

Grand Rapids, MI

REPORT FOR (MONTH & YEAR):
April 2011

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

DATE:
July 6, 2011

TO: NATIONAL WEATHER SERVICE (W/OS31)
HYDROMETEOROLOGICAL INFO CENTER
1325 EAST-WEST HIGHWAY, RM 13468
SILVER SPRING, MD 20910

SIGNATURE:
Daniel K. Cobb, MIC
Mark L. Walton, Service Hydrologist

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (WSOM E-41).



An X inside this box indicates that no significant flooding occurred within this Hydrologic Service Area.

Summary

Significant river flooding occurred during the month of April 2011 in our Hydrologic Service Area (HSA). A total of nine forecast points on six rivers exceeded flood stage. For the river forecast point on the Muskegon River near Croton it was the second highest crest on record. The most significant river flooding occurred along the Muskegon River, where over a two hundred structures were flooded. Both Newaygo and Osceola counties declared a "Local State of Emergency" due to the flooding of roads and structures. Along the Muskegon River, Newaygo County reported 70 structures impacted by flooding, and Osceola County reported 140 structures impacted by flooding. At the time of this report the total damage estimate for the over 200 structures flooded along the Muskegon River was estimated to be in excess of \$ 3 million and public infrastructure damage was estimated to be in excess of \$ 550,000. Earlier in the month widespread areal flooding occurred in Mecosta County and resulted in significant damage to secondary roads. Officials from the Mecosta County Road Commission estimated the cost of road repairs to be near \$ 700,000.

Flood Conditions

Monday, April 4th

At 11:41 AM EDT an areal flood advisory was issued for Mecosta County until 5:30 PM EDT Monday. Local officials reported minor flooding of several roads at the time.

At 5:14 PM EDT the areal flood advisory for Mecosta County was upgraded to a flood warning until 5:00 PM EDT Tuesday. Mecosta emergency management reported significant flooding across the warned area. Several roads were washed out and M-20, north of 9 Mile Road, was closed due to 6 inches of moving water over the road.

At 5:44 PM EDT a river flood warning was issued for the Chippewa River near Mt. Pleasant, Michigan. The initial flood forecast called for the river to rise above its flood stage of 8.0 feet by Tuesday afternoon and crest near 8.5 feet Wednesday morning.

At 10:04 PM EDT a flood statement for the areal flood warning for Mecosta County was issued and indicated that flooding of roads was still occurring.

At 10:10 PM EDT a flood statement was issued for the river flood warning for the Chippewa River near Mt. Pleasant. The updated flood forecast called for the river to rise above its flood stage of 8.0 feet by Tuesday morning and crest near 8.7 feet Wednesday morning.

Tuesday, April 5th

At 4:16 AM EDT a flood statement was issued for the river flood warning for the Chippewa River near Mt. Pleasant. The updated flood forecast called for the river to crest near 8.7 feet Tuesday evening.

At 6:01 AM EDT a flood statement was issued for the river flood warning for the Chippewa River near Mt. Pleasant. The updated flood forecast called for the river to crest near 9.0 feet Tuesday evening.

At 11:22 AM EDT a flood statement was issued for the river flood warning for the Chippewa River near Mt. Pleasant. The river crested near 8.52 feet Tuesday morning and the updated flood forecast called for the river to continue to fall, and fall below flood stage early Wednesday morning.

At 2:10 PM EDT the areal flood warning for Mecosta County was cancelled. The flooding had receded and the roads were no longer flooded.

At 8:49 PM EDT the river flood warning for the Chippewa River near Mt. Pleasant was cancelled and downgraded to a river flood advisory, with the river forecast to continue to fall.

Tuesday, April 26th

At 3:21 PM EDT a flood watch was issued for all counties in our HSA, effective Wednesday morning through Thursday evening. The watch highlighted that additional rainfall over saturated ground and high rivers could lead to widespread flooding.

At 9:53 PM EDT the flood watch was updated and continued for our HSA.

Wednesday, April 27th

At 4:16 AM EDT the flood watch was updated and continued for our HSA.

At 8:43 AM EDT a river flood warning was issued for the Chippewa River near Mt. Pleasant, Michigan. The initial flood forecast called for the river to rise above its flood stage of 8.0 feet by midnight Wednesday and crest near 8.5 feet Thursday afternoon.

At 9:38 AM EDT a river flood warning was issued for the Muskegon River near Croton, Michigan. The initial flood forecast called for the river to rise above its flood stage of 9.0 feet by Wednesday morning and crest near 9.7 feet by Thursday afternoon.

At 10:00 AM EDT a river flood warning was issued for the Portage River near Vicksburg, Michigan. The initial flood forecast called for the river to rise above its flood stage of 5.0 feet by Thursday morning and crest near 5.1 feet Thursday afternoon.

