

# **Status of Flood Recovery**



### Missouri River Flood Task Force February 28, 2012 Omaha, NE





Verlon Barnes Missouri River Basin Coordinator USDA Natural Resources Conservation Service





## Flood Response, Recovery, and Mitigation

Natural Resources Conservation Service (NRCS)

- Flood Response and Flood Recovery
  - EWPP Emergency Watershed Protection Program\*
     Some EWPP eligible activities for public and private landowners include:
    - Debris-clogged stream channels
    - Undermined and unstable streambanks

- jeopardized water control structures and public infrastructures Requires a project sponsor that are a legal subdivision of the State, or a Tribe or tribal organization.

\*EWPP is subject to a disaster declaration and supplemental appropriations.





## Flood Response, Recovery, and Mitigation

## (NRCS continued)

- Flood Mitigation (to address more long-term flood risk management)
  - CTA Conservation Technical Assistance Program
  - EQIP Environmental Quality Incentive Program
  - EWPP-FPE Floodplain Easements\*
  - WRP / WREP Wetlands Reserve Program / Wetlands Reserve Enhancement Program
  - Watershed Rehabilitation Program
  - Snow Survey and Water Supply Forecasting Program (including SNOpack TELemetry, aka SNOTEL)
  - Soil Climate Analysis Network (SCAN)

\*EWPP is subject to a disaster declaration and supplemental appropriations, the remaining programs receive on-going funding.



## Flood Response, Recovery, and Mitigation

### A five state Wetland Reserve Enhancement Program (WREP) is being proposed

- Involves the states of IA, KS, MO, NE, SD
- Requires a project sponsor that provides a 5% cash match, a 20% in-kind match, or a combination of the two.
- Is a voluntary-based wetland restoration program involving long-term or permanent easements.
- Should know status by April 1, 2012.



# Flood Response, Recovery, and Mitigation

### A Soil Health Initiative is being implemented on a national level through NRCS

This is a voluntary-based program for landowners involving primarily cropland and grazing lands (80-85% of the Mo Basin).

Some benefits for flood risk reduction include:

- >Increased rainfall infiltration into the soil
- > Increased water-holding capacity within the soil profile
- Reduced runoff of rainfall and snow melt

There are also a number of non-flood related benefits.



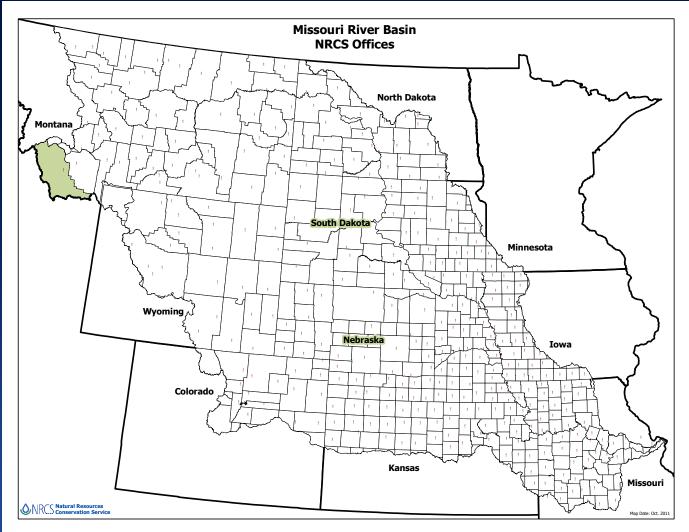
## Flood Response, Recovery, and Mitigation

### Soil Climate Analysis Network (SCAN) and SNOwpack TELemetry (SNOTEL)

NRCS is very interested and willing to work with others to increase SCAN and/or SNOTEL sites to improve moisture monitoring from the plains and/or mountains.



## USDA Offices in nearly every county within the Missouri River Basin







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# Missouri River Flood Taskforce February 28, 2012 Omaha, Nebraska







USDA Secretary Vilsack Announced Disaster Assistance on January 18, 2012
Includes funds for:

Farm Service Agency's (FSA) Emergency Conservation Program (ECP)

 Farm Service Agency's (FSA) Emergency Forest Restoration Program (EFRP)



# **ECP** Practices

- EC1 Removing Debris From Farmland
- EC2 Grading, Shaping, Releveling, or Similar Measures
- EC3 Restoring Permanent Fences
- EC4 Restoring Conservation Structures and Other Installations
- We anticipate most of the cost share will be utilized on EC1 and EC2



# **ECP Cost Share**

- The ECP program provides cost share to eligible participants in the amount of 75% of the actual cost.
- The total costs cannot exceed 50% of the agricultural value of the land.











# Emergency Forest Restoration Program (EFRP)

 Provides payments to eligible owners of nonindustrial private forest (NIPF) land in order to carry out emergency measures to restore land damaged by a natural disaster, including to restore forest health and forest related resources on the land.











# Supplemental Revenue Assistance Payment Program (SURE)

- The signup for the 2011 program has not yet been announced
- Designed to provide assistance to producers suffering crop losses due to natural disasters.
- To receive SURE payments, an eligible producer must have a qualifying loss. A qualifying loss means at least a 10 percent production loss affecting one crop of economic significance due to a disaster on a farm in a disaster county.



