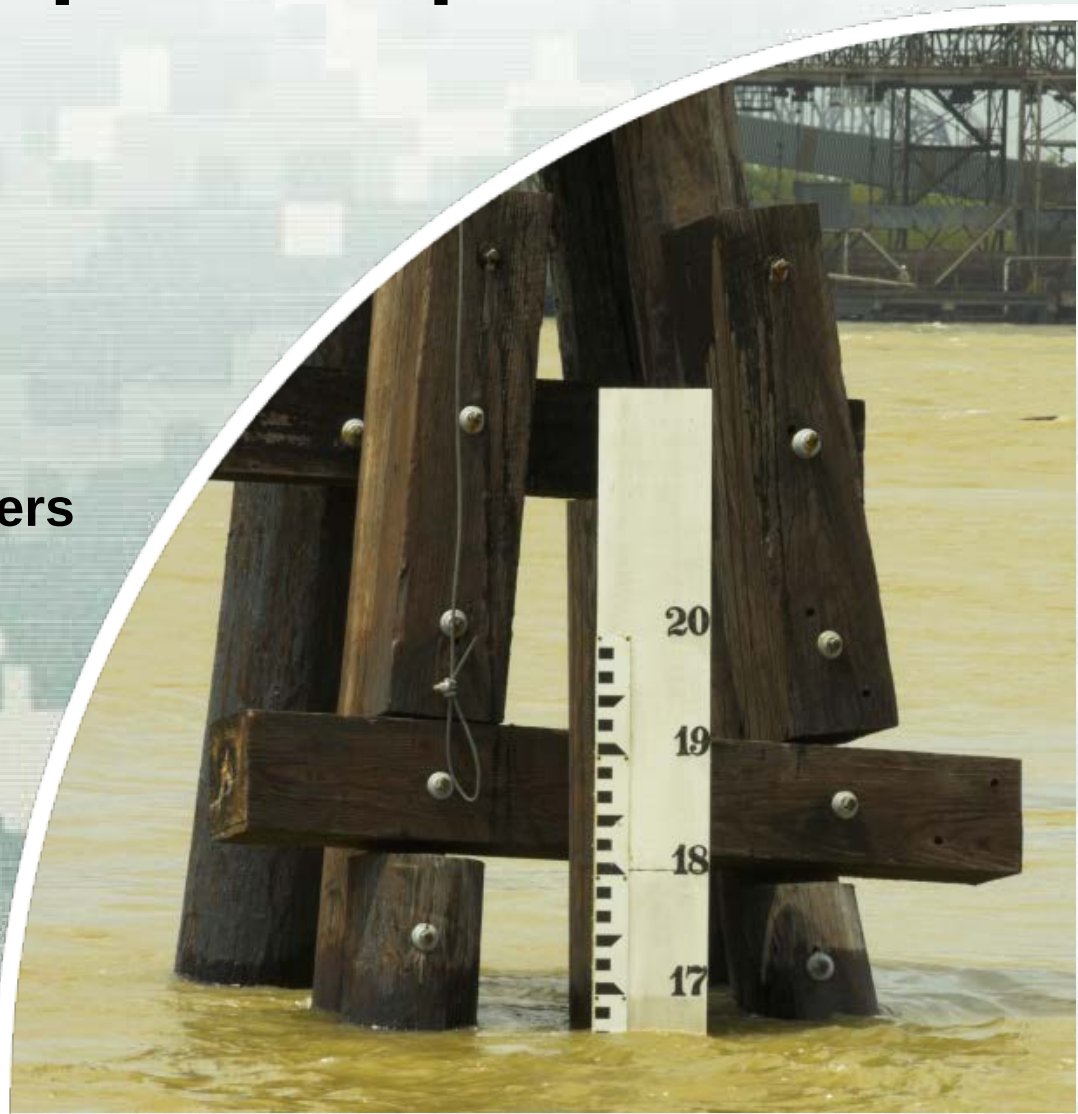
US Army Corps of Engineers

Flood Response Update



New Orleans District
U.S. Army Corps of Engineers

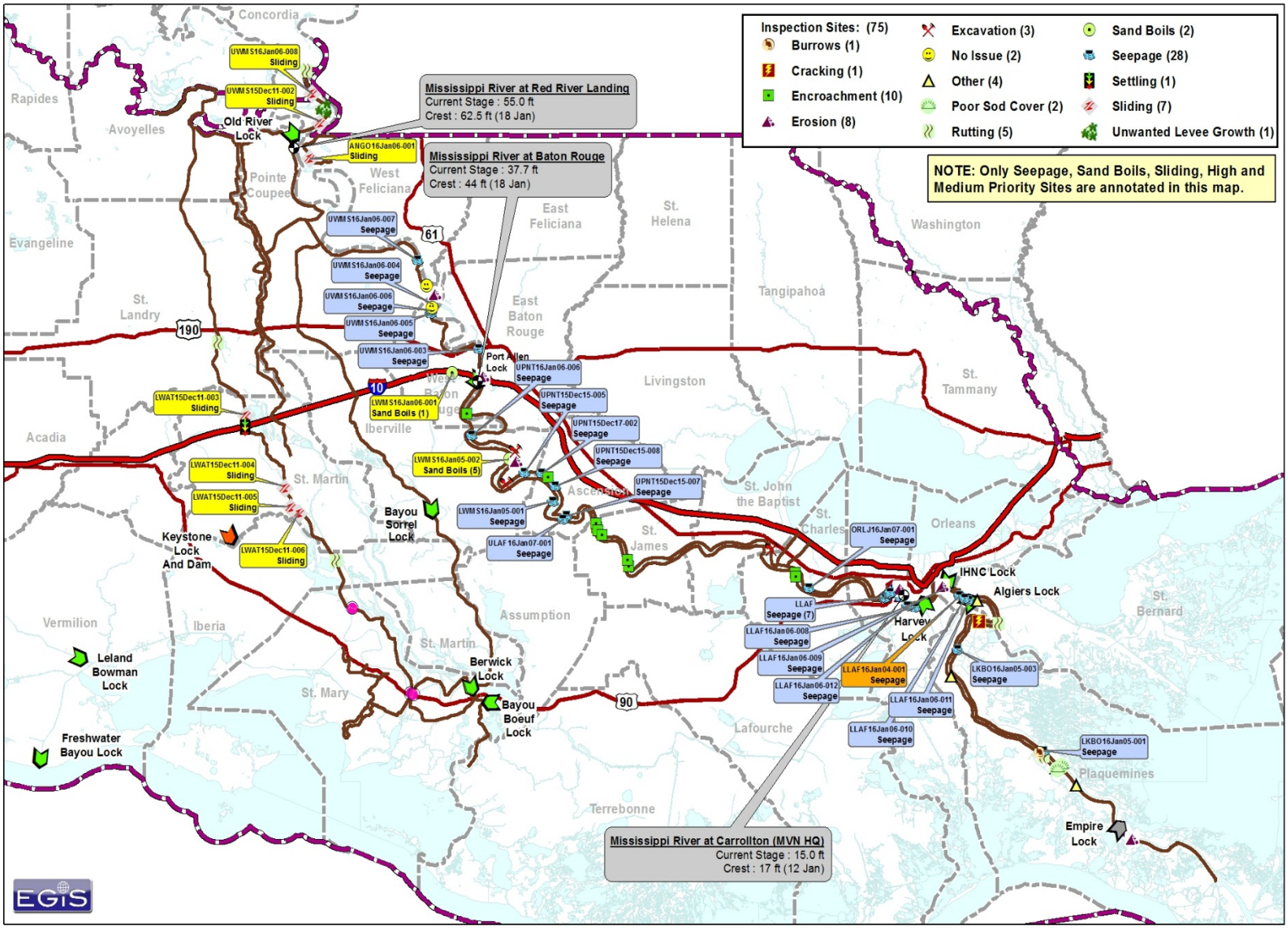
8 Jan 2016

US Army Corps of Engineers
BUILDING STRONG®

US Army Corps of Engineers
New Orleans District

New Orleans District Status Map

07 Jan 2016
@
1800 HRS



Point of Contact

Dana Ray
Phone: 504-862-1491
Email: Dana.R.Ray@usace.army.mil

Legend

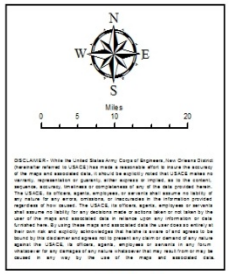
- Channel Floodgates

Locks

- Open
- Closure Imminent
- Closed
- Unknown
- Flood Control Systems
- Interstate Highways
- US Highways

