Freight Advisory Council: Performance of the Upper Mississippi River Navigation System

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Rock Island District

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US Army Corps of Engineers

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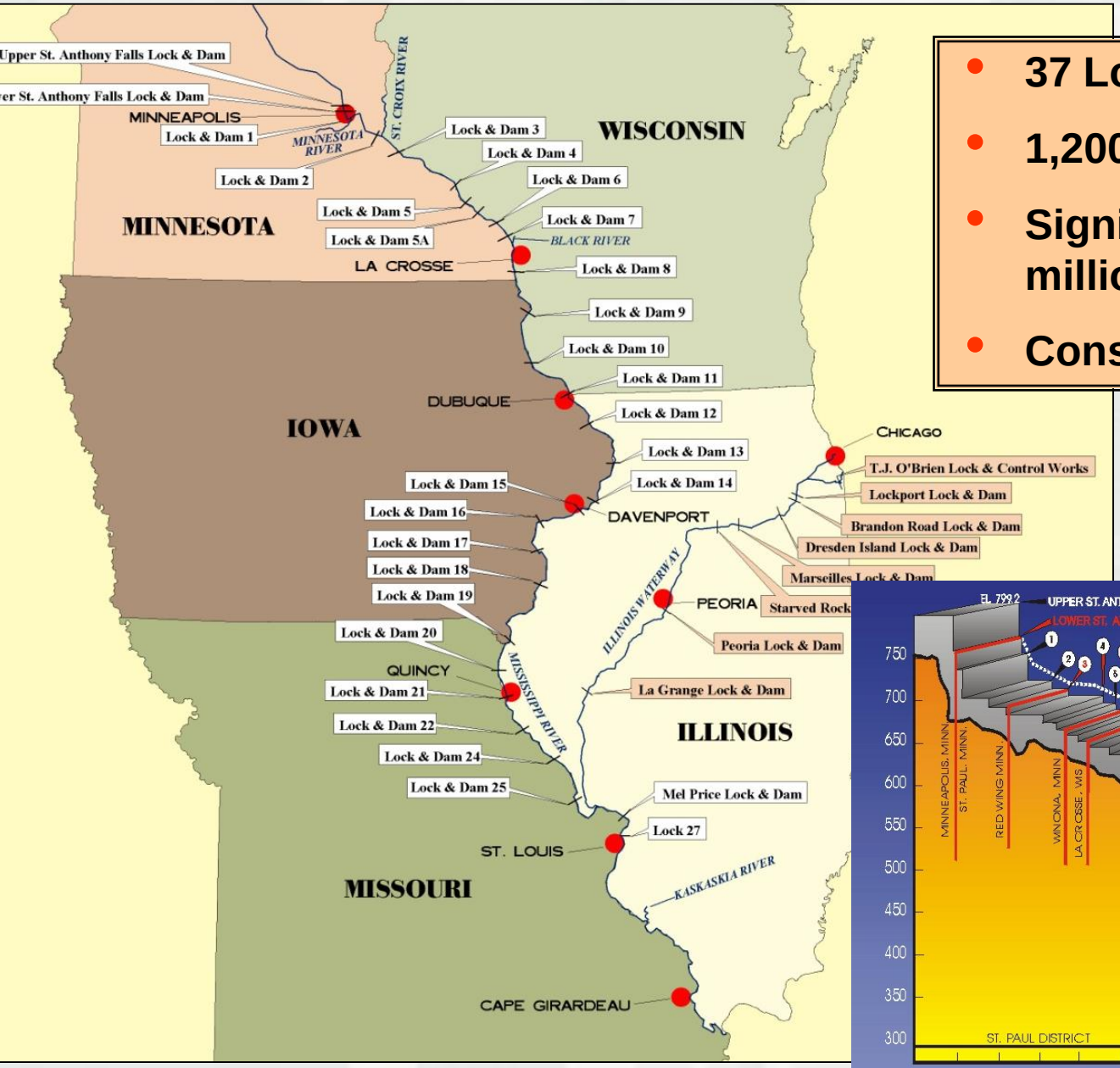
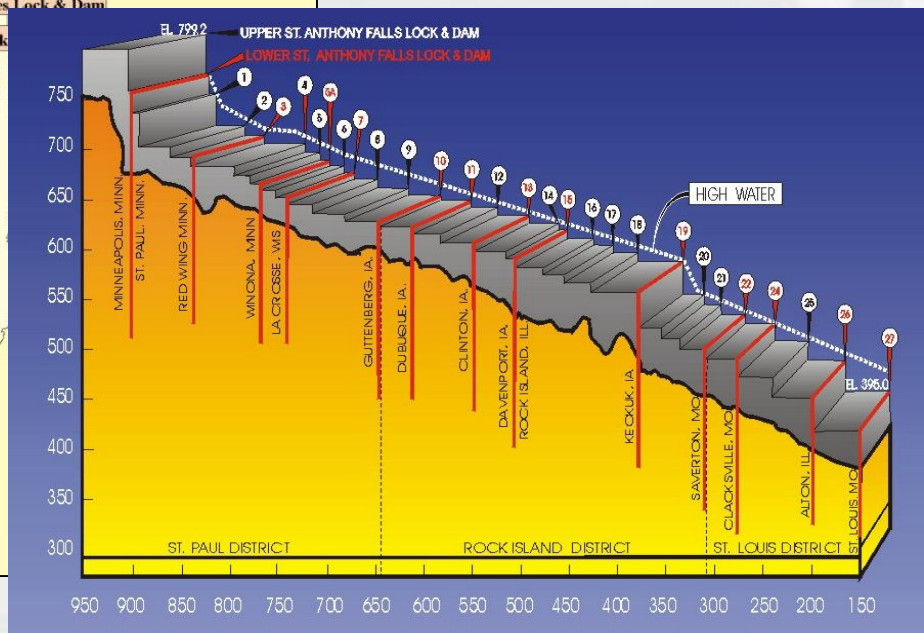
Upper Mississippi River System