At 11:37 AM EDT a river flood warning was issued for the Grand River near Comstock Park, Michigan. The initial flood forecast called for the river to rise above its flood stage of 12.0 feet by Thursday morning and crest near 12.6 feet Sunday afternoon.

At 12:00 PM EDT a flood statement was issued for the following rivers:

- Muskegon River near Croton, Michigan, the updated flood forecast called for the river to crest near 10.0 feet Wednesday evening.
- Grand River near Comstock Park, Michigan, the updated flood forecast called for the river to rise above its flood stage of 12.0 feet by Thursday morning and crest near 12.6 feet by Sunday morning.
- Portage River near Vicksburg, Michigan, the updated flood forecast called for the river to rise above its flood stage of 5.0 feet by Thursday morning and crest near 5.1 feet Thursday afternoon.
- Chippewa River near Mt. Pleasant, Michigan, the updated flood forecast called for the river to rise above its flood stage of 8.0 feet by Thursday morning and crest near 8.5 feet Thursday afternoon.

At 3:59 PM EDT a flood statement was issued for the following rivers:

- Muskegon River near Croton, Michigan, the updated flood forecast called for the river to crest near 10.0 feet Thursday morning.
- Grand River near Comstock Park, Michigan, the updated flood forecast called for the river to rise above its flood stage of 12.0 feet by Wednesday evening and crest near 12.8 feet by Saturday evening.
- Portage River near Vicksburg, Michigan, the updated flood forecast called for the river to rise above its flood stage of 5.0 feet by Thursday morning and crest near 5.1 feet Thursday afternoon.
- Chippewa River near Mt. Pleasant, Michigan, the updated flood forecast called for the river to rise above its flood stage of 8.0 feet by Thursday morning and crest near 8.5 feet Thursday afternoon.

At 4:09 PM EDT the flood watch was updated and continued for our HSA.

At 9:30 PM EDT a river flood warning was issued for the Muskegon River near Evart, Michigan. The initial flood forecast called for the river to crest near its flood stage of 12.0 feet by Friday afternoon.

At 9:34 PM EDT a flood statement was issued for the following rivers:

- Muskegon River near Croton, Michigan, the updated flood forecast called for the river to crest near 10.0 feet Thursday morning.
- Grand River near Comstock Park, Michigan, the updated flood forecast called for the river to rise above its flood stage of 12.0 feet by Wednesday evening and crest near 12.2 feet by Thursday evening.
- Chippewa River near Mt. Pleasant, Michigan, the updated flood forecast called for the river to rise above its flood stage of 8.0 feet by Thursday morning and crest near 8.4 feet Thursday afternoon.

At 9:43 PM EDT the river flood warning for the Portage River near Vicksburg, Michigan, was cancelled and downgraded to a river flood advisory. Updated river forecast called for the river to crest below flood stage at 4.9 feet.

At 11:01 PM EDT the flood watch was updated and continued for our HSA.

Thursday, April 28th

At 4:22 AM EDT the flood watch was updated and continued for our HSA.

At 10:28 AM EDT river flood warnings were issued for the Portage River near Vicksburg, Michigan, and the Pine River at Alma, Michigan. The initial flood forecast for the Portage River near Vicksburg called for the river to rise above its flood stage of 5.0 feet by Thursday morning and crest near 5.1 feet Thursday afternoon. The initial flood forecast for the Pine River at Alma called for the river to rise above its flood stage of 8.0 feet by Thursday afternoon and crest near 8.1 feet Thursday evening.

At 10:53 AM EDT the flood watch was cancelled for all counties in our HSA.

At 11:06 AM EDT river flood warnings were issued for the Grand River near Robinson Township, Michigan, and the Maple River near Maple Rapids, Michigan. The initial flood forecast for the Grand River near Robinson Township called for the river to rise above its flood stage of 13.3 feet by Friday morning and crest near 13.9 feet by Sunday afternoon. The initial flood forecast for the Maple River near Maple Rapids called for the river to rise above its flood stage of 9.0 feet by Thursday afternoon and crest near 9.4 feet Friday evening.