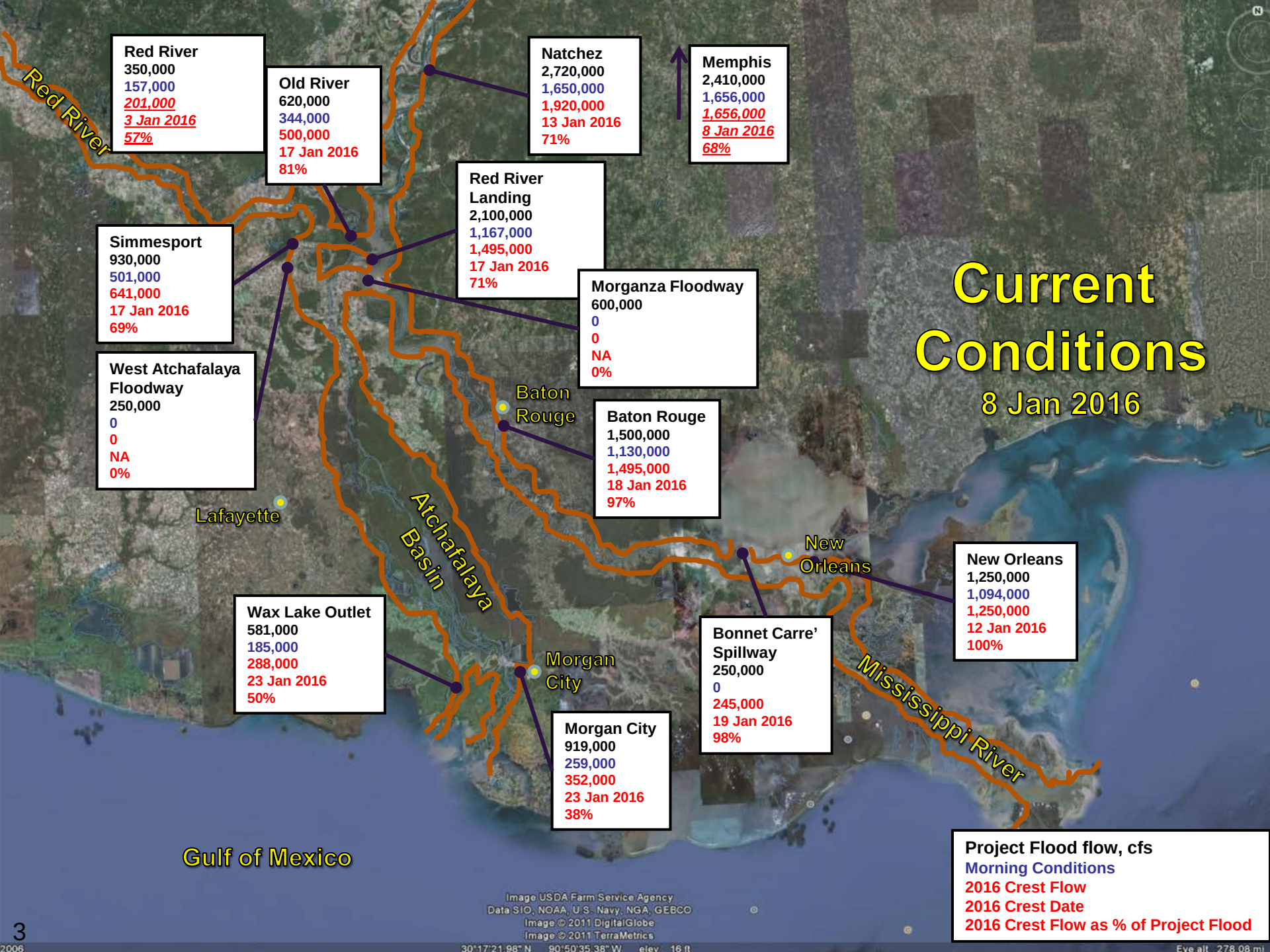
Priority Level

- High Priority
- Medium Priority
- Low Priority
- Low Priority Seepage

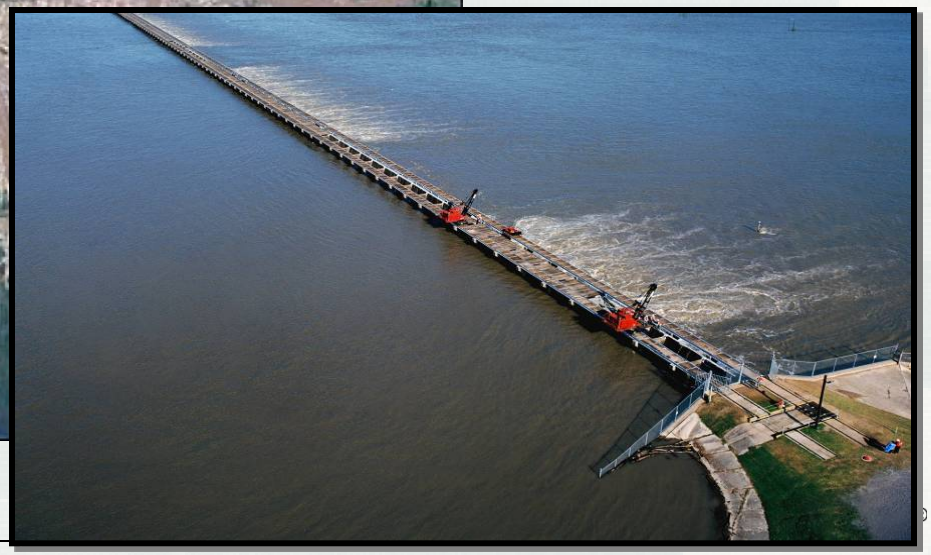


New Orleans District
Emergency Management
December 2015 Flood Fight

EGIS Map ID No. 16-011

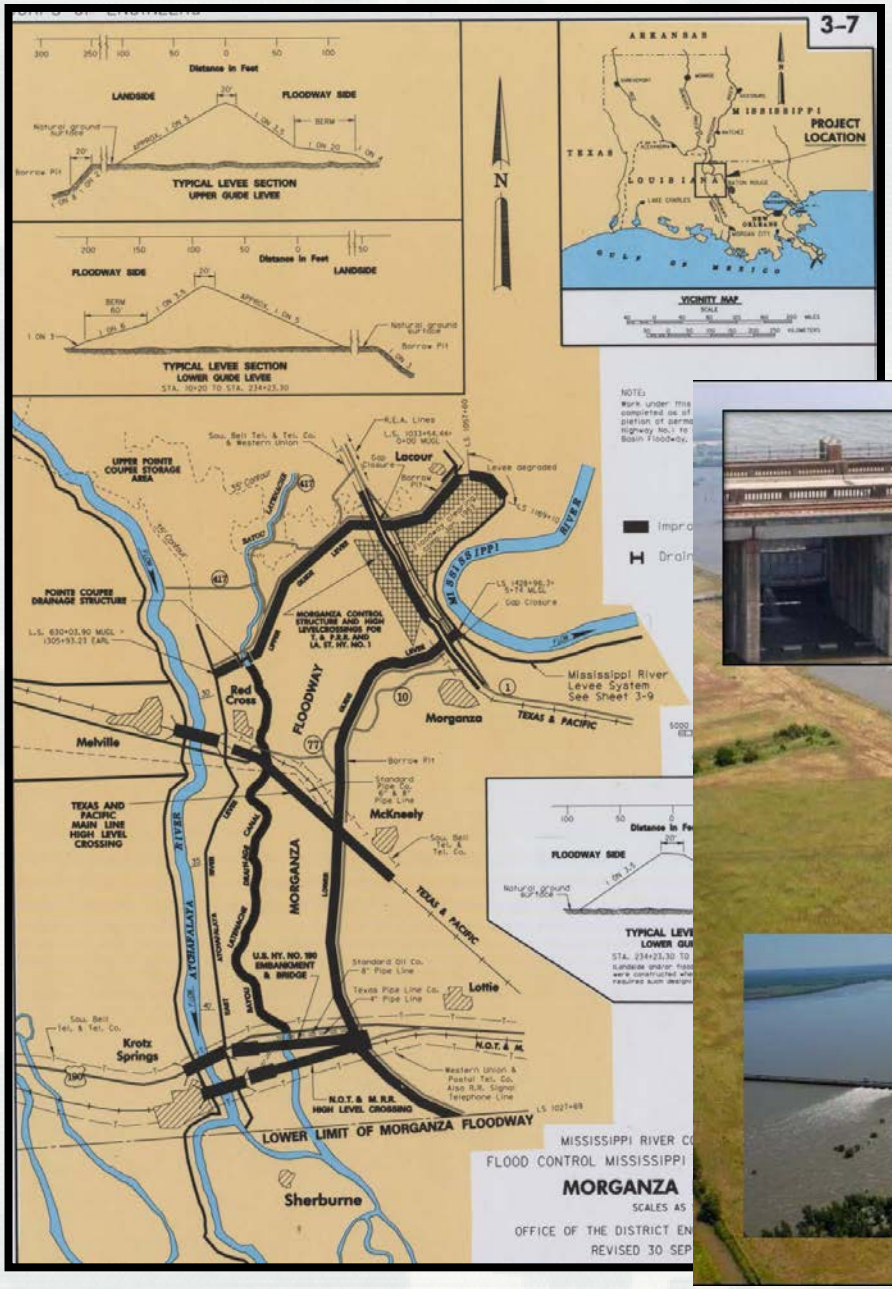

Current Conditions
8 Jan 2016
Red River
350,000
157,000
201,000
3 Jan 2016
57%
Old River
620,000
344,000
500,000
17 Jan 2016
81%
Natchez
2,720,000
1,650,000
1,920,000
13 Jan 2016
71%
Memphis
2,410,000
1,656,000
1,656,000
8 Jan 2016
68%
Red River Landing
2,100,000
1,167,000
1,495,000