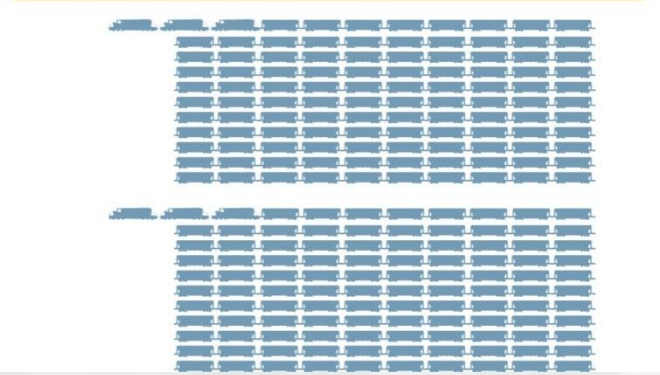
- 37 Lock Sites
- 1,200 Miles of River
- Significant Ecosystem (2.7 million acres)
- Constructed 1930-45



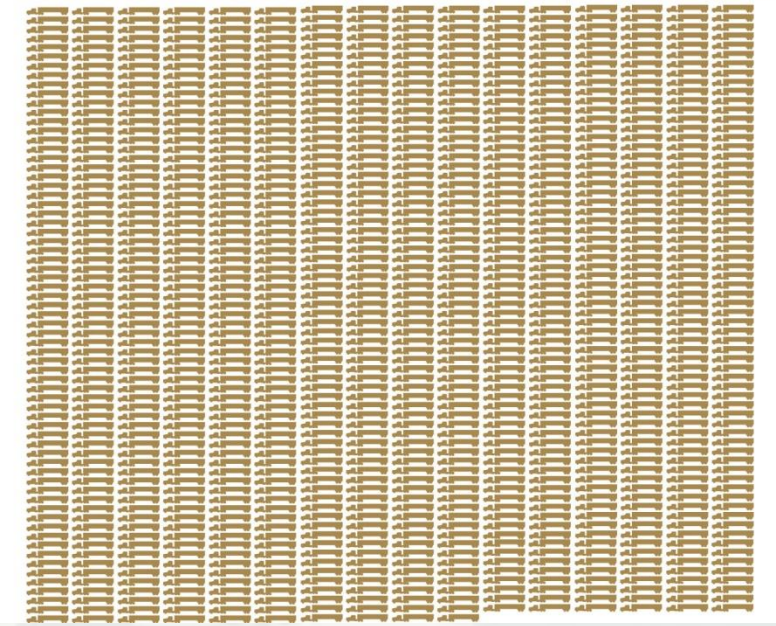
Commodity Transportation Efficiency