# **Emergency Loans**

 USDA's Farm Service Agency (FSA) provides emergency loans to help producers recover from production and physical losses due to drought, flooding, other natural disasters, or quarantine.

### Loan Uses

- Emergency loan funds may be used to:

- Restore or replace essential property;
- Pay all or part of production costs associated with the disaster year;
- Pay essential family living expenses;
- Reorganize the farming operation; and
- Refinance certain debts.



# **Disaster Set Aside**

- When Farm Service Agency (FSA) borrowers located in designated disaster areas or contiguous (adjoining) counties are unable to make their scheduled payment on any FSA debt, FSA is authorized to consider set-aside of one payment to allow the operation to continue.
- An FSA borrower must submit a request for the Disaster Set-Aside in writing to FSA within 8 months of the disaster designation. (Check with your local FSA Office for Deadlines)

# Missouri Basin Climate Outlook 2012

Doug Kluck Regional Climate Services Director NOAA Kansas City, MO 816-994-3008 Doug.kluck@noaa.gov



#### Flood aftermath (MO/IA) – Fall 2011



# Key Points

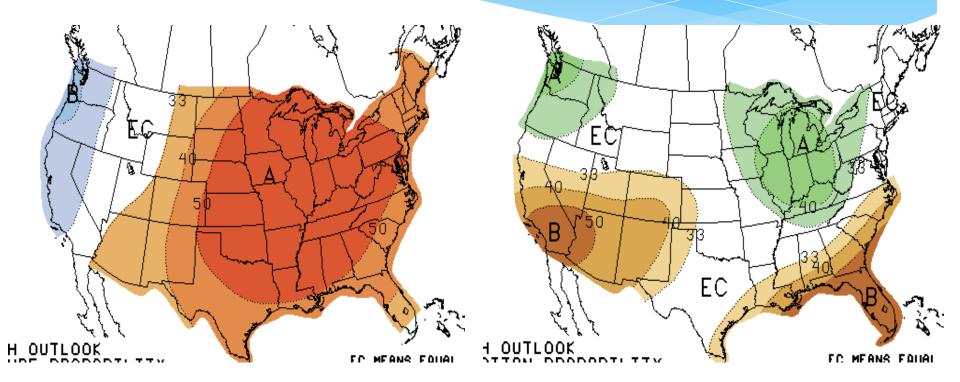
### \* Current Conditions

- Little Plains snow and less than average mountain snow pack
- \* Continuing very warm conditions overall (record)
- \* La Nina conditions fading

### \* Predictions

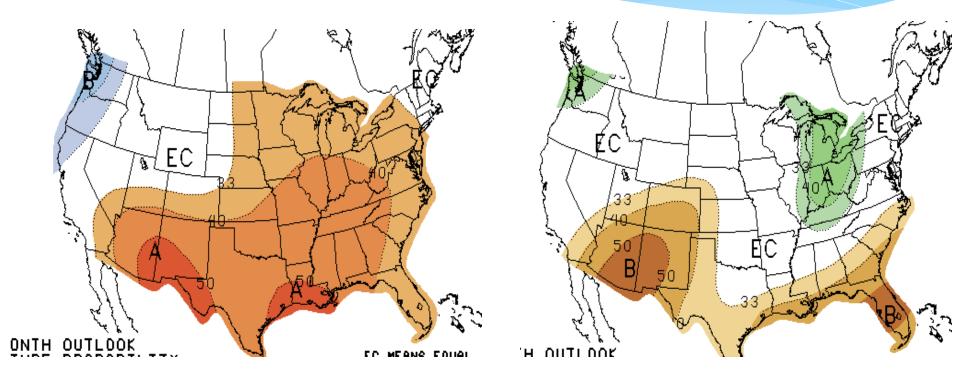
- Increased chances of warmer conditions
- Reduced chance of wetter conditions
- \* Limited La Nina impact/persisting current conditions

# March Temperature and Precipitation Probabilities



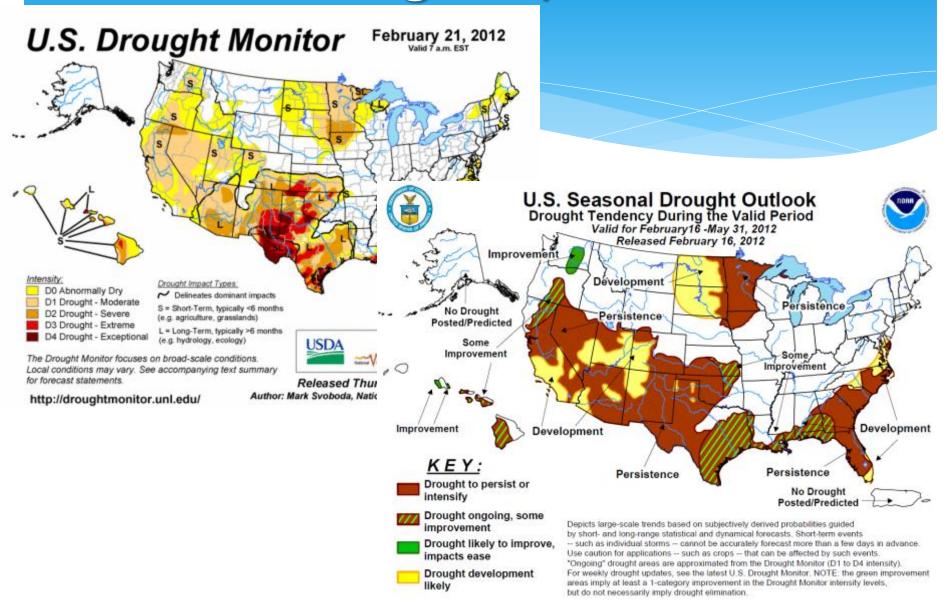
http://www.cpc.ncep.noaa.gov/products/predictions/30day/

