What is Your Story?
FEMA Region VII Levee Data Documentation to Share Our Past

ASFPM Conference 2017
Agenda

1. Levee Data
2. Data Analysis
3. Region VII Levee Database and Map
4. Future Applications
Levee Data

- System
- Segment
- Reach
- Study
Levee Data

Tables in the Region VII Levee Database
- System Information
- Studies Tracker
- PAL Status
- 65.10 Tracker
- Media
- Region VII Levee Mapping
Data Analysis

Region VII Levee Mapping Table

• Supports Region VII Levee Mapping Strategy
• Follows the Levee Mapping Decision Matrix
• Answers the levee data evaluation phase of LAMP
• Relates to the other levee data tables
Data Analysis

Key Factors For Mapping Path Decision

- Current Accreditation Status
- Freeboard greater than or equal to 2 feet
- CNMS validation status
Data Analysis

Possible Levee Mapping Paths

- Accreditation
- PAL Eligible
- LAMP Eligible
- Not Hydraulically Significant - Natural Valley
Region VII Levee Database
Region VII Levee Database
Region VII Levee Database

Levee System Story Book

System Information

- System ID: 9605000008
- System Name: Oskawatamie
- Federal Levee: Yes
- Levee System Miles: 5.0
- USACE District: Kansas City
- Flooding Sources: Marais Des Cygnes River
- State: KS
- County: Miami County
- Congressional District: 02
- FEMA Region: 7
- Jurisdiction: Oskawatamie city, Miami County
- HUCS Watershed Name: Upper Marais Des Cygnes

Levee System Accreditation Status on Effective FIRM List:
- Provisionally Accredited Levee (PAL) System
- Accreditation Note: PAL note still on FIRM

Mapping Issue:
- Expired PAL

FIRM Panels:

FIRM Effective Dates:
- 08/19/2008, 08/19/2008, 08/19/2008, 08/19/2008, 08/19/2008

Projected Initiated Date: FY13
Actual Initiated Date: 8/26/2014

Projected Prelim Date: [Blank]
Actual Prelim Date: [Blank]

Projected Effective Date: FY19
Actual Effective Date: [Blank]

System Information Comment:
- LAMP Plan completed. Community seeking Freeboard Definitive Procedure

Study Status

- Levee Studies ID: RJK003
- Study Name: MIAMI COUNTY, KS, RISK MAP 09
- Fiscal Year Funded: FY13
- MIP Case Number: 14.07.2608S

Stantec
### Levee System Story Book

**System Information**

<table>
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<td>Federal Levee</td>
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<td>Levee System Mile</td>
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<td>USACE District</td>
<td>Kansas City</td>
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<td>Flooding Source</td>
<td>Marais Des Cygnes River</td>
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<tr>
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<td>KS</td>
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<tr>
<td>County</td>
<td>Miami County</td>
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<td>FEMA Region</td>
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<td>Jurisdiction</td>
<td>Osawatomie city,Miami County</td>
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<td>FIRM Panels</td>
<td>20121C0168C,20121C0277C,20121C0281C,20121C0276C,20121C0164C</td>
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*Sunday, April 30, 2017, 2:33:14 PM*
Region VII Levee Database

Report Center

- Single Levee System Story Book
  - State: KS
  - County: Miami County
  - System ID: 3603000008

- Countywide Story Book
  - State: [state]
  - County: [county]

- Watershedwide Story Book
  - State: [state]
  - Watershed: [watershed]

- FEMA RRR
  - State: [state]
  - County: [county]

Media Summary
- Media ID: 1
- System ID: 3603000008
- MIME Type: PDF
- Link: Details

Return to Main Menu

Stantec
## Region VII Levee Database

### Chapter 01
Levee System Overview

### Clayton County

<table>
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<tr>
<th>System ID</th>
<th>System Name</th>
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<th>Mapping Path Forward</th>
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<td>Marquette city</td>
<td>Non-Accredited Levee System</td>
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<tr>
<td>5105590001</td>
<td>Elkport, IA</td>
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<td>5105590180</td>
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<td>5105910001</td>
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<td>5105910002</td>
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<tr>
<td>5705000042</td>
<td>Mississippi River - Guttenberg</td>
<td>Clayton County, Guttenberg city</td>
<td>Provisionally Accredited Levee (PAL) System</td>
<td>Map Revision - LAMP Phase 4</td>
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6 system(s) found in Clayton County, IA
## Chapter 02
### Levee Geographic Footprint