One Tow of 15 Barges + 1 Towboat

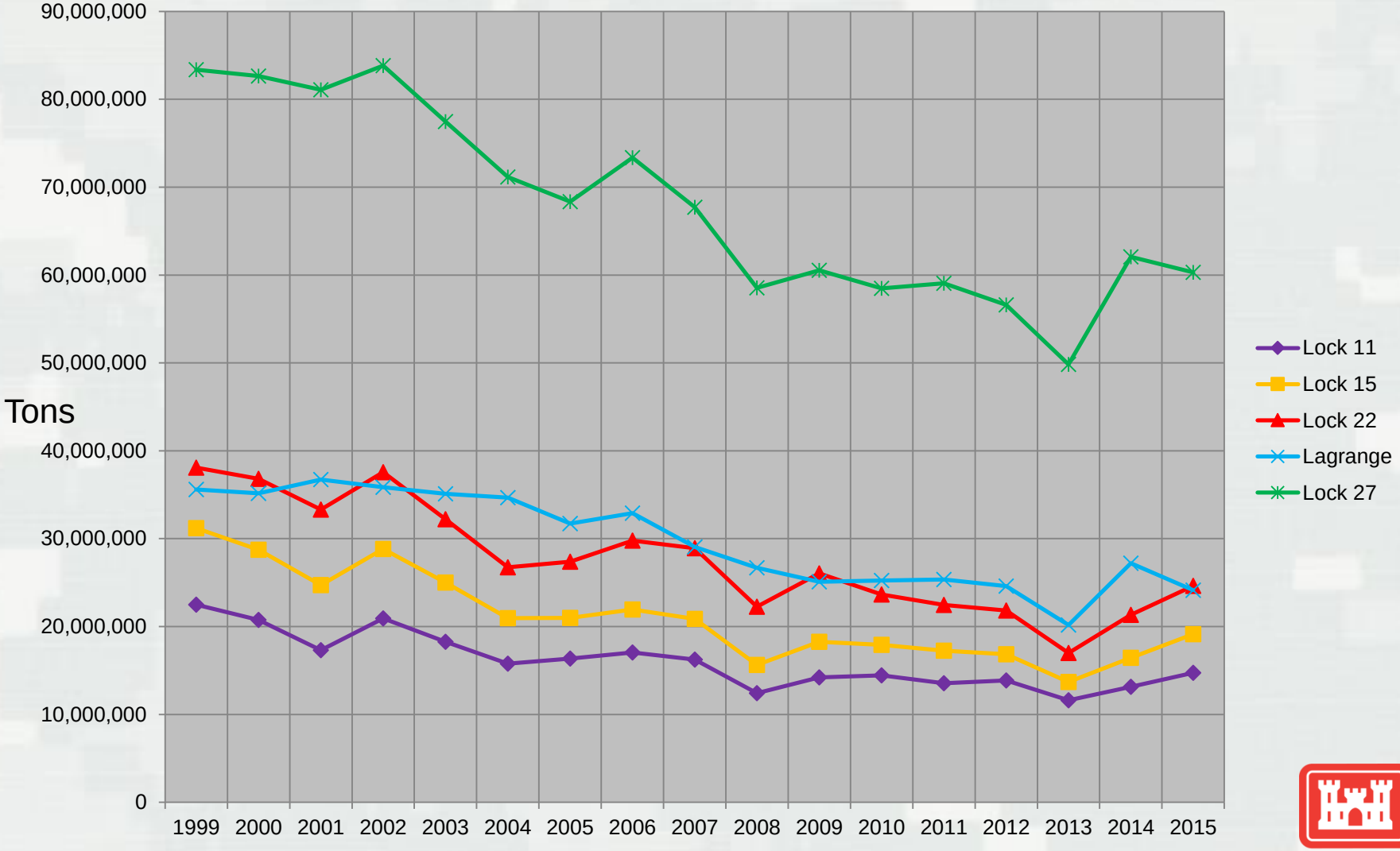
216 Rail Cars + 6 Locomotives



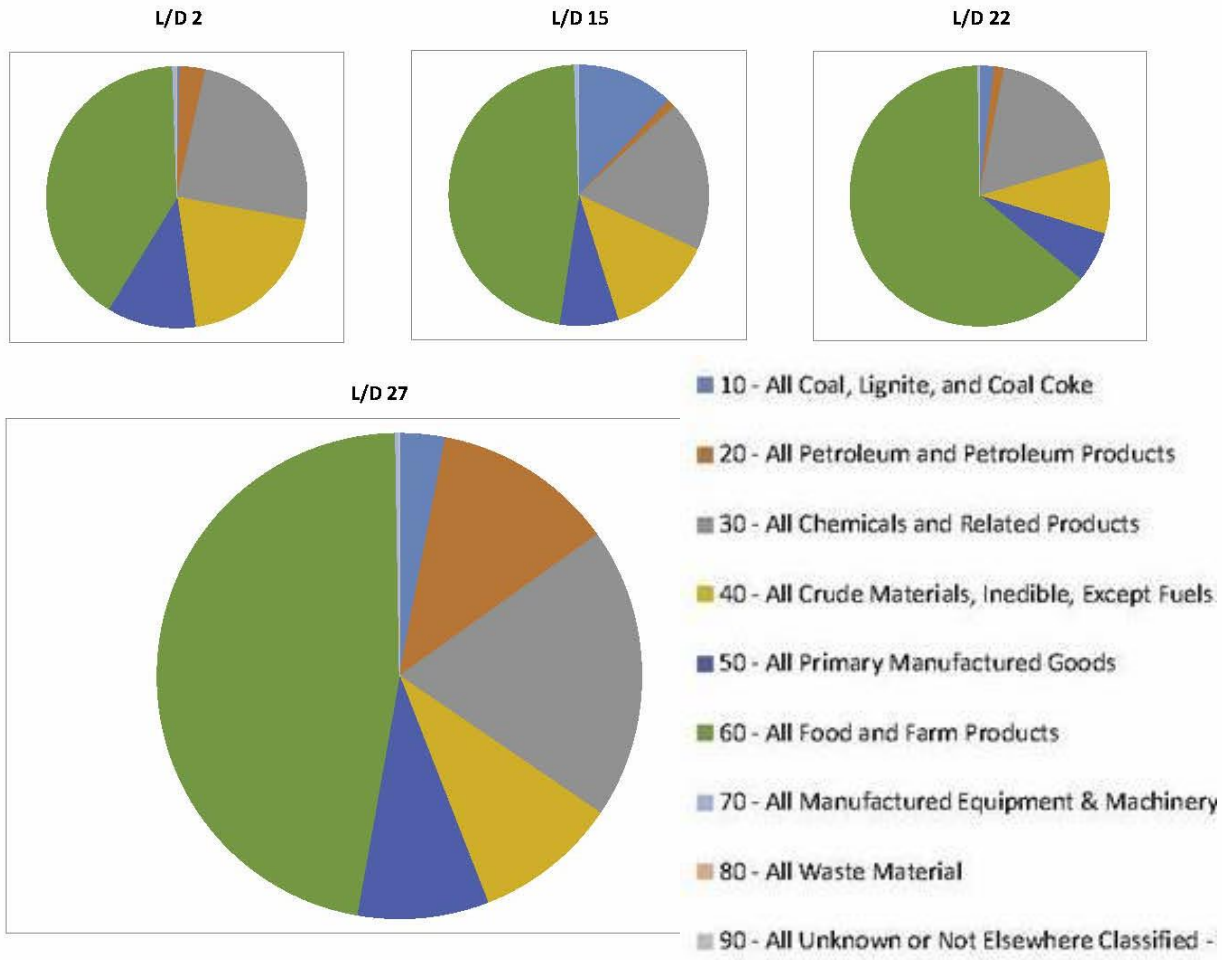
1,050 Large Semi Tractor-Trailers



UMR Tonnage 1999-2015



Commodity Types UMR