3 Month Temperature and Precipitation Probabilities (March – April - May)



http://www.cpc.ncep.noaa.gov/products/predictions/long\_range/seasonal.php?lead=1

# **Drought Update**



# Continuing Climate Information Delivery for the Missouri Basin

- \* NOAA and Partners
  - State climatologist, High Plains Regional Climate Centers, NRCS, USACE,
- \* Quarterly Summary and Outlook
- \* Ramp up in times of need (drought/flood/hot/cold)
- \* Continue to need feedback on need for timely climate information like this
  - \* Webinars needed monthly?
  - \* Discuss other topics like impacts from the warm dry winter and causes?
  - \* What decisions are made based on this information?

### \* Next Climate Outlook

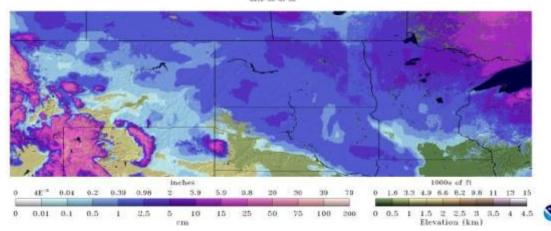
- \* March 16<sup>th</sup> 2012, next Webinar
- \* Access to previous Missouri Basin Webinars and information
  - http://esrl.noaa.gov/cog/lanina/webinars

## Thank You

- \* Doug Kluck: doug.kluck@noaa.gov
- \* 816-994-3008

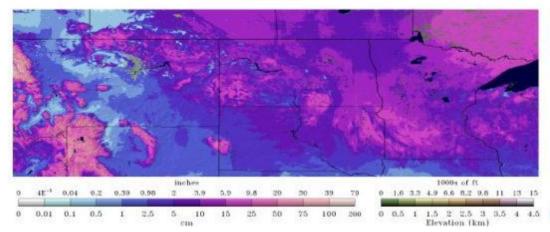
# Northern Basin Snow Water Equivalent Comparison

Snow Water Equivalent



### February 27<sup>th</sup>, 2012 0.6" average

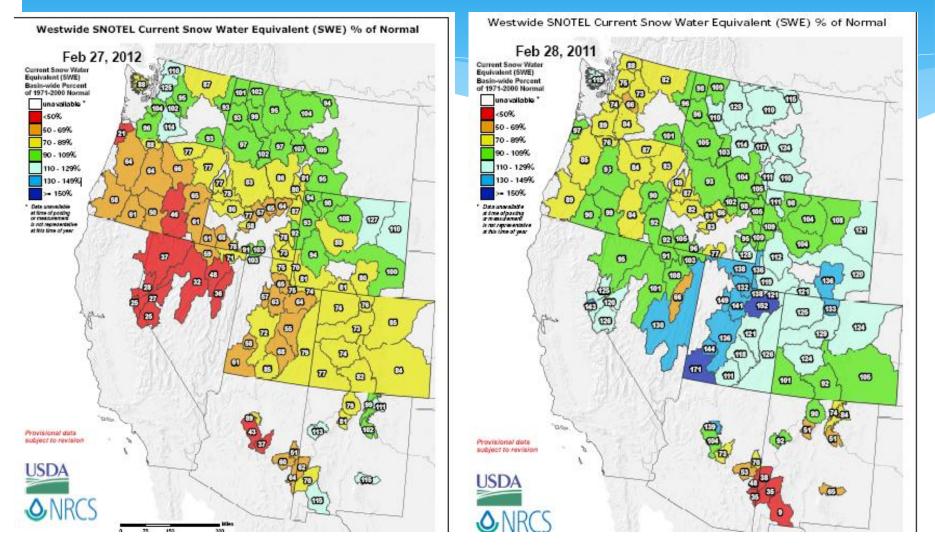




February 27<sup>th</sup>, 2011 2.9" average

http://www.nohrsc.noaa.gov/nsa/

## Mountain Snow Comparison 2012 (left) vs 2011 (right)



http://www.wcc.nrcs.usda.gov/cgibin/water/drought/wdr.pl



# USACE

Presentations By Jody Farhat, Chief, Missouri River Water Management, USACE Northwestern Division Erik Blechinger, Special Assistant, Missouri River Programs, USACE Northwestern Division Bret Budd, Chief, Omaha Restoration Team Video – Repairs of Levee's 550 & 575 Near Rock Port, MO and Hamburg, IA

