

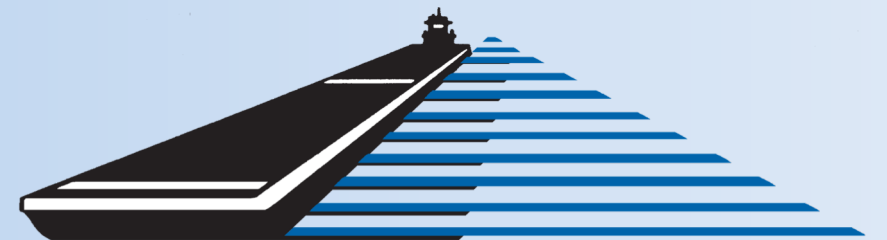
**Midwest DEWS
Meeting
Rapid Transition Panel
NAVIGATION
PERSPECTIVE**

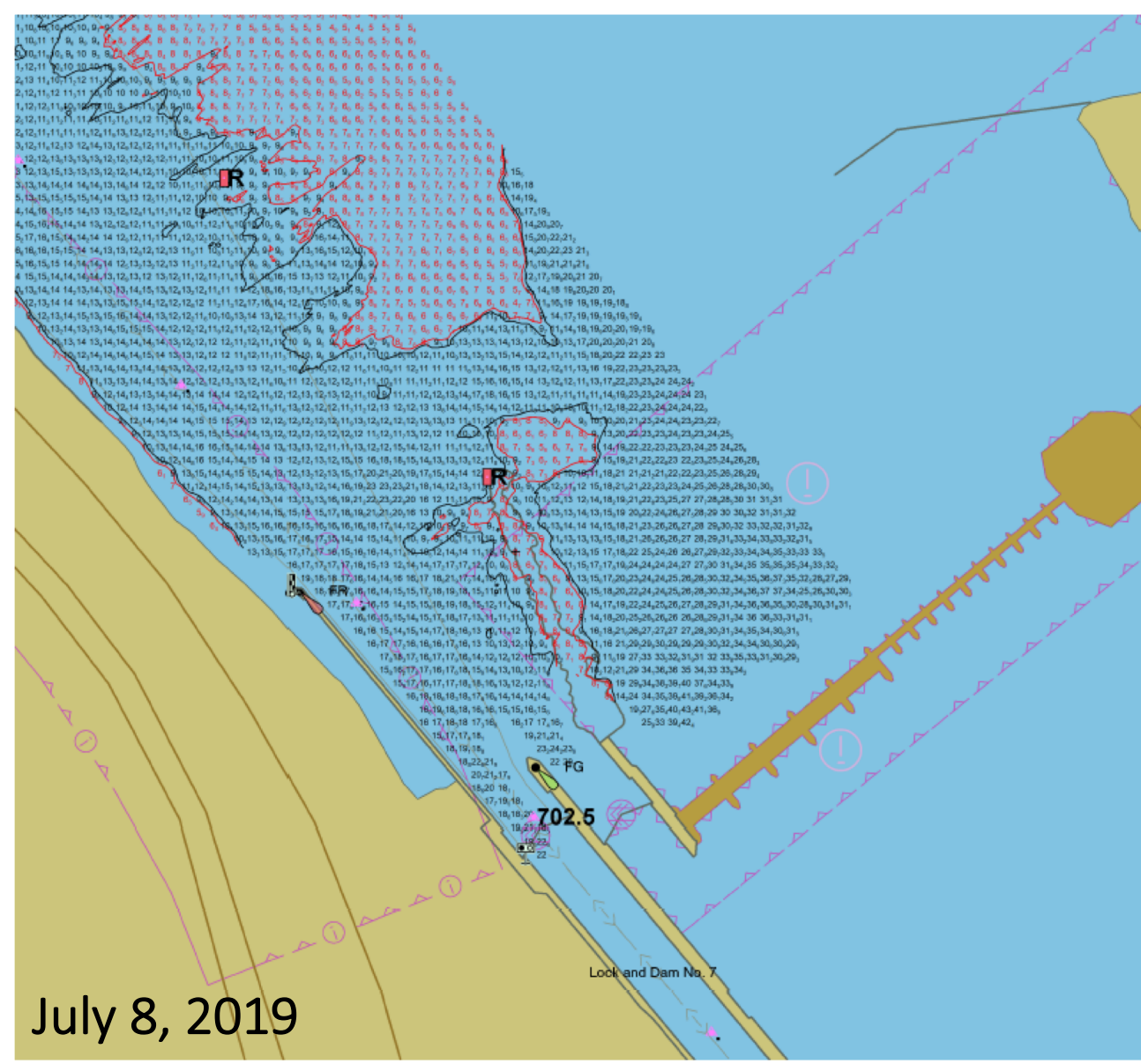
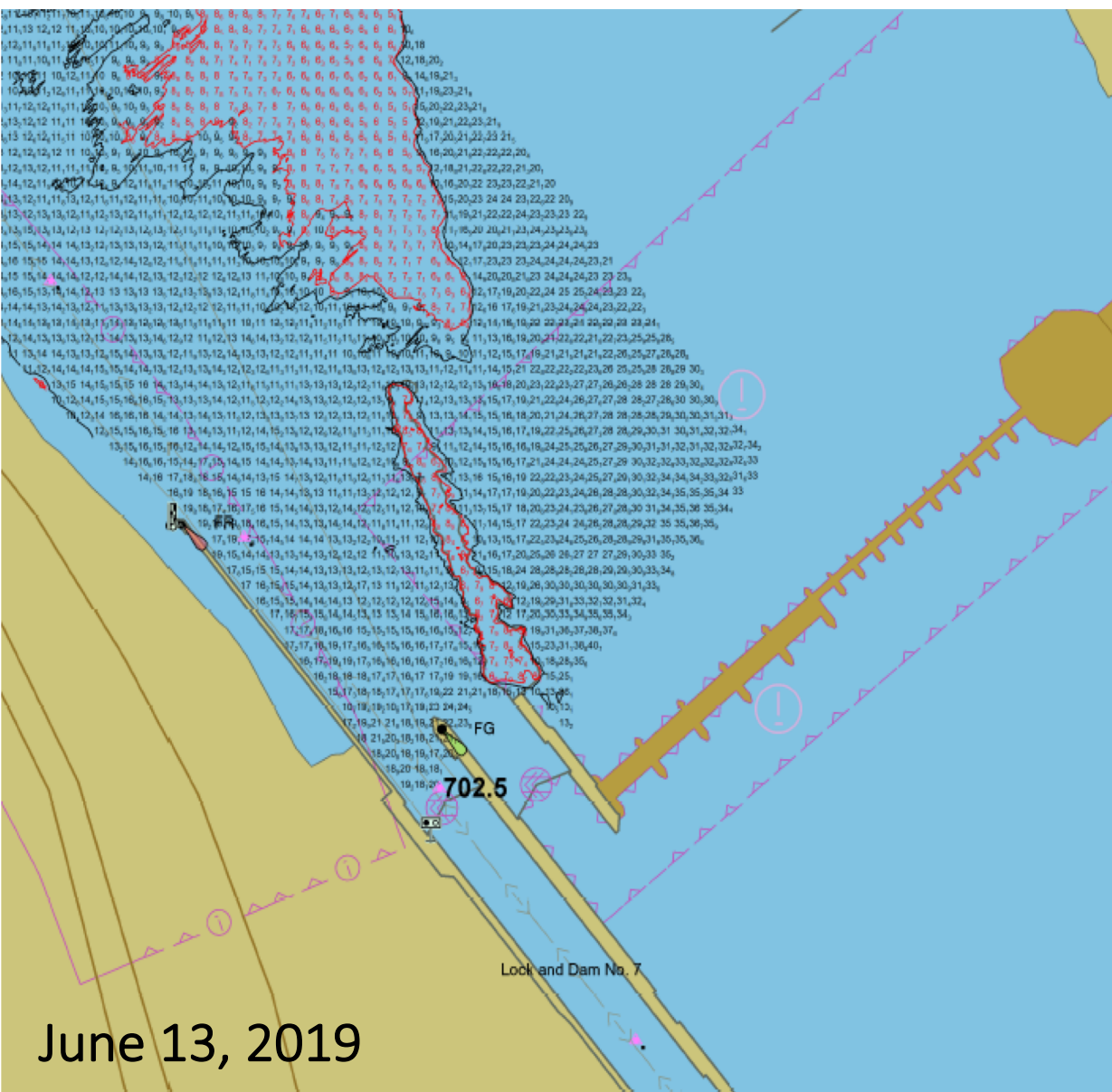
Lee Nelson
Upper River Services