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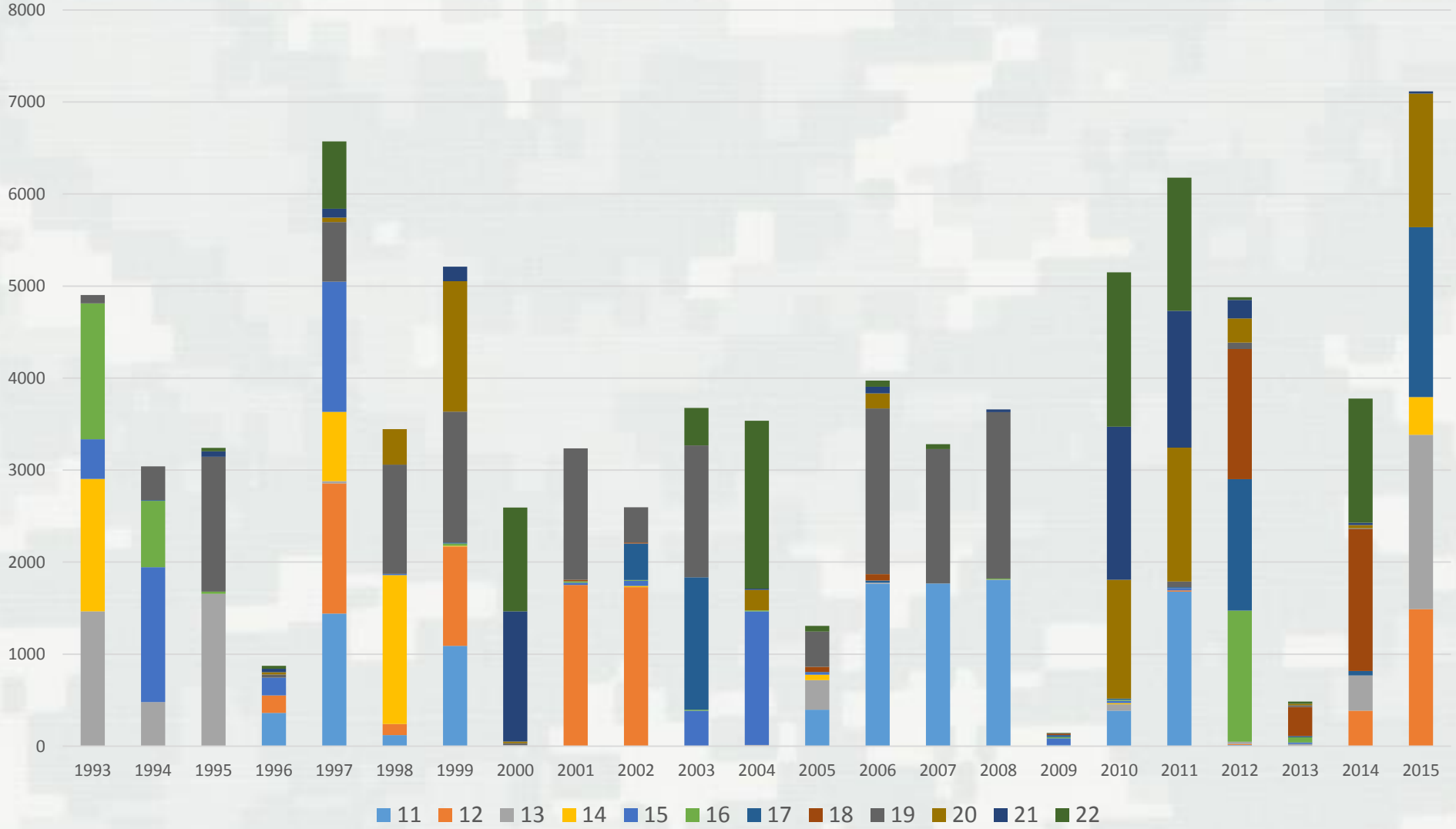
Mississippi Scheduled Lock Outages (Nav Notes)



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Rock Island District Operations Readiness