## **Critical Levee Repairs - Breaches**



The video shown via this slide can be viewed on YouTube: http://www.youtube.com/watch?v=f417L-CDxMI

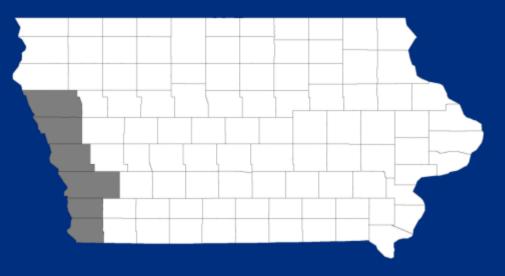


### **FEMA Region VII**

## **Missouri River Flood Task Force Meeting**

Regional Administrator Beth Freeman February 2012

## FEMA-1998-IOWA



### **ASSISTANCE**

- Individual Assistance Registrations: 1,289
- Public Assistance Estimated Damage: \$85.8 million
- Public Assistance Estimated Federal Share: \$63.5 million

### MAJOR INFRASTRUCTURE

• Seven major state and U.S. routes along the Missouri River were closed because of flooding



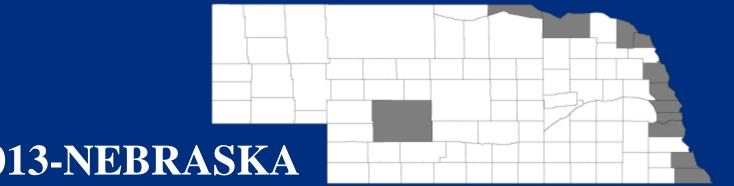
# FEMA-4012-MISSOURI



### **ASSISTANCE**

- Individual Assistance Registrations: 862
- Public Assistance Estimated Damage: \$37.8 million
- Public Assistance Estimated Federal Share: \$28.4 million





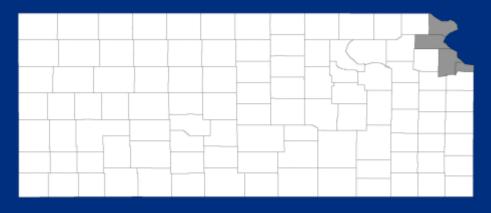
## **FEMA-4013-NEBRASKA**

### **ASSISTANCE**

- Individual Assistance Registrations: 1,094
- Public Assistance Estimated Damage: \$142.78 million



## FEMA-4035-KANSAS



#### <u>ASSISTANCE</u>

- Public Assistance Estimated Damage: \$9.8 million
- Public Assistance Estimated Damage Federal Share: \$6.9 million

#### MAJOR INFRASTRUCTURE

- Damage primarily to roads and bridges
- 19 percent of damage was to water-control facilities



# 2012 Flood Season Response Planning



Missouri River at Rulo, Nebraska

Lessons Learned The Benefits of Collaboration



### **U.S. Army Corps of Engineers**

#### Action

Sharing GIS Formatted Flood Maps

#### Benefit

 Advance evacuation and sheltering plans for high population areas

**Next Step** 

 Advance planning based on compromised levee systems



# Engaging State, Tribal and Local Partners

### **Region VII Flood Planning Team**

- Raising awareness for flood planning and preparation as a priority
- Timely use of 2011 flood information
- Proactive outreach and fostering relationships state, tribal and local partners



# The Benefits of Long-Term Mitigation

### FEMA Hazard Mitigation Grant Program (HMGP)

8,500 flood-prone properties within the four-state region have been purchased and are being maintained as open space



# Buyouts Along Missouri River Corridor

To date, <u>3,171 flood-prone properties</u> in 24 counties along the Missouri River corridor have been bought out to prevent future damage.

Federal share of these buyouts totals \$31.8 million, which represents 75% of the project cost.