At 11:23 AM EDT a flood statement was issued for the following rivers:

- Grand River near Comstock Park, Michigan, the updated flood forecast called for the river to crest near 13.3 feet early Sunday morning.
- Grand River near Robinson Township, the updated flood forecast called for river to rise above its flood stage of 13.3 feet by Friday morning and crest near 13.9 feet Sunday afternoon.
- Maple River near Maple Rapids, Michigan, the updated flood forecast called for the river to rise above its flood stage of 9.0 feet by Thursday afternoon and crest near 9.4 feet Friday evening.
- Portage River near Vicksburg, Michigan, the updated flood forecast called for the river to crest near 5.1 feet Thursday afternoon.
- Muskegon River at Evart, Michigan, the updated flood forecast called for the river to rise above its flood stage of 12.0 feet by Thursday afternoon and crest near 12.4 feet Friday evening.
- Muskegon River near Croton, Michigan, the updated flood forecast called for the river to crest near 10.2 feet Saturday morning.
- Chippewa River near Mt. Pleasant, Michigan, the updated flood forecast called for the river to crest near 8.9 feet Thursday afternoon.
- Pine River at Alma, Michigan, the updated flood forecast called for the river to rise above its flood stage of 8.0 feet by Thursday afternoon, and crest near 8.1 feet Thursday evening.

At 12:36 PM EDT a flood statement was issued for the Pine River at Alma, Michigan, with an updated flood forecast calling for the river to crest near 9.0 feet Thursday evening.

At 2:02 PM EDT a flood statement was issued for the Muskegon River near Croton, Michigan, with an updated flood forecast calling for the river to crest near 10.8 feet Friday morning.

At 11:10 PM EDT a flood statement was issued for the following rivers:

- Grand River near Comstock Park, Michigan, the updated flood forecast called for the river to crest near 13.4 feet early Sunday morning.
- Grand River near Robinson Township, the updated flood forecast called for river to rise above its flood stage of 13.3 feet by Friday morning and crest near 14.0 feet Sunday evening.
- Maple River near Maple Rapids, Michigan, the updated flood forecast called for the river to crest near 9.5 feet early Saturday morning.
- Portage River near Vicksburg, Michigan, the updated flood forecast called for the river to crest near 5.1 feet Thursday evening.
- Muskegon River at Evart, Michigan, the updated flood forecast called for the river to crest near 12.4 feet Friday afternoon.
- Muskegon River near Croton, Michigan, the updated flood forecast called for the river to crest near 10.7 feet Friday afternoon.
- Chippewa River near Mt. Pleasant, Michigan, the river was near its crest of 9.0 feet and the updated flood forecast called for the river to hold steady overnight and then slowly begin to fall.
- Pine River at Alma, Michigan, the updated flood forecast called for the river to crest near 8.4 feet Friday morning.

Friday, April 29th

At 12:12 PM EDT a flood statement was issued for the following rivers:

- Pine River at Alma, Michigan, the flood warning was cancelled. The river crested near 8.4 feet Thursday afternoon and fell below flood stage Friday morning.
- Grand River near Comstock Park, Michigan, the updated flood forecast called for the river to crest near 13.6 feet Sunday morning.
- Grand River near Robinson Township, the updated flood forecast called for river to crest near 14.0 feet Saturday evening.
- Maple River near Maple Rapids, Michigan, the updated flood forecast called for the river to crest near 9.5 feet early Saturday morning.
- Portage River near Vicksburg, Michigan, the updated flood forecast called for the river to crest near 5.2 feet Friday afternoon.
- Muskegon River at Evart, Michigan, the updated flood forecast called for the river to crest near 12.7 feet Friday evening.
- Muskegon River near Croton, Michigan, the updated flood forecast called for the river to crest near 10.6 feet Friday afternoon.
- Chippewa River near Mt. Pleasant, Michigan, the river crested near 9.0 feet early Friday morning and the updated flood forecast called for the river to continue to fall.

At 3:46 PM EDT a flood statement was issued for the following rivers:

- Muskegon River at Evart, Michigan, the updated flood forecast called for the river to crest near 12.9 feet early Saturday morning.
- Muskegon River near Croton, Michigan, the updated flood forecast called for the river to hold steady near 10.0 feet overnight.

At 6:07 PM EDT a flood statement was issued for the Muskegon River near Croton, Michigan. The updated forecast called for the river to continue and hold steady near 10.0 feet overnight.

At 11:11 PM EDT a flood statement was issued for the following rivers:

- Grand River near Comstock Park, Michigan, the updated flood forecast called for the river to crest near 13.5 feet Sunday morning.
- Grand River near Robinson Township, the updated flood forecast called for river to crest near 14.1 feet Sunday evening.
- Maple River near Maple Rapids, Michigan, the updated flood forecast called for the river to crest near 9.5 feet early Saturday morning.
- Portage River near Vicksburg, Michigan, the updated flood forecast called for the river to crest near 5.2 feet Saturday morning.
- Muskegon River at Evart, Michigan, the updated flood forecast called for the river to crest near 12.9 feet early Saturday morning.
- Chippewa River near Mt. Pleasant, Michigan, the updated flood forecast called for the river to continue to fall, and fall below flood stage Saturday.

