

# 2011 Spring Flooding

Director Jim Lynch

Montana Department  
of Transportation

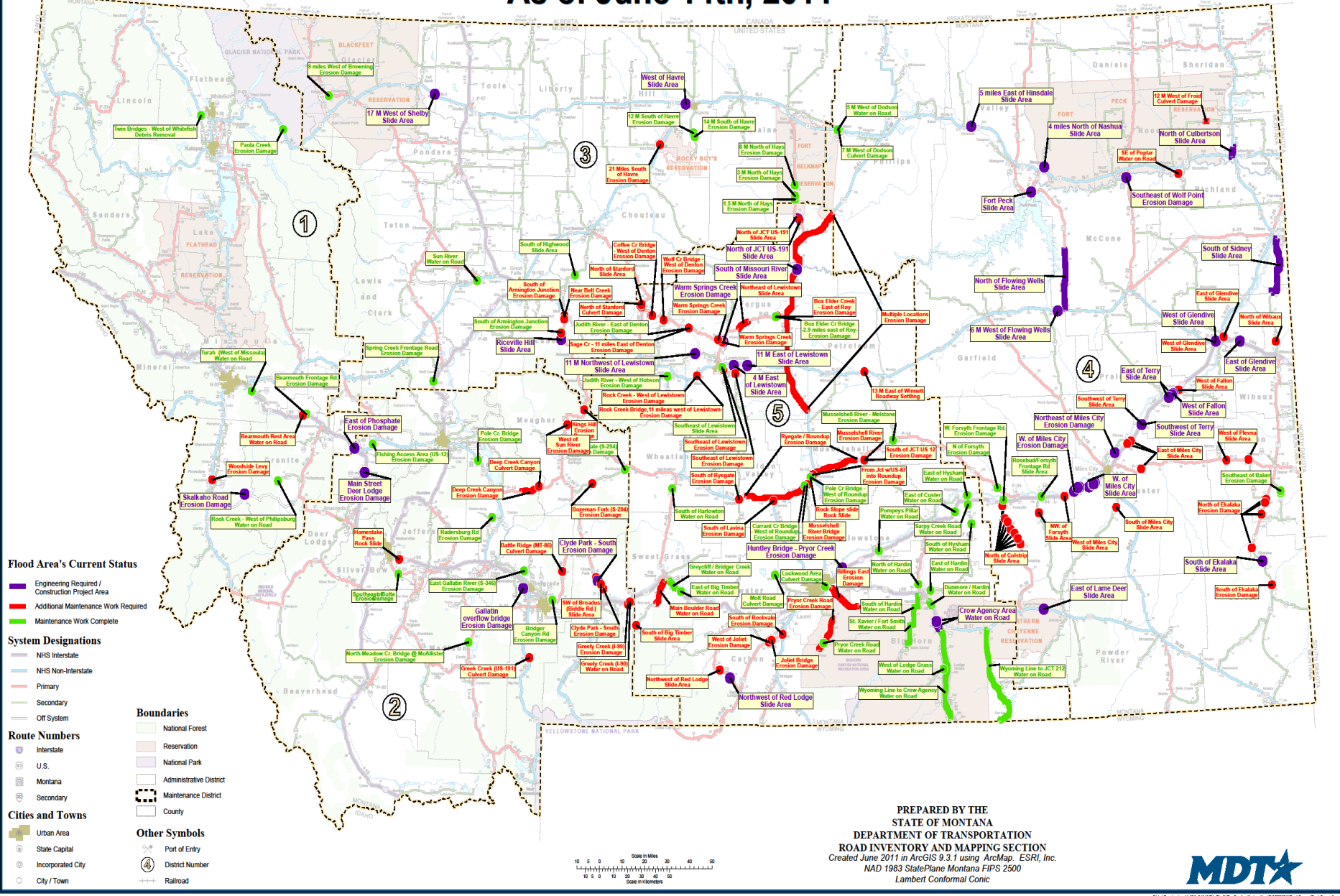
June 15<sup>th</sup> 2011



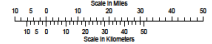
06/11/2011

# MDT Emergency Repair Project Areas - 2011 Spring Floods

## As of June 14th, 2011



PREPARED BY THE  
STATE OF MONTANA  
DEPARTMENT OF TRANSPORTATION  
ROAD INVENTORY AND MAPPING SECTION  
Created June 2011 in ArcGIS 9.3.1 using ArcMap. ESRI, Inc.  
NAD 1983 StatePlane Montana FIPS 2500  
Lambert Conformal Conic



# South of Bozeman Gallatin Canyon



# Secondary 424, Stillwater River Bridge North of Kalispell



# Woodside Levy Repair South of Missoula



# MT- 38, Skalkaho Road East of Hamilton

*Seasonal road connecting Hamilton and Philipsburg, typically opened by mid-spring*