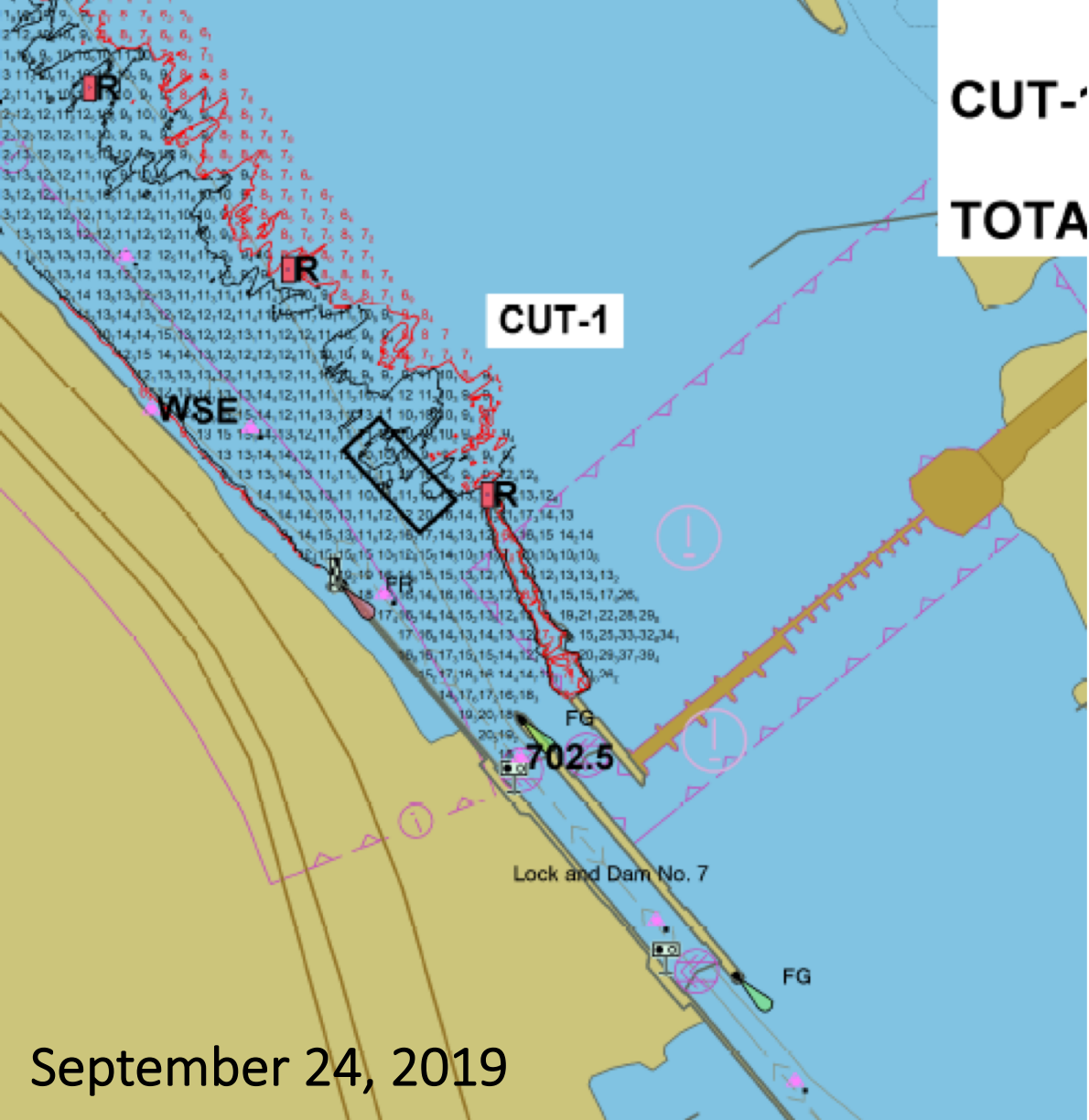


Navigating the River From Flooding to Drought and back again

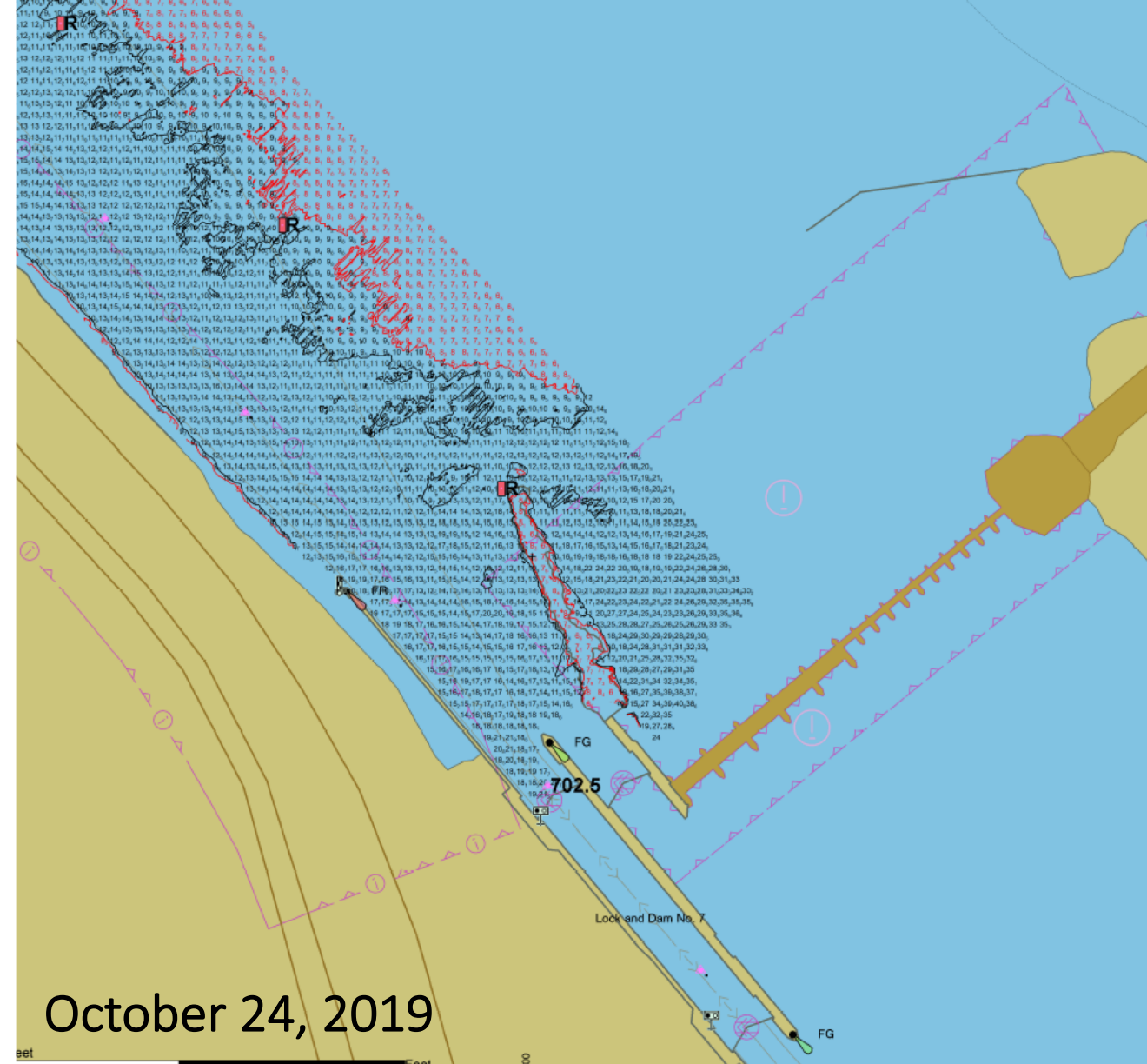
- Rapid changes to navigation channel
- July/August 2014 Regional Impact
- Mitigation
- Forecasting (Advanced Warning)