Saturday, April 30th

At 10:55 AM EDT a flood statement was issued for the following rivers:

- Grand River near Comstock Park, Michigan, the updated flood forecast called for the river to crest near 13.5 feet Sunday morning.
- Grand River near Robinson Township, the updated flood forecast called for river to crest near 13.9 feet early Monday morning.
- Maple River near Maple Rapids, Michigan, the river crested near 9.4 feet on Friday and the updated flood forecast called for the river to hold steady near 9.4 feet and then begin a slow fall.
- Portage River near Vicksburg, Michigan, the river crested near 5.2 feet on Friday and the updated flood forecast called for the river to begin a slow fall.
- Muskegon River at Evart, Michigan, the river crested near 13 feet on Saturday, and the updated flood forecast called for the river to fall slowly.
- Muskegon River near Croton, Michigan, the river crested near 10.6 feet on Friday, and the updated flood forecast called for the river to slowly fall.
- Chippewa River near Mt. Pleasant, Michigan, the updated flood forecast called for the river to continue to fall, and fall below flood stage Sunday.

At 8:50 PM EDT the flood warning for the Chippewa River near Mt. Pleasant was canceled when the river fell below flood stage and was forecast to continue to fall.

At 8:52 PM EDT a flood statement was issued for the following rivers:

- Grand River near Comstock Park, Michigan, the updated flood forecast called for the river to crest near 13.5 feet Sunday evening.
- Grand River near Robinson Township, the updated flood forecast called for river to crest near 13.9 feet early Monday morning.
- Maple River near Maple Rapids, Michigan, the river crested near 9.4 feet on Friday and the updated flood forecast called for the river to continue a slow fall.
- Portage River near Vicksburg, Michigan, the river crested near 5.2 feet on Friday and the updated flood forecast called for the river to continue its slow fall.
- Muskegon River at Evart, Michigan, the river crested near 13 feet on Saturday, and the updated flood forecast called for the river to continue its slow fall.
- Muskegon River near Croton, Michigan, the river crested near 10.6 feet on Friday, and the updated flood forecast called for the river to continue its slow fall.

Sunday, May 1st

The following rivers were still above flood stage at the end of April:

- Grand River near Comstock Park, Michigan
- Grand River near Robinson Township, Michigan
- Maple River near Maple Rapids, Michigan,
- Portage River near Vicksburg, Michigan
- Muskegon River at Evart, Michigan
- Muskegon River near Croton, Michigan

The following rivers exceeded bankfull during the month of April:

- Pere Marquette River near Scottville, Michigan (4 days above bankfull)
- Whiter River near Whitehall, Michigan (3 days above bankfull)
- Chippewa River near Mt. Pleasant, Michigan (5 days above bankfull)
- Pine River at Alma, Michigan (3 days above bankfull)
- Muskegon River near Evart, Michigan (5 days above bankfull)
- Muskegon River near Croton, Michigan (4 days above bankfull)
- Red Cedar River near Williamston, Michigan (1 day above bankfull)
- Sycamore Creek near Holt, Michigan (12 days above bankfull)
- Red Cedar River near East Lansing, Michigan (3 days above bankfull)
- Looking Glass River near Eagle, Michigan (5 days above bankfull)
- Flat River near Smyrna, Michigan (3 days above bankfull)
- Maple River near Maple Rapids, Michigan (20 days above bankfull)
- Rogue River near Rockford, Michigan (3 days above bankfull)
- Thornapple River near Hastings, Michigan (9 days above bankfull)
- Thornapple River near Caledonia, Michigan (3 days above bankfull)
- Grand River at Jackson, Michigan (2 days above bankfull)
- Grand River at Eaton Rapids, Michigan (1 day above bankfull)
- Grand River at Ionia, Michigan (11 days above bankfull)
- Grand River near Lowell, Michigan (7 days above bankfull)
- Grand River near Ada, Michigan (1 day above bankfull)
- Grand River at Comstock Park, Michigan (5 days above bankfull)
- Grand River at Grand Rapids, Michigan (5 days above bankfull)
- Grand River near Robinson Township, Michigan (3 days above bankfull)
- Portage River near Vicksburg, Michigan (8 days above bankfull)
- St. Joseph River near Burlington, Michigan (11 days above bankfull)
- Kalamazoo River near New Richmond, Michigan (4 days above bankfull)

Flood Stage Report

Six rivers in Southwest Lower Michigan exceeded minor flood stage during the month of April.

The Chippewa River near Mt. Pleasant, Michigan, with a flood stage of 8.0 feet, rose above flood stage at 12:30 AM EDT on April 5th, crested at 8.52 feet at 7:30 AM EDT on April 5th, and fell back below flood stage at 7:15 PM on April 5th.