17 Jan 2016
71%
Simmesport
930,000
501,000
641,000
17 Jan 2016
69%
Morganza Floodway
600,000
0
0
NA
0%
West Atchafalaya Floodway
250,000
0
0
NA
0%
Baton Rouge
Baton Rouge
1,500,000
1,130,000
1,495,000
18 Jan 2016
97%
Lafayette
Atchafalaya Basin
New Orleans
New Orleans
1,250,000
1,094,000
1,250,000
12 Jan 2016
100%
Wax Lake Outlet
581,000
185,000
288,000
23 Jan 2016
50%
Morgan City
Bonnet Carre' Spillway
250,000
0
245,000
19 Jan 2016
98%
Mississippi River
Morgan City
919,000
259,000
352,000
23 Jan 2016
38%
Gulf of Mexico
Project Flood flow, cfs
Morning Conditions
2016 Crest Flow
2016 Crest Date
2016 Crest Flow as % of Project Flood
Image USDA Farm Service Agency
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image © 2011 DigitalGlobe
Image © 2011 TerraMetrics

Bonnet Carré Spillway



- **Purpose:** maintain design flows of 1.25 million cfs or less through New Orleans
- **Opening trigger:** 1.25 million cfs and rising

Morganza Floodway



- **Purpose:** maintain design flows of 1.5 million cfs or less through Baton Rouge and 1.25 million cfs or less through New Orleans
- **Opening trigger:** 57.0 ft stage at Morganza with flow forecast of 1.5 million cfs