Unclassified
FOUO

Fully Operational | Restricted Operations | Out of Operation

Mississippi River L/D

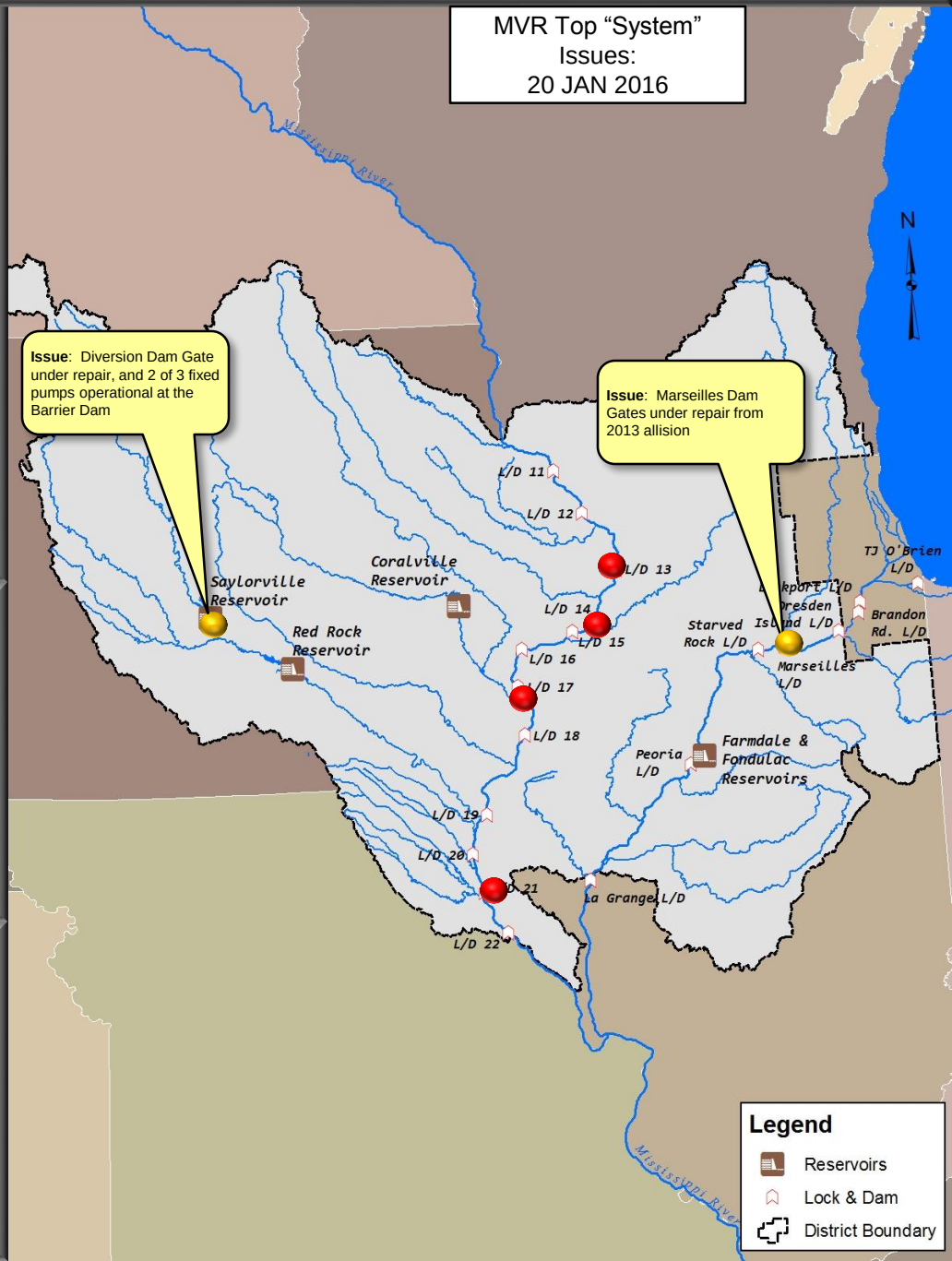
	Lock (P)	Lock (A)	# Oper / Dam Gates	Notes
LD 11				
LD 12				
LD 13				Dewatering
LD 14				BH Slots Installation
LD 15				
LD 16				
LD 17				BH Slots Installation
LD 18				
LD 19				
LD 20				
LD 21				Dewatering
LD 22				

Illinois Waterway L/D

	Lock (P)	Lock (A)	# Oper / Dam Gates	Notes
T.J. O'Brien				
Lockport				
Brandon Road				
Dresden Island				
Marseilles			6/8	Dam gates under repair
Starved Rock				
Peoria				
LaGrange				