# FEMA

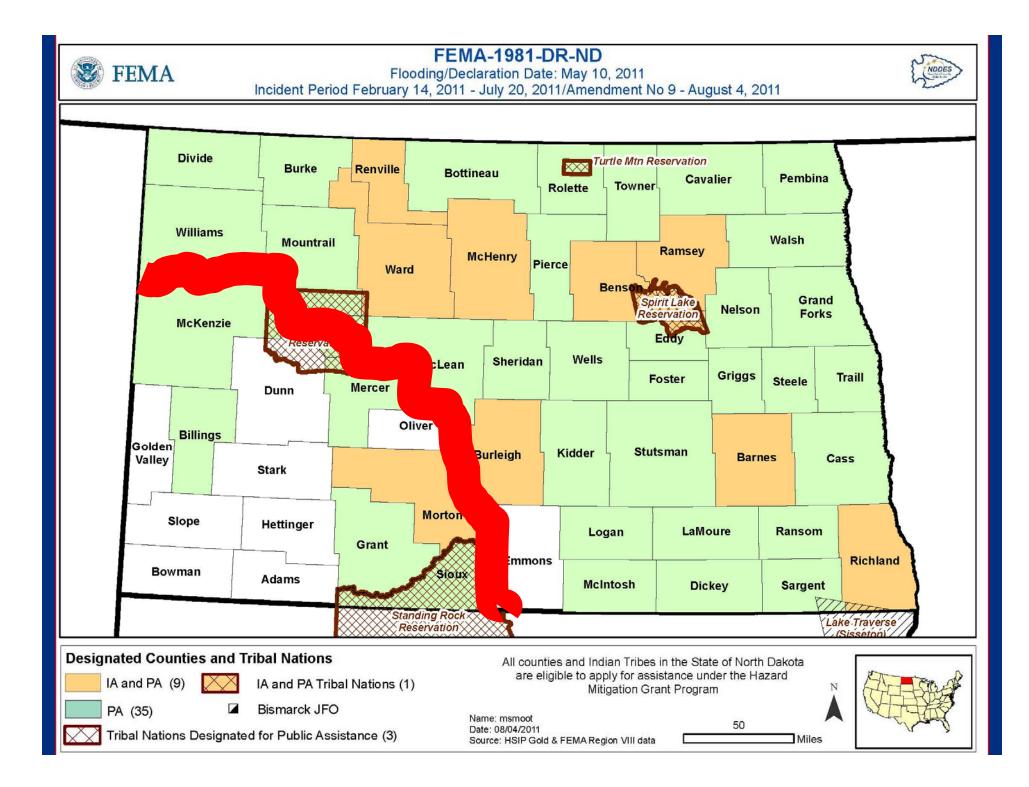
### FEMA Region VIII

# Missouri River Flooding: Presidential Disaster Declarations

### *presented to the* Missouri River Flood Task Force

Roger Jones, FEMA Region VIII, Recovery February 2012





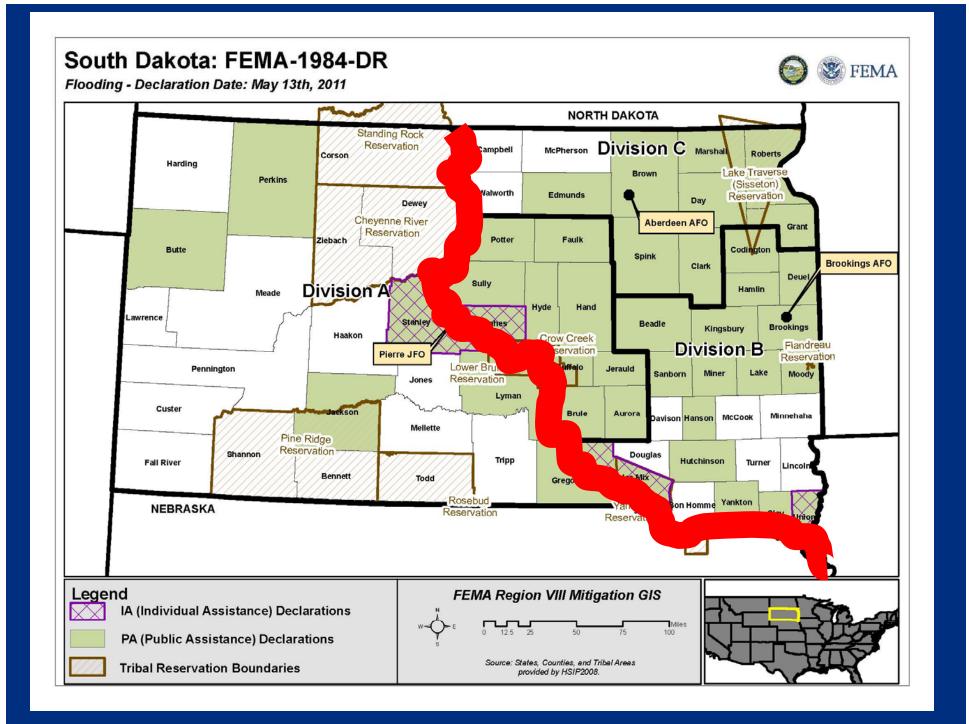
# **FEMA-1981-DR-NORTH DAKOTA**

- Individual Assistance Registrations (Morton & Burleigh):
  - 1,487 \$3,823,492.82 (as of 01/29/2011)
- Projected \$300,000,000 in FEMA Eligible Costs (Federal Share of \$270,000,000)
- Public Assistance Estimated Damage (Main stem counties only)
  - Federal Share obligated along the main stem Missouri -\$40,416,598.80
    - Debris

    - Roads & Bridges
    - Parks, Rec & Misc
    - Other

43 PW's - \$16,278,958.57 Emer Protective Meas. 123 PW's - \$14,989,610.26 299 PW's - \$8,722,815.83 23 PW's - \$394,612.10 6 PW's - \$30,602.04





