobs: 1**  
**CY: 79.5k CY**  
Nav Channel: 65.5k CY  
Berthing Area: 14k CY

Dredge Bill Holman  
27 Aug - 3 Sep





# Channel Maintenance Totals



## 2020 Totals

2020 Dredge Season totals thru **8 Jan 2021**

Dustpan: 4,539k CY

Cutterhead: 413k CY (Goetz & Bill Holman)

Gov Mech: 55k CY

Total: 5,007k CY



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# Flex Pipe Use

## Dredge Potter Flex Pipe Usage 2020

| Location      | River Mile | River | Cubic Yards | Start     | End       | Remarks                                     |
|---------------|------------|-------|-------------|-----------|-----------|---------------------------------------------|
| Harris Island | 305        | UMR   | 748,516     | 15-Aug-20 | 5-Sep-20  | Rock Island District                        |
| JB Lower      | 168.0      | UMR   | 250,413     | 23-Sep-20 | 2-Oct-20  | Left side placement                         |
| JB Upper      | 169.0      | UMR   | 282,602     | 02-Oct-20 | 13-Oct-20 | Left side placement                         |
| Street Oil    | 169.5      | UMR   | 197,196     | 13-Oct-20 | 21-Oct-20 | Left side placement                         |
| Notre Dame    | 171.0      | UMR   | 99,886      | 21-Oct-20 | 24-Oct-20 | Left side placement                         |
| Lower Canal   | 184.0      | UMR   | 108,692     | 24-Oct-20 | 2-Nov-20  | Right - mid river placement over trail dike |

- Rock Island District: 748k CY
- St. Louis 171 – 168: 830k CY
- Lower Canal 184: 108k CY



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# Channel Availability

- ILLWW
  - ▶ Dredged for -11 MP.
  - ▶ ~3 groundings at mile 62, did not dredge.
- Lower River
  - ▶ Grays Point, 13 hour closure.



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# Outlook

1. Dredge Potter
  1. Remobilizing 1 Feb 2021.
  2. Off-season repairs to include engines
  3. Preparing for an early July start
2. Perform Channel Patrol, & 3 Line Surveys to monitor river conditions.
3. Funding
  1. Normal funding levels
  2. 1k for SEMO
  3. Lower River 4<sup>th</sup> quarter shortfall



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# The End



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# Harris Island mile 305 UMR



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