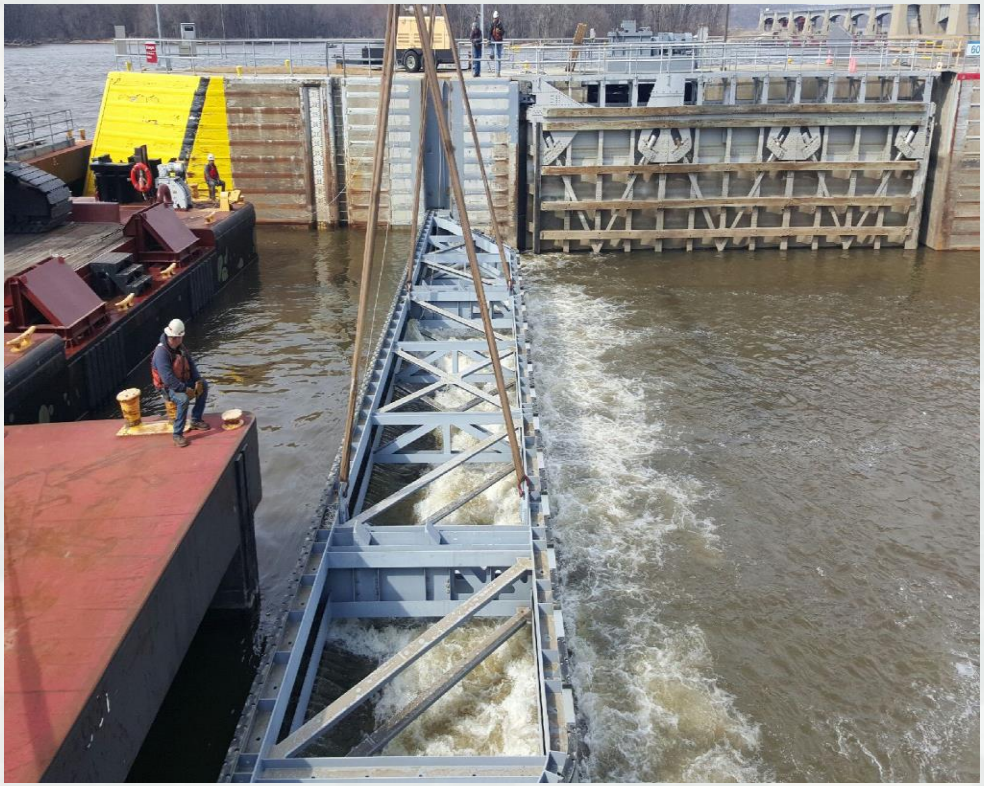
FRM Reservoirs

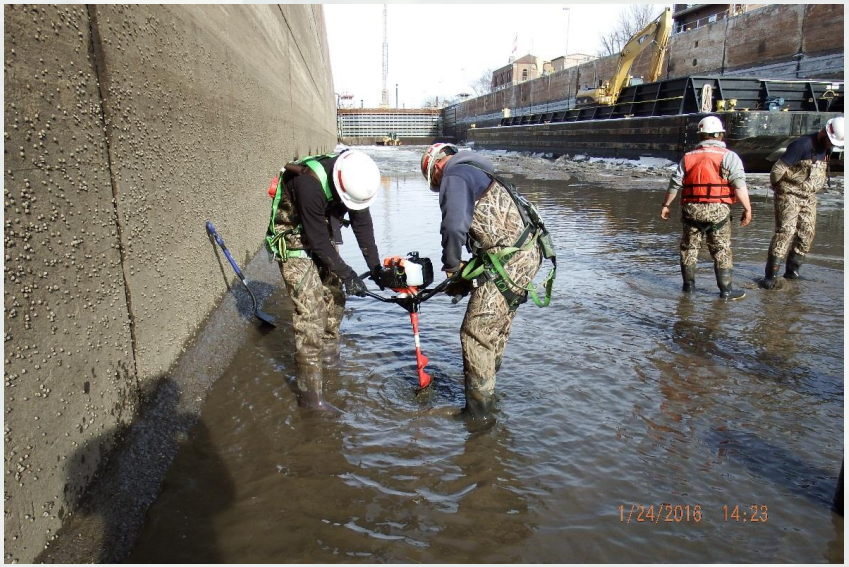
Saylorville		Diversion dam gate under construction,
Red Rock		
Coralville		Gates and Emergency Bulkhead don't seal, but does not affect project readiness
Farmdale		
Fondulac		