# **FEMA-1984-DR-SOUTH DAKOTA**

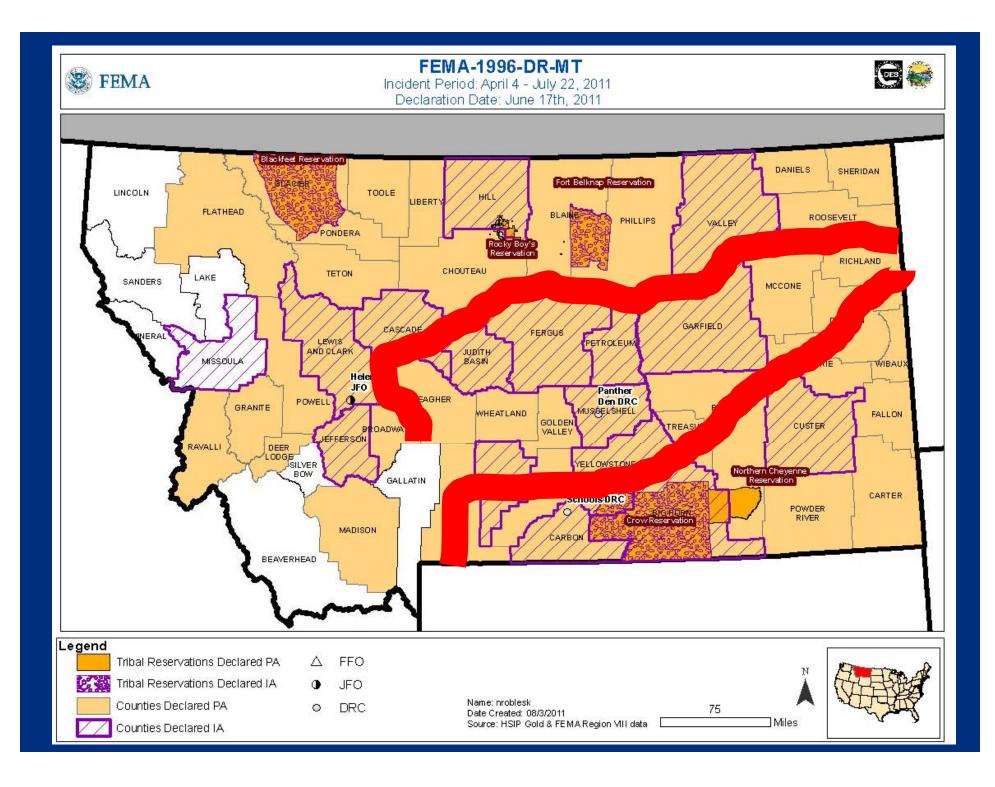
- Individual Assistance Registrations (Charles Mix, Hughes, Stanley, Union & Yankton):
  - 1,741 \$4,758,541.87 (as of 01/29/2011)
- Projected \$51,000,000 in FEMA Eligible Costs (Federal Share of \$38,250,000)
- Public Assistance Estimated Damage (Main stem counties only)
  - Federal Share obligated along the main stem Missouri igodol\$20,965,062.36
    - Debris 37 PW's - \$3,431,386.52

    - Roads & Bridges
    - Parks, Rec & Misc
    - Utilities
    - Other

• Emer Protective Meas. 185 PW's - \$14,608,788.64 155 PW's - \$2,508,111.30 5 PW's - \$64,254,.54 19 PW's - \$330,569.98

21 PW's - \$64,254,54





# FEMA-1996-DR-MONTANA

- Individual Assistance Registrations:
  - 3,441 (3,472,866.11) (as of 01/29/2011)
- Public Assistance Estimated Damage (Main stem counties only Missouri and Yellowstone)
- Projected \$61,000,000 in FEMA Eligible Costs (Federal Share of \$45,750,000)
  - Federal Share obligated along the main stem Missouri -\$12,565,375.62
    - 16 PW's \$91,680.11 • Debris
    - Emer Protective Meas. 59 PW's <u>\$596,367.03</u>
    - Roads & Bridges
    - Parks, Rec & Misc
    - Utilities
    - Other

- 663 PW's \$10,508,634.98
- 8 PW's \$50,382.91
- 13 PW's \$567,507.86
- 17 PW's \$750,802.73



Projects not yet obligated 227 - \$16,026,904

## **FEMA Region VIII MRB Declaration Summary**

• Individual Assistance Registrations along the main stem of the Missouri and Yellowstone Rivers: 6,669 - \$15,054,900.80 (as of 01/29/2012)

• Public Assistance Projected Estimated Damage along the Missouri and Yellowstone Mainstem:

- Currently Obligated Federal Share: \$73,947,036.78
- Remaining for Review Montana: \$16,026,904





# **Omaha Tribe**

Presentation By Calvin Harlen, Representative of Omaha Tribe of NE Amen Sheridan, Chairman



# **Flandreau Santee Sioux Tribe**

Presentation By Elizabeth (Liz) Wakeman, Representative



# Ponca Tribe

Presentation By Chairwoman Rebecca White

# MISSOURI RIVER FLOOD OF 2011

Impact on Nebraska Tribes



#### HOMELAND

The Ponca Tribe of Nebraska is one of four tribes considered indigenous to Nebraska with the other three-the Omaha, Santee Sioux, and Winnebagopossessing reservations.



#### TRIAL OF CHIEF STANDING BEAR

In 1879, the trial of Chief Standing Bear trial took place in NE and proved that Indians were "persons" under the law.



#### TERMINATION

Ironically, as late as 1966, the Ponca would, yet again, be considered "persona nongrata" when the United States government terminated the Tribe.



#### RESTORATION

The Ponca Tribe of Nebraska is the name used to describe the Northern Ponca Tribe after the Tribe was officially restored in 1990.



