

City of Fargo, North Dakota

City of Moorhead, Minnesota

Melissa Montag
Representative for the Local Sponsors
Presentation at the U.S. Army Corps of Engineers
Civil Works Review Board
September 13, 2010





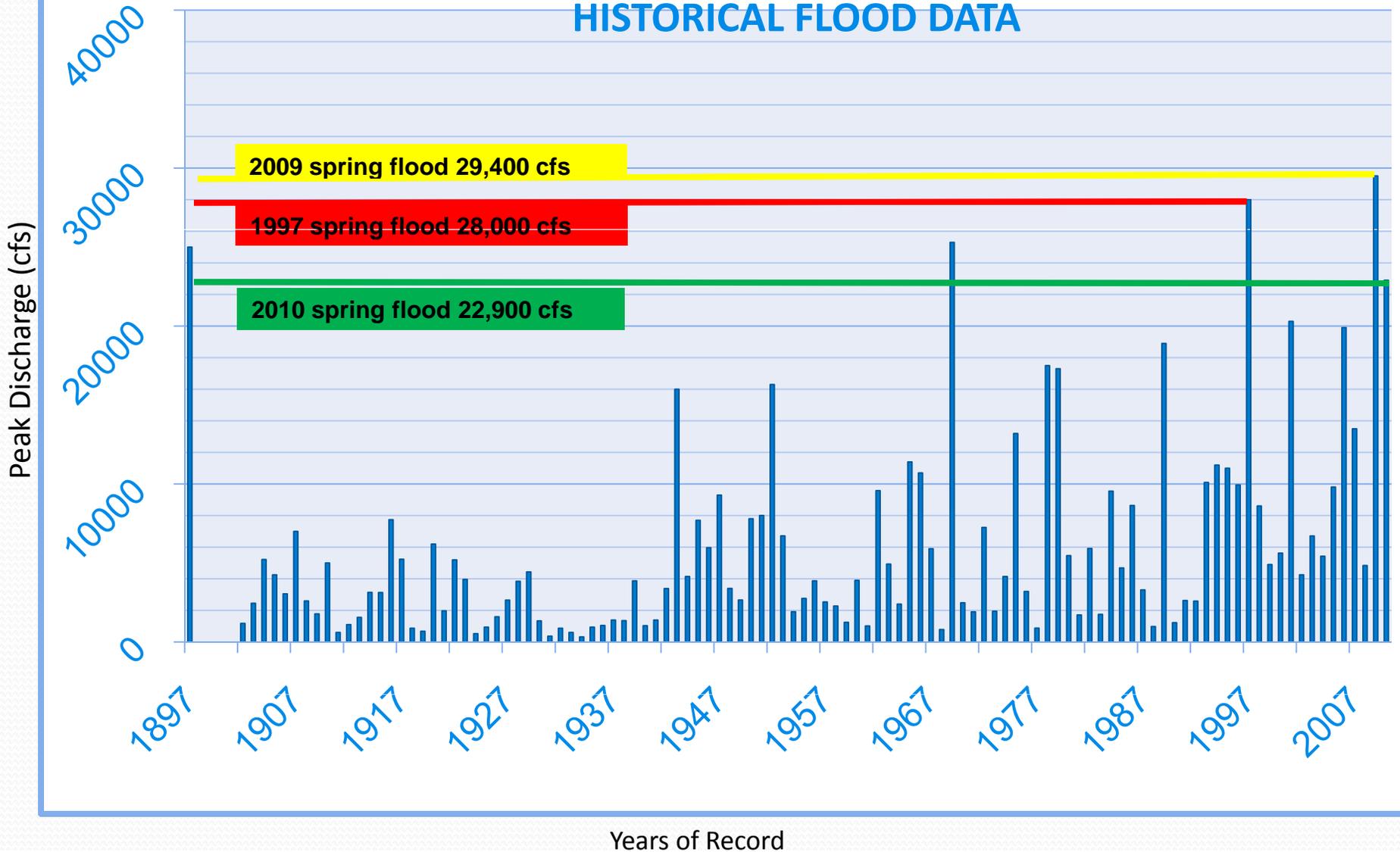
Flood Fighting in 2009

Historic Flooding



- The Red River of the North has exceeded the National Weather Service flood stage of 18 feet in 47 of the past 108 years, and every year from 1993 through 2010.