Bulkhead Recess Installation

Lock Dewatering





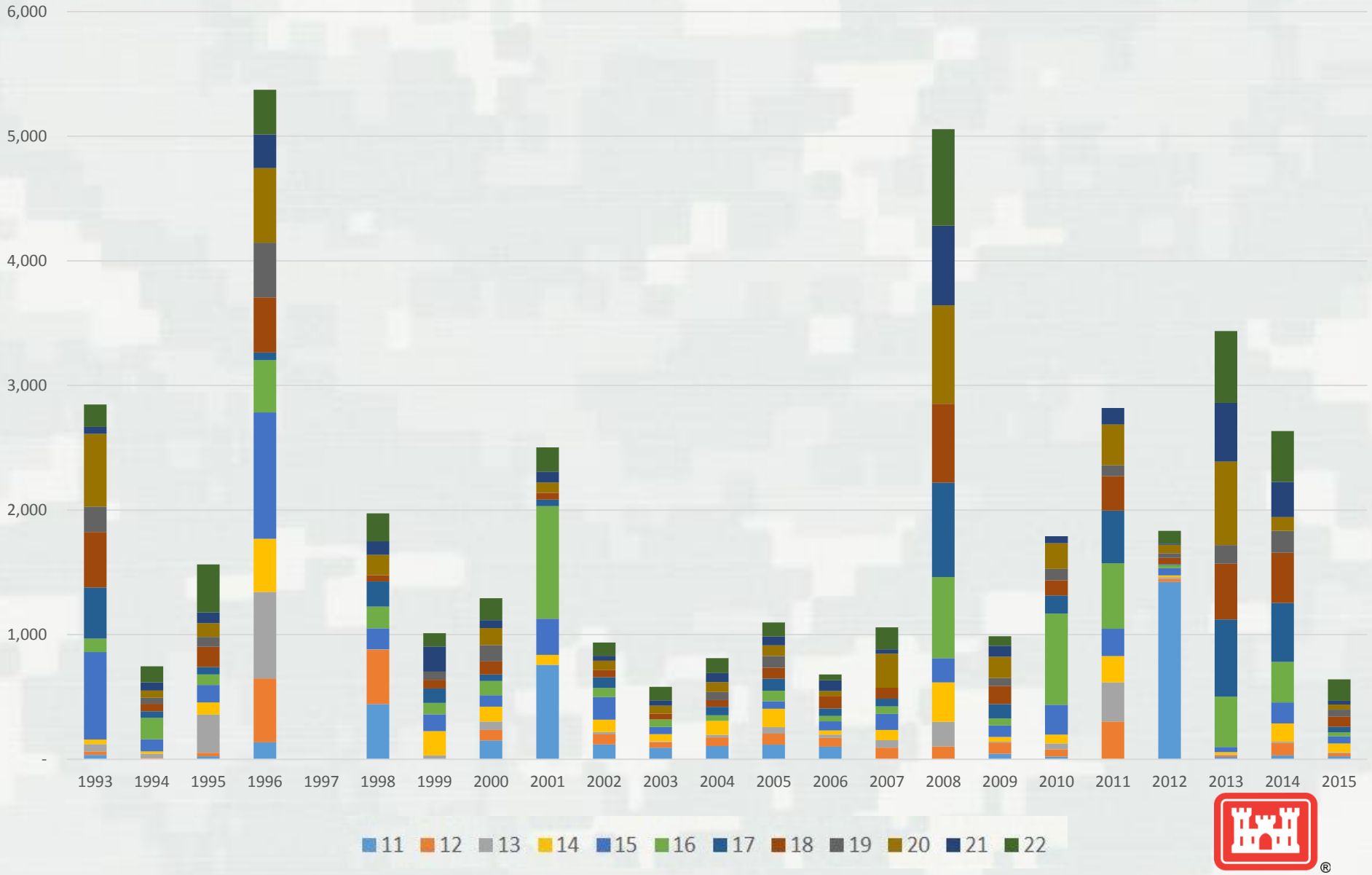
Miter Gate Install

Upcoming Scheduled Closures

- Mississippi River
  - Lock 15 – Bulkhead Recesses 13 Dec 16 – 3 Mar 17
  - Lock 16 – Bulkhead Recesses 13 Dec 16 – 3 Mar 17
  - Lock 17 – Dewatering 13 Dec 16 – 3 Mar 17
  - Lock 21 – Guidewall (Restriction) 15 Dec 16 – 28 Feb 17
  - Lock 22 – Tow Haulage (Restriction) 2 Jan 17 – 24 Jan 17

- Illinois Waterway
  - Starved Rock – Guidewall (Restriction) 1 Jun 17 – 7 Jul 17
  - LaGrange – Bulkhead Recesses (Restriction) 1 Jun 17 – 29 Aug 17

Mississippi Unscheduled Lock Outages (LPMS)



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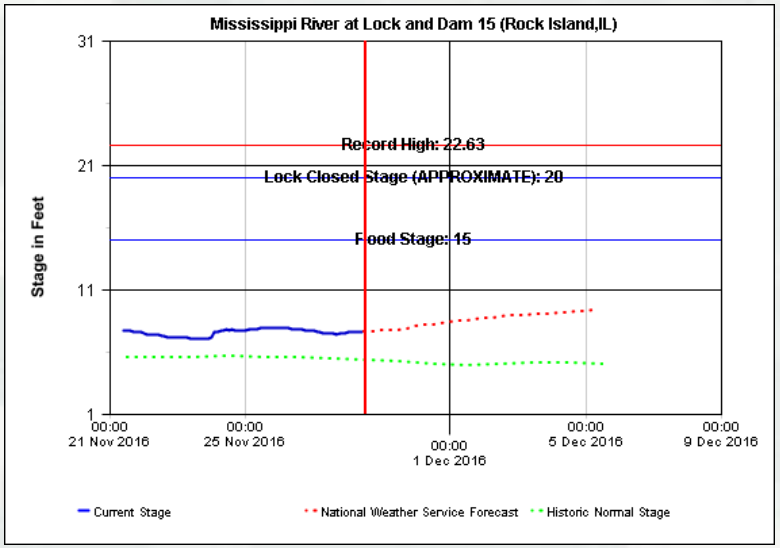
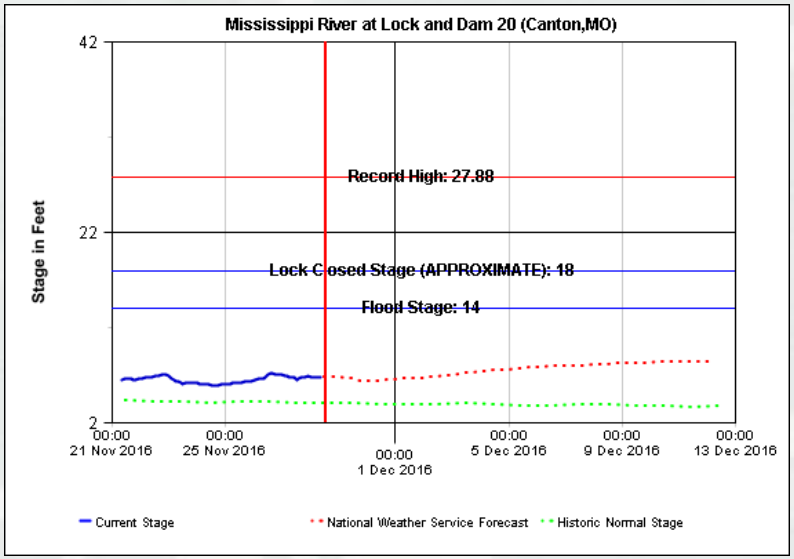
High Water Impacts