Morganza Floodway Potential Impacts

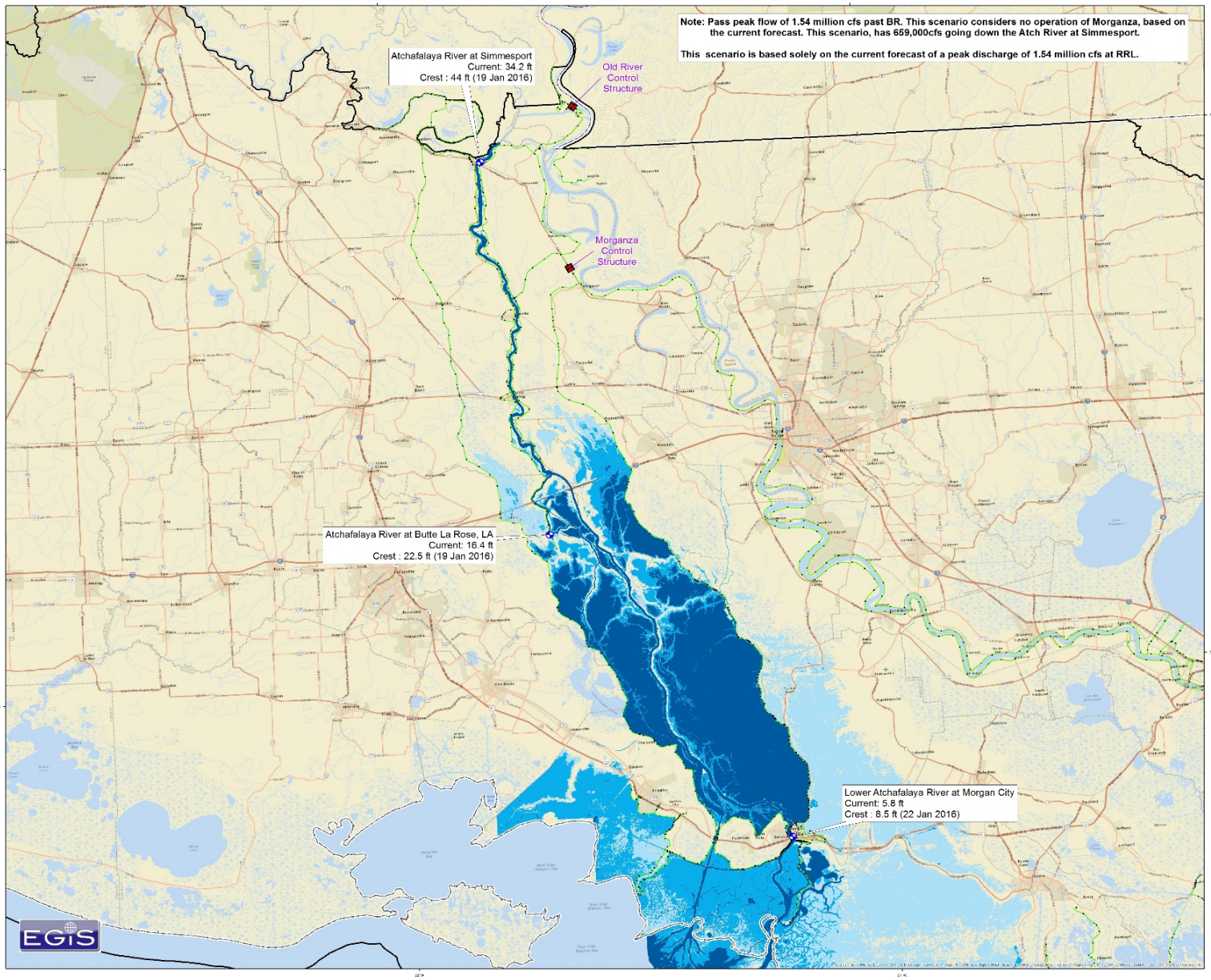
Course of Action	Peak Flow Through Morganza (cfs)	Estimated Peak Stage at Morgan City (ft)	Estimated Peak Stage at Lake Palourde (ft)	Estimated Peak Stage at Butte La Rose (ft)
No Action No Morganza Operation	0	8.5	4.3	22.5
Operating IAW the Water Control Manual	100,000	9.0	4.5	22.5
2011 Peak Stages		10.3	4.2 (barge in Bayou Chene)	23.1

US Army Corps
of Engineers
Mississippi Valley Division

Atchafalaya Basin / Morganza Floodway Inundation

No Action

07 Jan 2016
@
0900 HRS



Potential Inundation Depth

- 0 - 2 ft (Potential Flooding)
- 2 - 6 ft
- Greater than 6 ft
- Gage
- Levee
- USACE New Orleans District (MVN)

N

0 5 10 20 Miles

Disclaimer:

This map has been compiled using the best information available and is believed to be accurate; however, its preparation required many assumptions. Actual conditions during a flood event may vary from those assumed, so the accuracy cannot be guaranteed. The limits of flooding shown should only be used as a guideline for emergency planning and response actions. Actual areas inundated will depend on specific flooding conditions and may differ from the areas shown on the map.