The Chippewa River near Mt. Pleasant, Michigan, with a flood stage of 8.0 feet, rose above flood stage at 4:30 AM EDT on April 28th, crested at 8.99 feet at 1:00 AM EDT on April 29th, and fell back below flood stage at 5:00 PM on April 30th.

The Muskegon River near Croton, Michigan, with a flood stage of 9.0 feet, rose above flood stage at 7:45 AM EDT on April 27th, crested at 10.64 feet at 9:15 AM EDT on April 29th, and fell back below flood stage at 5:45 AM EDT on May 3rd.

The Portage River near Vicksburg, Michigan, with a flood stage of 5.0 feet, rose above flood stage around 11 AM EDT on April 29th, crested at 5.16 feet at around 7 AM EDT on April 29th, and fell back below flood stage around 2 AM EDT on May 2nd.

The Pine River near Alma, Michigan, with a flood stage of 8.0 feet, rose above flood stage at 11:15 AM EDT on April 28th, crested at 8.40 feet at 4:15 PM EDT on April 28th, and fell back below flood stage at 2:30 AM on April 29th.

The Grand River at Comstock Park, Michigan, with at flood stage of 12.0 feet, rose above flood stage around 9 AM EDT on April 28th, crested at 14.0 feet at 7:18 PM EDT on May 1st, and fell back below flood stage around 8 AM EDT on May 5th.

The Muskegon River near Evart, Michigan, with a flood stage of 12.0 feet, rose above flood stage around 1:45 PM EDT on April 28th, crested at 12.96 feet at 4:15 AM on April 30th, and fell back below flood stage at 10:00 AM EDT on May 2nd.

The Grand River near Robinson Township, Michigan, with a flood stage of 13.3 feet, rose above flood stage around 7:18 AM EDT on April 28th, crested at 13.6 feet around 7:05 AM EDT on May 3rd, and fell back below flood stage around 10:25 AM EDT on May 4th.

The Maple River near Maple Rapids, Michigan, with a flood stage of 9.0 feet, rose above flood stage at 11:00 AM EDT on April 28th, crested at 9.37 feet at 12:30 PM on April 29th, and fell back below flood stage at 1:30 AM EDT on May 3rd.

River Conditions

River levels by the end of April were significantly above normal across our HSA. The end of the month percentage of normal flow for selected rivers is listed below:

| <u>Location</u> | <u>River</u> | <u>% of Normal</u> |
|-----------------|----------------|--------------------|
| Scottville | Pere Marquette | 230 |
| Whitehall | White | 260 |
| Evart | Muskegon | 333 |
| Alma | Pine | 633 |
| Lansing | Grand | 384 |
| Grand Rapids | Grand | 380 |
| East Lansing | Red Cedar | 760 |
| Hastings | Thornapple | 550 |
| Battle Creek | Battle Creek | 357 |
| Battle Creek | Kalamazoo | 266 |

General Hydrologic Information

April 2011 had near normal temperatures and above normal precipitation.

April precipitation totals at Grand Rapids, Lansing, and Muskegon, Michigan, were 7.19, 5.21, and 5.02 inches, respectively (Figure 1). Precipitation totals for the month at these three sites were 3.71 inches above normal at Grand Rapids, 2.12 inches above normal at Lansing, and 2.11 inches above normal at Muskegon, Michigan (Figure 2). For Grand Rapids, Michigan, it was the second wettest April on record, for Lansing, Michigan, the ninth wettest, and for Muskegon, Michigan, the fifth wettest April on record. Yearly precipitation totals were 5.82 inches above normal for Grand Rapids, 2.91 inches above normal for Lansing, and 5.05 inches above normal for Muskegon, Michigan.

Snowfall totals for April at Grand Rapids, Lansing, and Muskegon, Michigan were 1.9, 0.6, and 0.8 of an inch, respectively. Snowfall totals for the month at these three sites were 0.9 of an inch below normal at Grand Rapids, 1.9 inches below normal at Lansing, and 2.3 inches below normal at Muskegon, Michigan.

Temperatures for the month of April were near normal at Grand Rapids, Lansing, and Muskegon, Michigan, with average monthly departures of +0.4, -0.2 and +0.9 degrees Fahrenheit, respectively.