**Sunday, April 30, 2017 2:49:47 PM**

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<th>System ID</th>
<th>System Name</th>
<th>USACE District</th>
<th>State</th>
<th>County</th>
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<td>Marquette city</td>
<td>Coon-Yellow</td>
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<td>5105910001</td>
<td>VOLGA, IA</td>
<td>Rock Island</td>
<td>IA</td>
<td>Clayton County</td>
<td>Volga city</td>
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<td>01</td>
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<td>5105910002</td>
<td>Volga, IA - Nagle Creek</td>
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<td>IA</td>
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<td>Volga city</td>
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<td>St. Paul</td>
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**6 system(s) found in Clayton County, IA**
### Chapter 03
Levee Accreditation Status

**FEMA Region 7**

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<tr>
<th>System ID</th>
<th>System Name</th>
<th>Sys. Miles</th>
<th>Accreditation Status</th>
<th>Accreditation Note</th>
<th>FIRM Panels</th>
<th>FIRM Effective Dates</th>
<th>Flooding Sources</th>
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<td>MISSISSIPPI RIVER</td>
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<td>5105590001</td>
<td>Elkport, IA</td>
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### Region VII Levee Database

#### Chapter 04
Levee System Information Comments

**Sunday, April 30, 2017 2:49:47 PM**

**IA**

**Clayton County**

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<td>5105590001</td>
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<td>5705000042</td>
<td>Mississippi River - Gottenberg</td>
<td>Community responding to 65.10 review comments</td>
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6 system(s) found in Clayton County, IA
### Chapter 05 Studies

**Sunday, April 30, 2017 2:49:47 PM**

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<th>System IDs</th>
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<th>MIP Case Number</th>
<th>Study Name</th>
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## IA

**Clayton County**

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<th>Zone Adjacency</th>
<th>Assumed Engineering Analysis</th>
<th>Assumed Levee Mapping</th>
<th>Assumed mapping summary</th>
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### Levee Accreditation Status

**Sunday, April 30, 2017 2:56:21 PM**

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<td>MISSISSIPPI RIVER</td>
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<tr>
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<td>Elk Creek</td>
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### Region VII Levee Database

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**11 system(s) found in Middle Cedar watershed, Black Hawk County, IA**

**3 system(s) found in Middle Cedar watershed, Linn County, IA**
**Region VII Levee Database**

### Rapid Response Report

**Affected Area**

**Levee Accreditation**

Sunday, April 30, 2017
3:08:58 PM

**Summary of Status in this report:**

- **14** Non-Accredited Levee System(s)
- **4** Accredited Levee System(s)
- **0** Provisionally Accredited Levee System(s)

<table>
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<th>System ID</th>
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<td>Sarpy County</td>
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<td>MRLS R-613 &amp; 616</td>
<td>Sarpy County</td>
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<td>1705990656</td>
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<td>4705000090</td>
<td>R-613 - Platte LB &amp; Papillion RB &amp; MO River RB</td>
<td>Sarpy County</td>
<td></td>
</tr>
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</table>
Region VII Levee Database

Main Menu

Mapping Center

Region VII Levee Database

Version 1.0
Region VII Levee Map

FAST Levee Database with Web AppBuilder for ArcGIS

View it on your browser

Region VII Levee Database

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Region VII Levee Map
Region VII Levee Map

![FAST Levee Database](http://fema.maps.arcgis.com/apps/webappviewer/ins/)
Region VII Levee Map
Region VII Levee Map
Future Applications

Region VII Levee Data Library
• More Story Books
  • Spatial Analysis: How many ___ are within ___?
• Planning, Projections
• Multi-Media
  • Photographs
  • 2D and 3D model simulation videos

Share Libraries
• All FEMA Regions levee data
• National Levee Database
Share Your Story

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Rick Nusz, PG, CFM
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