Red River at Fargo - USGS GAGING STATION HISTORICAL FLOOD DATA



Flooding in 2009 and 2010



2009

Red River crested at a record 40.82 feet on March 28, 2009

2010

Red River crested at 36.9 feet on March 21, 2010

Damages from Flooding

- Average annual flood damages in the Fargo-Moorhead metropolitan area are estimated to be over \$195.9 million



Local Flood Fighting Efforts





Flood Risk Reduction Measures

- Acquisition of floodplain homes.
- Building levees and floodwalls.
- Raising and stabilizing existing levees.
- Installing permanent pump stations.



Flood Risk Reduction Measures

- Improving storm sewer lift stations and the sanitary sewer system.
- Moorhead has purchased 65 low elevation properties.
- Fargo has purchased 125 low elevation homes.
- Fargo adopted a flood risk management incentive program in 2006 and amended it in 2009.

Local Flood Risk Education

THE CITY

Floodplain Information

The City of Moorhead's floodplain management program provides for responsible development in the floodplain as well as working towards reducing the risk of future losses in flood prone areas.

These activities include:

- administration of [Community Rating System \(CRS\)](#)
- administration of floodplain development permits
- providing new home construction elevation certificates
- providing floodplain map information
- maintaining historical flood data
- dissemination of public education

For current floodplain information on your home or business, please contact the City of Moorhead Engineering Department at (218) 299-5390.

Floodplain Resources

[Flood Insurance Rate Maps and Information](#)

[National Flood Insurance Program](#)

[-FAQ's](#)

[-Flood Facts](#)

[Current 100 Year Floodplain Map](#)

[Proposed 100 Year Floodplain Map](#)

[Proposed 500 Year Floodplain Map](#)

[Your Family Disaster Plan](#)

[Repairing Your Flooded Home](#)

MOORHEAD
MINNESOTA
2010 FLOOD

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HOME ANNOUNCEMENTS SLIDESHOW GET INVOLVED CITY SERVICES FAQS

FLOOD CALL CENTER
218.299.5300

SUBSCRIBE TO ALERTS

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FirstLink
Hope Begins Here
PEOPLE + RESOURCES

Fargo - Moorhead Flood Volunteer Network [Join](#)

Wall Info Photos

Information

Category: Organizations - Volunteer Organizations

Description: We need volunteers to help with the Red River Valley flood fight efforts. By joining this group you will receive instant updates as to when and where we need assistance.

This group is a means for FirstLink to quickly communicate with you as to when and where volunteers are needed throughout the flood.

This group and its volunteers are managed by FirstLink.

Privacy Type: Open: All content is public.

Admins

- Sara Lepp
- Kevin Tobosa (creator)

Officers

Sara Lepp
Volunteer Center Director

Events

2 past events

Community Volunteer Appreci...
Red River Zoo
Thursday, April 23 at 3:00pm

Call for Volunteers
West Acres Food Court
Friday, April 3 at 11:30am

Links

3 of 8 links [See All](#)

2009 FARGO FLOOD Part One
9:35am Apr 1

United Way of Cass Clay - Human Services—Live United—United

Sara Lepp Volunteers are still needed today on St. Patrick's Day!! If you would like to help build the dikes along the river, please report to Assembly of God Church, or the Urban Plains Center to be bussed to diking sites in Fargo or Cass County, or report to Nemzek Hall to be bussed to diking sites in Moorhead. If you would li...
See More
March 17 at 7:59am · Flag

Jenn Bahr If someone wanted to come in from an out of state location (Syracuse, NY) to help...where would you recommend staying for a night or two? Something cheap, as it's not cheap to get out there...but as a humanitarian, I can't sit back and do nothing.
March 17 at 11:26pm · Report

Bao Lilly Vue I hear there might be another crest. Any help or preparations needed for that?
March 28 at 6:36pm · Report

Sara Lepp Volunteers - we appreciate all that you are doing! Here are the volunteer opportunities for Moorhead/Clay County for today, Tuesday, March 16th: Moorhead and Clay County are in need of volunteers to build dikes from 8 am-12 am; volunteers are asked to report to Nemzek Hall on MSUM's Campus, 649 17th St in Moorhead. For...
See More
March 16 at 8:19am · Flag

Tona Gergen likes this.