MISSOURI RIVER FLOOD The 2011 Missouri River Flood impacted all four Nebraska Tribes.



#### WINNEBAGO TRIBE'S WINNEVEGAS CASINO

The casino reopened their doors shortly after the flood using three duck boats that transported customers from land, over water, to its front doors.



OMAHA TRIBE CasinOmaha has not reopened and employed over 150 people, including many Tribal members. The Omaha Tribe had approximately 1,200 acres under water.

# ROADS LEADING TO THE SANTEE NATION AND PONCA TRIBE HEADQUARTERS





### I-29 BORDERS 3 NEBRASKA TRIBES





HOMES AND FARMS The Missouri River flood resulted in major damages and enormous hardships for the Tribes. We lost economic development, farms, and homes.

# NEW PATH

As the Missouri River creates a new path, so will the Ne Tribes. We are now working on are path to recovery.



# RFI for Supplemental Missouri River Study

https://www.fbo.gov/spg/dot/marad/hqoa/missouri2012/listing.html

# 2011 Missouri River Flood Crop Insurance Update

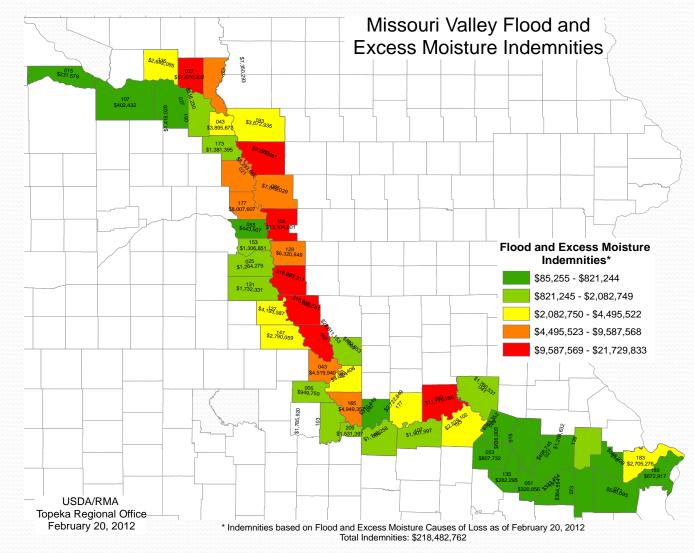
**Risk Management Agency** Topeka and St Paul Regional Offices February 28, 2011

Duane Voy Acting Director St. Paul Regional Office Rebecca Davis Director Topeka Regional Office



# **2011 Missouri River Flood Indemnities**

As of February 20, \$218+ million in claims paid due to Missouri river floods.



# **RMA** Activities

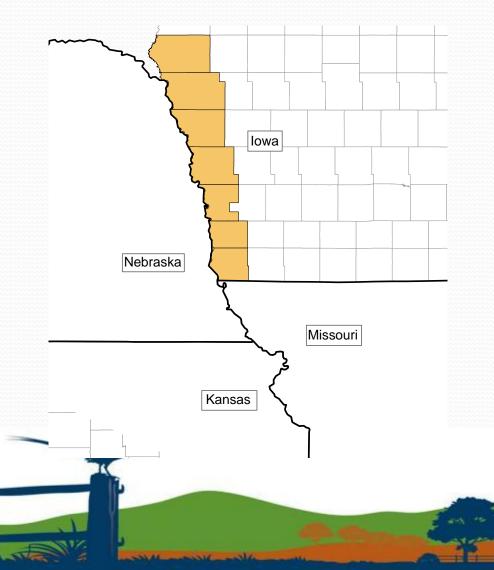
• Since June 2011, RMA has given 12 presentations to more than 1,000 producers, crop insurance officials, and other federal/state agency personnel on crop insurance and the Missouri River flood.

RIV

- Breached levee Statement on 15 counties in IA, KS, MO, NE. By the latter of the sales closing date (3/15) or earliest planting date:
  - If a breached levee has not been fixed then land affected by breach will have the highest rates in the county
  - If a breached levee has been fixed and damaged soil (if any) has been restored, then the land will be rated as identified on our 2012 Actuarial map.
- RMA will continue to maintain close contact with USACE, and other Federal, State officials with regard to levee repairs.
- RMA will notify producers and crop insurance officials on a periodic bases as to which levees have been fixed.