September 24, 2019



October 24, 2019



LOCK STATUS
ROCK ISLAND DISTRICT
Updated 1400 hours on 6/5/19

LOCK NUMBER	FLOOD STAGE	TODAY'S STAGE (0600)	LOCK CLOSURE STAGE	CLOSURE DATE & TIME	FORECASTED CREST STAGE	FORECASTED CREST DATE	ESTIMATED RE-OPEN DATE	TOP OF LOCKWALL	1965 CREST	1993 CREST	2001 CREST	2008 CREST
L/D 11 RM 583	16.0	19.1	20.8	Closure Not Expected	19.2	05/31/19	NA	24.3	25.69 *	22.32	23.91	18.56
L/D 12 RM 556.5	17.0	18.9	18.4	Lock Closed 2132 hrs on 5/29/19	18.8	05/31/19	06/07/19	22.8	23.51 *	21.50	22.58	18.70
L/D 13 RM 522.5	16.0	19.7	19.0	Lock Closed 0805 hrs on 5/30/19	19.8	06/01/19	06/09/19	23.3	24.75 *	22.17	23.20	19.08
L/D 14 RM 493.5	11.0	14.6	14.0	Lock Closed 0745 hrs on 5/30/19	15.1	06/01/19	06/09/19	20.42	17.75 *	16.56	16.93	14.84
L/D 15 RM 483	15.0	20.9	20.0	Lock Closed 0526 hrs on 5/30/19	21.7	06/01/19	06/10/19	20.5	22.48	22.63 *	22.33	21.49
L/D 16 RM 457	15.0	21.6	17.0	Lock Closed 0326 hrs on 5/26/19	22.8	06/02/19	Beyond 6/12/2019	20.4 (19.83)	23.27	24.10 *	22.41	22.96
L/D 17 RM 437	15.0	22.7	18.1	Lock Closed 1551 hrs on 5/19/19	24.4	06/01/19	Beyond 6/12/2019	21.3	23.14	25.90 *	22.46	25.20
L/D 18 RM 410.5	10.0	18.7	14.9	Lock Closed 1500 hrs on 5/26/19	20.6	06/01/19	Beyond 6/12/2019	18.98	17.10	21.54	17.65	22.46 *
L/D 19 RM 364	16.0	23.8	21.2	Lock Closed 1920 hrs on 5/28/19	25.3	06/02/19	06/11/19	22.17	22.14	27.58 *	22.94	26.95
L/D 20 RM 343	14.0	25.7	18.0	Lock Closed 1930 hrs on 5/19/19	27.1	06/01/19	06/18/19	19.5	21.42	27.88 *	23.20	27.73
L/D 21 RM 325	17.0	28.4	21.9	Lock Closed 1615 hrs on 5/21/19	30.1	06/01/19	06/15/19	25.7	24.80	32.30 *	26.55	29.59
L/D 22 RM 301	16.0	27.5	21.4	Lock Closed 0630 hrs on 5/21/19	28.5	06/02/19	06/16/19	25.4	23.26	29.58 *	26.12	28.00







March 28, 2019





August 30, 2019





Questions?