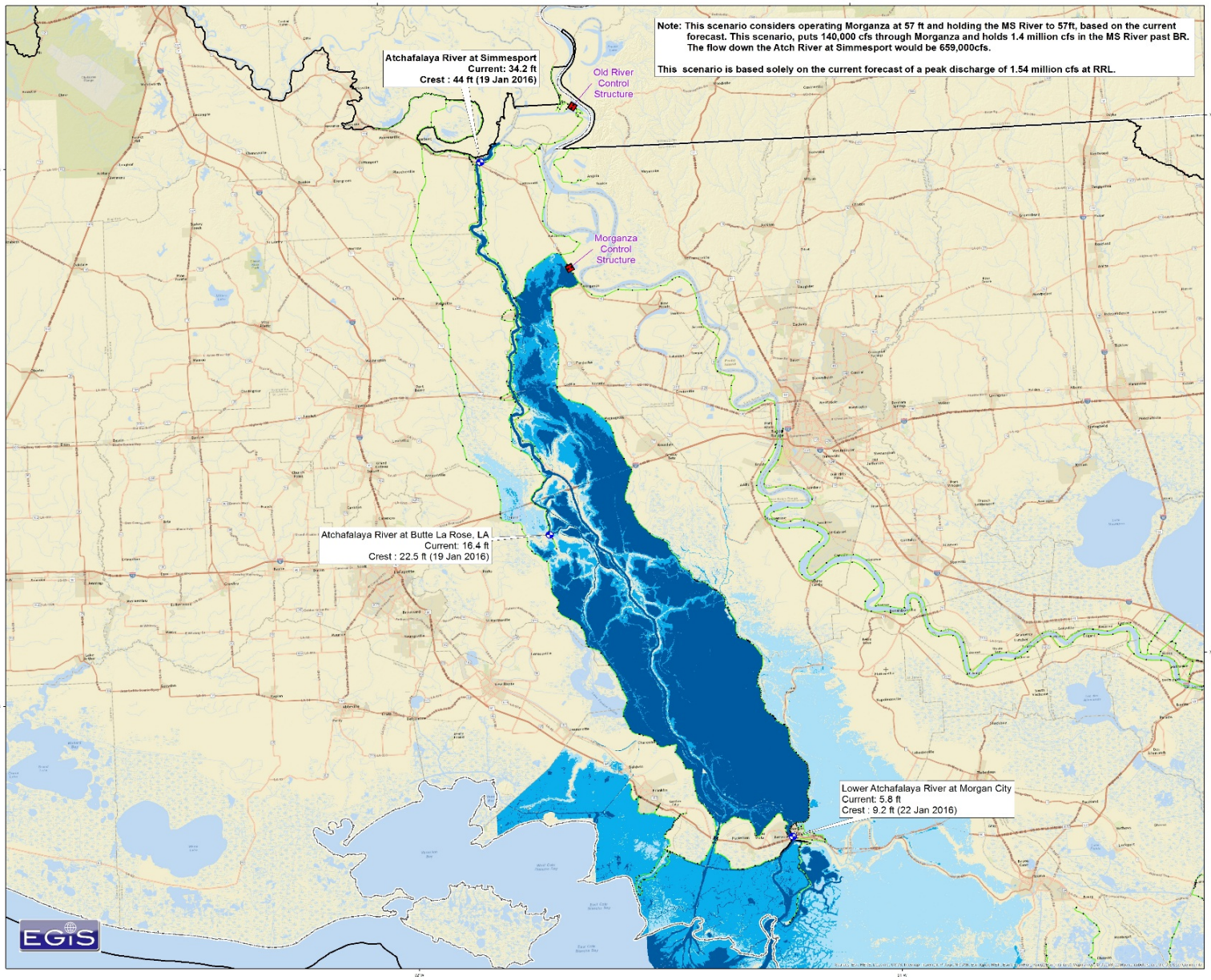
EGIS Map ID No. 16-011-009

US Army Corps of Engineers
Mississippi Valley Division

Atchafalaya Basin / Morganza Floodway Inundation

COA 1, Follow the WCM

07 Jan 2016
@
0900 HRS



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EGIS Map ID No. 16-011-009

Discussion