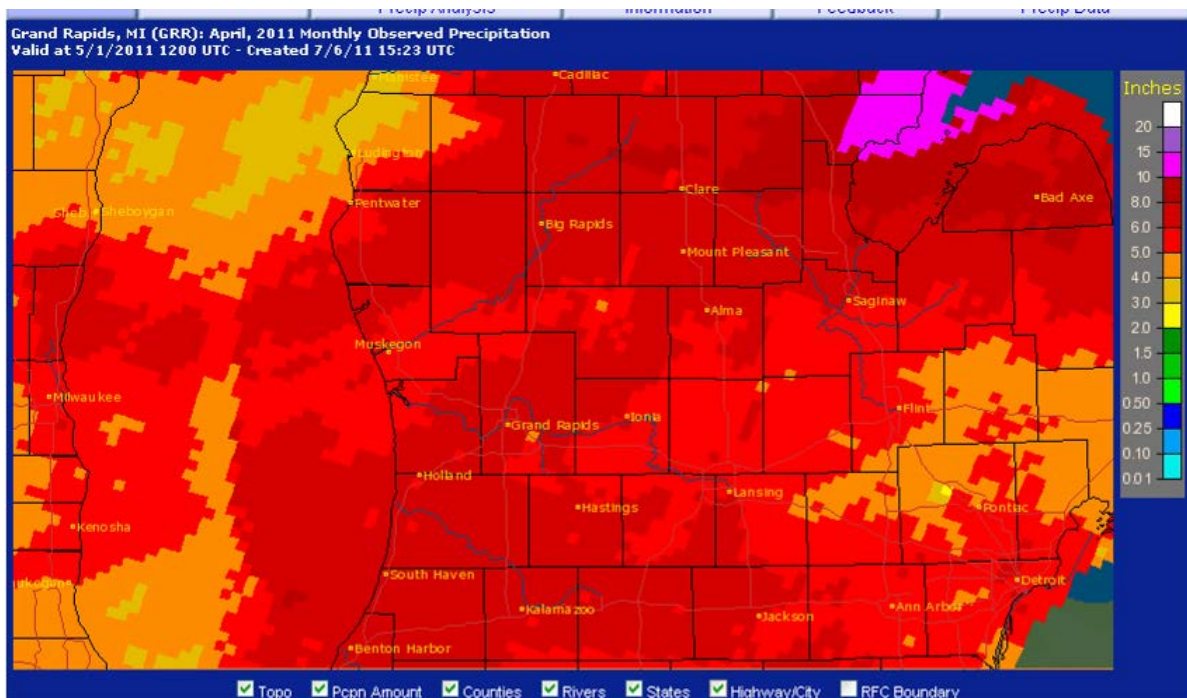


Figure 1. April 2011 Monthly Rainfall Totals

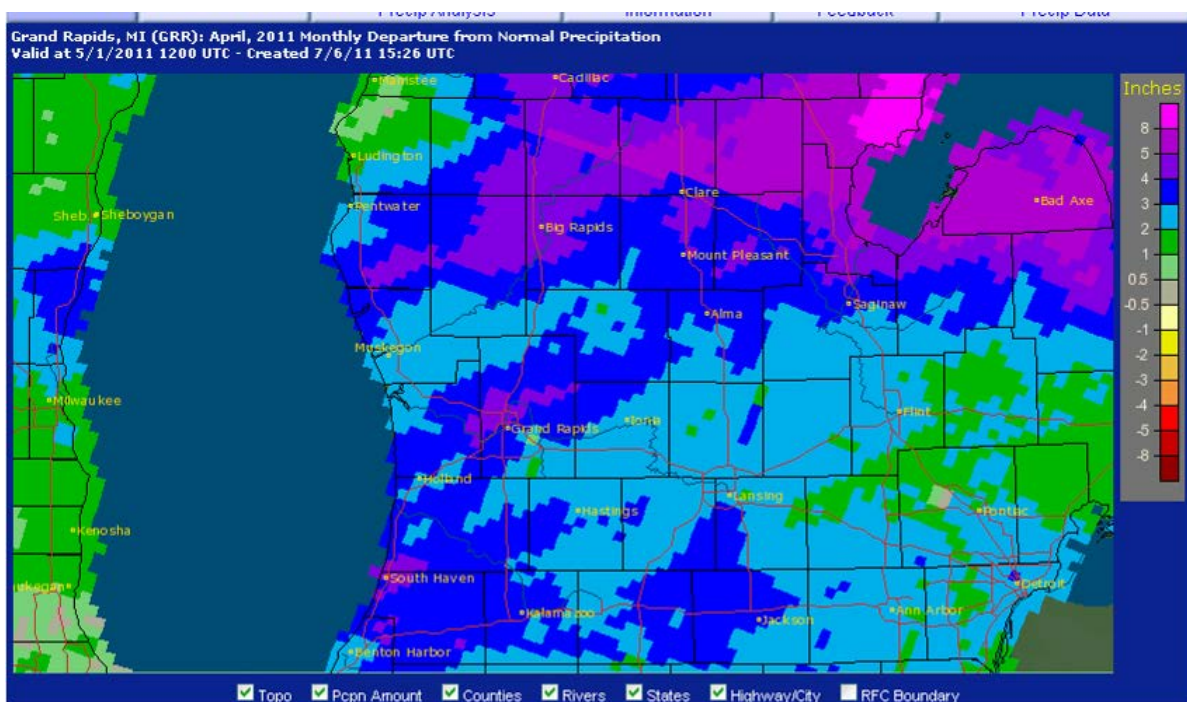


Figure 2. April 2011 Monthly Departure from Normal Rainfall Totals

Hydrologic Products issued this month:

- 10 Flood Watches (ARBFFAGRR)
- 9 River Flood Warnings (ARBFLWGRR)
- 20 River Flood Statements (ARBFLSGRR)
- 82 River Flood Advisories (ARBFLSGRR)
- 64 Hydrologic Statements (ARBRVSGRR)
- 1 Probabilistic Hydrologic Outlook (ARBESFGRR)
- 30 Hydrologic Summaries (ARBRVAGRR)
- 30 Daily River and Lake Summaries (ARBRVDGRR)

Related Documentation



Mecosta County, Michigan

Emergency Management Department

225 South Stewart Ave Big Rapids, MI. 49307 Ph: (231) 592-0158 / Fax: (231) 796-5577



* * * NEWS RELEASE * * *

April 6, 2011
4:30pm

FOR IMMEDIATE RELEASE: *Update for Mecosta County's Flooding*

Mecosta County, MI. – Mecosta County's State of Emergency declaration is still in effect. Throughout the day emergency officials from Mecosta County Emergency Management, Mecosta County Road Commission, Mecosta County Sheriff's Office, and the Mecosta County Board of Commissioners have been working diligently to repair and reopen the roads that have been affected from Monday's severe rain fall event.

Officials from the Michigan State Police Emergency Management and Homeland Security Division and Michigan Department of Transportation have been working closely with Mecosta County's Emergency Management director, Jams Buttleman, to provide subject matter expertise where it is requested and needed.

As of 3:00pm, Mecosta County Road Commission officials are estimating the costs of repairs to be near \$700,000; with the exact numbers still being calculated for this response and recovery.

Along with the Local State of Emergency Declaration signed yesterday; Mecosta County Board of Commissioners chairperson, William Routley, signed a Request for a Governor's Declaration as well. Mecosta County requested the following state assistance to supplement local response and recovery efforts: *"Mecosta County is requesting monetary appropriations and technical assistance with responding to and recovering from the flooding caused by the severe rainfall from April 4, 2011 and additional damage to the imminent threat of additional rainfall causing additional flooding and additional damage to public and individual property"*.

As of 4:00pm today these are the current conditions of the affected roads:

- M-20 between the Village of Mecosta and 9 Mile Rd, has been re-opened
- 17 Mile Rd east of 90th Ave, has been repaired and is open
- 190th Ave at Spruce Rd, has been repaired and is open
- 17 Mile Rd east of 110th Ave, has been repaired and is open
- 13 Mile Rd east of 190th Ave, is still closed. It is expected to be open by Tuesday afternoon
- US-131 northbound North of the Muskegon River has been temporally repaired and is signed for safety
- 10th Ave North of M-20 has been closed due to the need to repair holes and the culvert under the road. It is expected to be open by Tuesday afternoon. local residents have a route of ingress or egress



DECLARATION FOR A GOVERNOR'S "STATE OF EMERGENCY OR DISASTER"

NEWAYGO COUNTY

Adam Wright, Chairperson
1018 Newell Street, PO Box 885, White Cloud MI 49349
Phone: (231) 689-7200 / Fax: (231) 689-7205

TO: Governor Snyder, State of Michigan

On **April 29, 2011**, pursuant to Section 10 of Act 390, P.A. 1976, as amended, I declared that a "state of emergency" exists in **NEWAYGO COUNTY** due to **flooding on the Muskegon River** which caused widespread and severe damage, injury and loss of life and property. The response and recovery aspects of **NEWAYGO COUNTY'S** Emergency Action Guidelines have been activated, and local resources are being utilized to the fullest possible extent. Despite these efforts, local resources are not sufficient to cope with the situation.