Tona Gergen sweet!
March 16 at 10:00am · Report

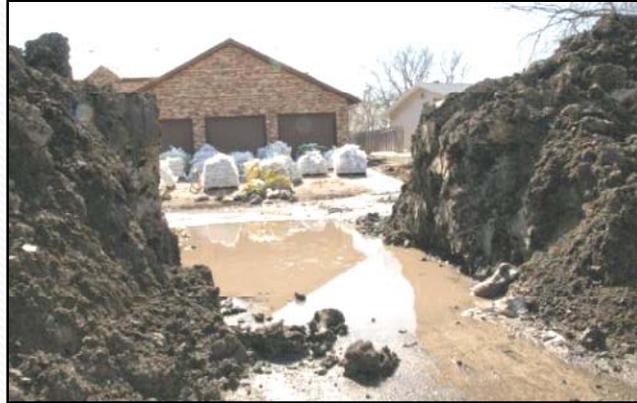
Kevin Tobosa Fargo is looking for Sandbaggers until 10 pm tonight; volunteers should park at the Coliseum, 807 17th Avenue North in Fargo, and will be bussed to Sandbag Central to fill sandbags.
Moorhead is in need of volunteers to build dikes until Midnight tonight; volunteers are asked to report to Nemzek Hall on MSUM's Campus, 64...
See More
March 15 at 5:40pm · Flag

Tona Gergen In what intervals do the buses run? Not sure how long i can stay.
March 15 at 8:05pm · Report

Sara Lepp Every half an hour on the hour. Thanks!
March 16 at 8:13am · Report

Tona Gergen great!!!! thanks
March 16 at 10:00am · Report

Not a Permanent Solution





Fargo and Moorhead Involvement in Corps Planning Process

- September 22, 2008 – Entered into a Feasibility Cost Share Agreement.
- March 29, 2010 – Requested the Corps pursue the ND35k as the LPP.
- April 28, 2010 – Requested in writing that the LPP be pursued, and approval was obtained from the ASA(CW) to tentatively recommend the LPP.
- May 26, 2010 – Adopted a resolution reaffirming this position.
- July 15, 2010 – Provided a letter of intent and financial self certification.



Locally Preferred Plan

- Is a more robust solution than smaller plans considering the potential for future flood flows and frequencies to be larger than reflected in the historic record.
- Significantly reduces the expected loss of life from flooding and provides the communities with the ability to react in times of emergencies.



Locally Preferred Plan

- Provides benefits to a larger area and protects a larger number of people than the NED plan.
- Significantly reduces the risk of catastrophic damage for very large events.
- Provides additional benefits from multiple river systems including the Red, Wild Rice, Sheyenne, Maple, Lower Rush, and Rush Rivers.



Playing Our Part

- North Dakota has committed \$200 million.
- Minnesota has committed \$100 million.
- The City of Fargo will contribute \$200 million from a local sales tax.
- Property owners who benefit directly will be assessed.
- The cities of Fargo and Moorhead will be responsible to operate and maintain the completed project.



Cities of Fargo and Moorhead Recommendation

- Fargo and Moorhead will be responsible for all operations, maintenance, repair, rehabilitation and replacement of project features.
- Fargo and Moorhead have implemented a floodplain management plan.
- Fargo and Moorhead will be responsible for the costs of the lands, easements, relocations, rights-of-way, and disposal areas, anticipated to cost \$164,023,000.

The cities of Fargo and Moorhead support Civil Works Review Board approval of the Fargo-Moorhead Metropolitan Area Flood Risk Management Feasibility Report and Environmental Impact Statement