# 2011 Floods and the 2012 Crop Breached Levee Statement

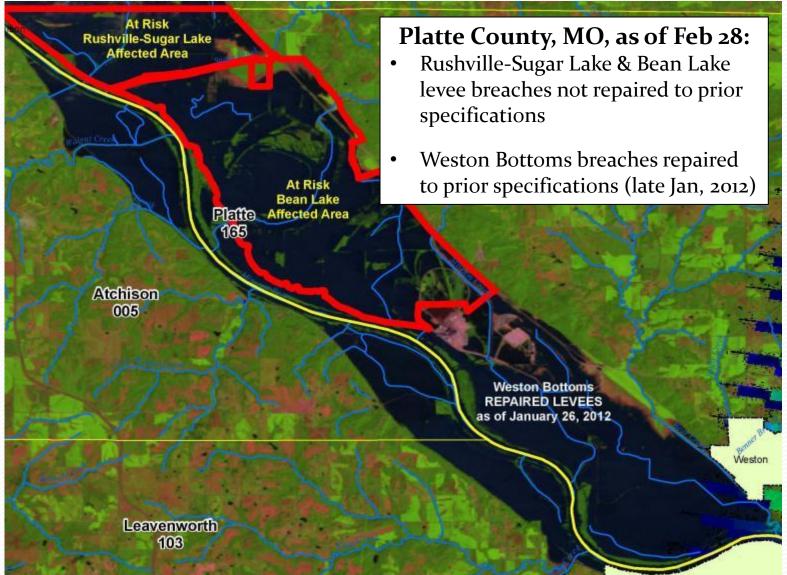


• A special provision of insurance in 15 counties in IA, KS, MO & NE

K

 Applies only to land flooded by a breach in 2011, and is still at risk of flooding if breach is not repaired

# 2011 Floods and the 2012 Crop Tracking Levee Repairs



# 2011 Floods and the 2012 Crop Tracking Repairs

• RMA will monitor levee repairs in conjunction with the USACE and Local Levee districts.

In March, we will issue a memo and other information on status of breached levee repairs on the Regional Office page:

http://www.rma.usda.gov/abo utrma/fields/rsos.html



Department of Agriculture

Risk Management Agency

Topeka Regional Of

> 2641 SW Wanamaker Rod Suite 201 Topeka, KS 66014-4071

Telephone: (785) 228-5512

Fax: (785) 228-1458

States ment of ture	December 19, 2011	
	INFORMATIONAL MEMORANDUM	
	TO	All Approved Insurance Providers Writing in the State of Missouri
4 Office	FROM:	Rebecca Davis /u/ Refessa Davis Director, Topeka RO
N aker Road,	SUBJECT:	Actuarial Rates Resulting from Unrepaired Levees in Butler and Mississippi counties in Missouri

5

#### BACKGROUND

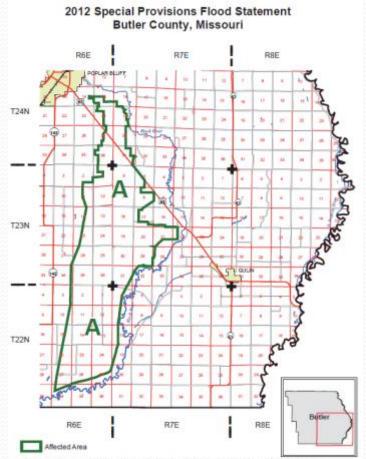
Due to the 2011 flood event, levees were breached along the Mississippi and Black Rivers in counties of Butler and Mississippi Missouri. These breached levees are currently under repair, which is being coordinated by the local levee districts and the United States Army Corps of Engineers. For the upcoming growing season, acreage that is protected by these levees will likely be more susceptible to future flooding events until the levee repairs are fully completed. For the 2012 crop year, the following Special Provisions of Insurance (SP) for Winter Wheat in these counties was filed with the Actuarial Documents:

Land flooded due to a breach in a levee resulting from prior year(s) flooding conditions is insurable. The applicable rate will be assigned based on conditions at the sales closing date. This land will be classified as the high risk

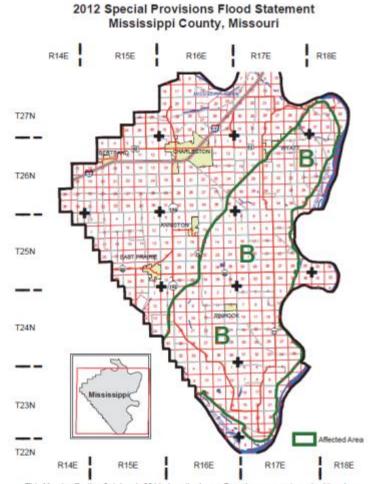
# 2011 Floods and the 2012 Crop

### **Tracking Repairs**

Maps viewable at this site: ftp://ftp.rma.usda.gov/pub/Miscellaneous\_Files/



This Map is effective October 1, 2011 since the Levee Breaches were not repaired to prior specifications prior to this date.



This Map is effective October 1, 2011 since the Levee Breaches were not repaired to prior specifications prior to this date.

# 2011 Floods and the 2012 Crop

# **Tracking Repairs**

As breaches are repaired, RMA will issue a memo and revised maps (if necessary) of affected land

- For IA counties and Nemaha NE, memo will state that all breaches to L575 and L550 have been repaired to prior specifications and the breached levee statement no longer applicable IF breaches are repaired as scheduled.
- For KS counties, premium rates are the same on both sides of the breached levee. Only a memo, and no maps, will be issued.
- For Atchison (MO), Holt (MO), Buchanan (MO), Platte (MO), and Carroll (MO), memos and maps will be updated as levees are repaired.





# **For More Information**

• RMA Website

http://www.rma.usda.gov

RMA Regional Office
 Topeka: 785-228-5512
 <u>rsoks@rma.usda.gov</u>
 St Paul: 651-290-3304
 <u>rsomn@rma.usda.gov</u>

 Missouri River Flood Task Force <u>http://www.nwd.usace.army.mil/MRFTF/</u>