*Blasting required to re-align road*



# Secondary 348, Rock Creek West of Philipsburg

Placement of barrier rail and plastic to direct Rock Creek



# Main Street – Deer Lodge Cottonwood Creek





# US-12, Deep Creek Canyon North of Townsend

Heavy runoff forces emergency culvert replacement

Schellinger Construction hired on exigency, cost estimate \$23,000



# US-89, Shields River North of Livingston

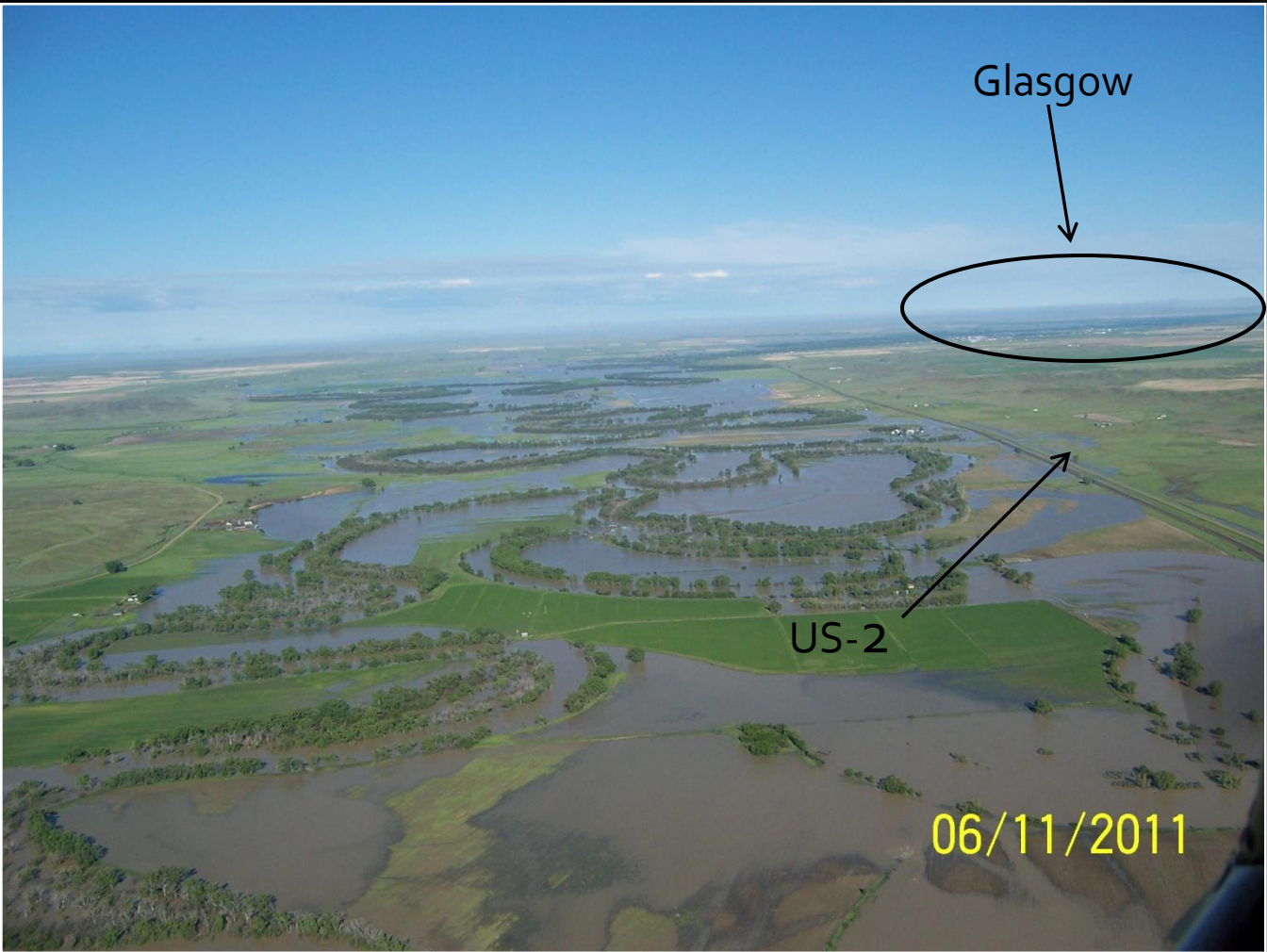
Bank repair to limit road washout



# US-2, West of Wolf Point



# Milk River



# Secondary 306 North of Columbus

Many areas are inundated with debris that continue to plug drainage features



# I-90 Frontage Road, Crow Agency



# I-go West of Big Timber



# Huntley- Pryor Creek Bridge

Severe scour under back wall

Current weight and speed restriction

Expended \$35,000 to date

Future reconstruction required, estimated cost \$2,000,000





# US-191, North of Lewistown

Bridge washout forces road closure

Paving emergency detour \$125,000



# Secondary 426 North of Lewistown



# Hwy 200/87 East of Lewistown

Soil Nail project for bank stabilization is planned to start June 13<sup>th</sup> at an estimated cost of \$200,000



# Montana 200

## 10 miles East of Lewistown

Estimated repair cost \$200,000

Wickens Construction worked around the clock to get the road open



# Roundup, MT

Extensive flooding requires long term road closures. Infrastructure damage assessment will require the water to recede.



# Roundup, MT



# Roundup, MT



# Rockvale Bridge Repair - Joliet, MT

Rip-rap bank to prevent back wall washout





# Joliet, MT - Extensive Flooding

## Stream bank armoring



# Questions?