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High Water Impacts

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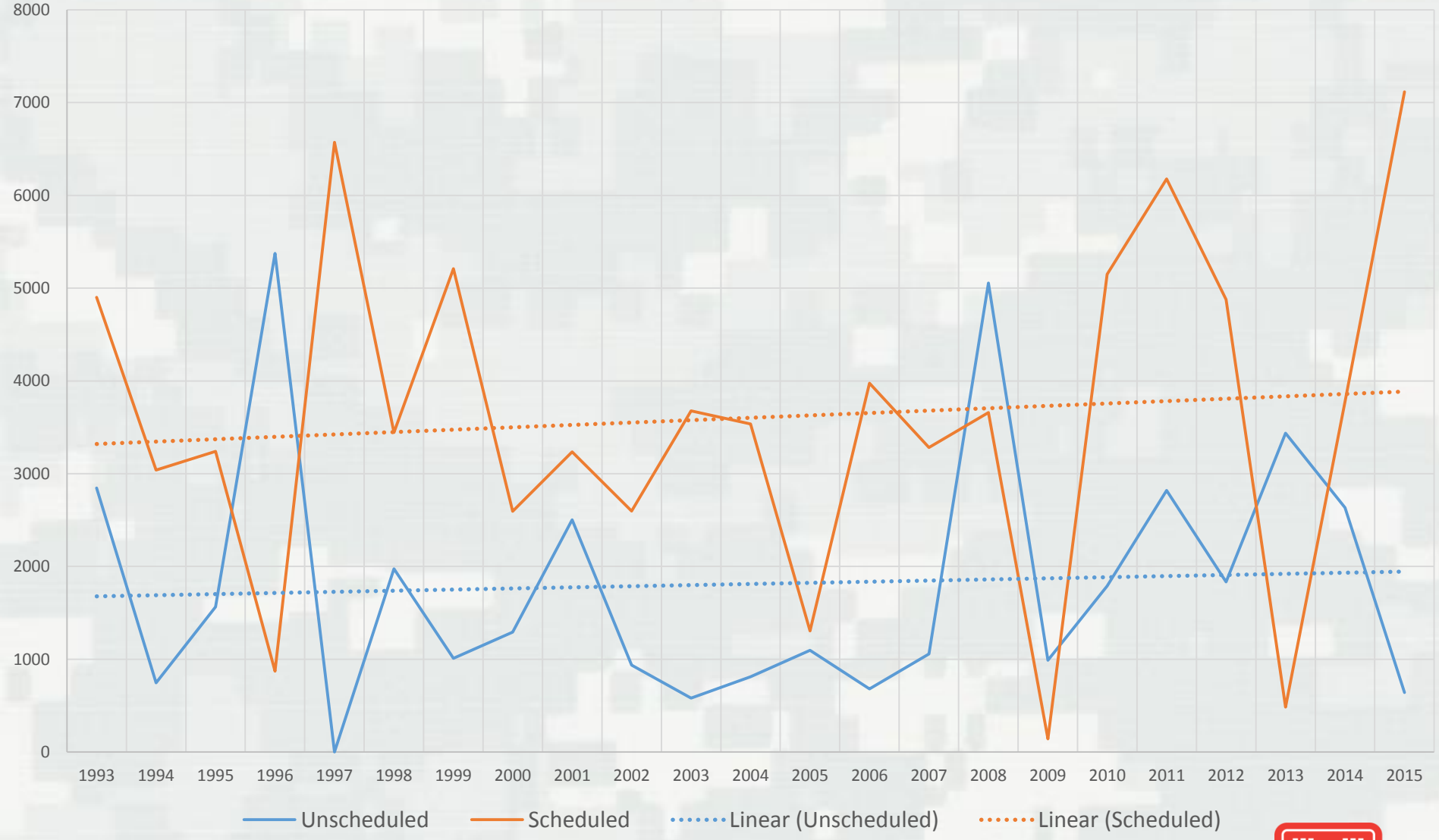
Mississippi Scheduled VS Unscheduled Lock Outages



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Questions?