Therefore, in accordance with Section 12 of Act 390, P.A. 1976, as amended, I deem this incident to be beyond the control of this political subdivision and I respectfully request, for and on behalf of the citizens of this political subdivision, that the Governor declare a "State of Disaster" or "State of Emergency" exists therein and that consideration be given, if conditions warrant, to petitioning the President of the United States for assistance provided by Public Law 93-288, as amended. In support of this request, we will submit specific damage assessment data through official channels and in accordance with the guidance by the Emergency Management and Homeland Security Division, Department of State Police (MSP/EMHSD) within three (3) days of this incident, unless circumstances dictate an earlier submittal as requested by the MSP/EMHSD. Furthermore, I understand that this request will not be acted upon without sufficient damage assessment data to substantiate the need for assistance, and I acknowledge that it is the responsibility of the **COUNTY OF NEWAYGO** to provide that information in the manner prescribed by the MSP/EMHSD.

Specifically, I request the following state assistance to supplement local response and recovery efforts: ***Due to unsafe conditions, until the Flood Warning is lifted on the Muskegon River, Newaygo County is asking the Michigan DNR to close access sites at Pine Street access in Croton Township, High Rollaway access in Brooks Township, and the Newaygo Bridge access in the City of Newaygo. Boat Traffic is causing flood waters to be pushed into homes and high flows on the river are unsafe for boaters. Newaygo County is also requesting assistance with water testing of wells and septic systems which have been impacted by the flood waters. Finally, Newaygo County would like assistance with associated response and recovery costs. Water has been surrounding these homes for multiple days causing foundation issues and destroying many of the homes. If warranted, please requested federal disaster relief assistance through FEMA Region V in Chicag, Illinois.***

Accordingly, be advised that **Abigail B. Watkins, P.E.M, Newaygo County Emergency Services Director** will provide liaison and coordination with state and Federal authorities for assistance related to this disaster and in accordance with Section 14 of Act 390, P.A. 1976, as amended, she is directed to transmit this request to the MSP/EMHSD.



Newaygo County, Michigan

Emergency Operations Center

P.O. Box 885 White Cloud, MI. 49349 Ph: (231) 689-7307 / Fax: (231) 689-7305



* * * NEWS RELEASE * * *

April 30, 2011

FOR IMMEDIATE RELEASE: UPDATE: Muskegon River Flooding

Newaygo County, MI. – Newaygo County has been under a Flood Warning since Wednesday, April 27, 2011. Due to the flooding, on April 29, 2011, the Newaygo County Board of Commissioner Chief Elected Official, Adam Wright, issued a Local State of Emergency for Newaygo County. 56 homes have been impacted, 12 homes have been evacuated, the Salmon Run Campground is closed, City of Newaygo Riverfront Park is closed, Turner Street off of 128th street is closed, and Felch at 96th street is closed.

At 11:50 am today Newaygo County Central Dispatch received a call of an overturned boat and 2 victims trapped on the west side of Devil's Hole in the Muskegon River. Newaygo Fire Department, Newaygo First Responders, Michigan DNR Conservation Officers, Michigan State Police, Life EMS, and Newaygo Police Department responded. Both victims were rescued successfully. One was found clinging to a tree, the other was trapped under the boat. Both are stable, and in good condition.

Due to unsafe conditions on the Muskegon River, CEO Adam Wright has issued an executive directive:

- All persons are advised to stay off the river until the Flood Warning has been lifted.
- All County, Township, and City controlled access sites are closed until the flood warning has been lifted, this includes:
 1. Croton Township Dam Launch
 2. Newaygo County Henning Park Launch
 3. City of Newaygo Riverfront Park Phase 1 and 2
 4. Bridgeton Township Launch

If you feel it is unsafe to stay in your home due to flooding and you need to evacuate and need assistance for sheltering, please contact the American Red Cross at 231-726-3555.

If you are experiencing flood damage or would like further information, please contact the Newaygo County Emergency Services Director Abby Watkins at 231-250-7516.

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Emergency Management Department

P.O. Box 25 Reed City, MI. 49677 Ph: (231) 832-6172 / Fax: (231) 832-7351

www.osceolacountyemd.org



2011 SPRING FLOODING MAY 16TH – 22ND / BRIEFING

INCIDENT NAME:

2011 OSCEOLA SPRING FLOODING

PREPARED BY:

Mark A. Watkins, Emergency Management Director

SUMMARY OF
EVENT

Rains and seasonal spring drainage over the late April, early May 2011 spring resulted in severe flooding along lying areas of the Muskegon River in Osceola County (primarily Sylvan and Evert Townships). River levels rose to near 13' (Moderate Flood Stage) and affected an estimated 140 structures and dozens of roads resulting in significant response/recovery costs for the jurisdictions involved. Specific concerns include:

- 1) **Flood waters affected an estimated 140 homes and numerous roads in the various areas along the Muskegon River**
- 2) **Emergency services provided dedicated support to the incident with hazard monitoring, evacuation, and rescues as necessary for over a week.**
- 3) **Public recovery costs for primary response agencies and private recovery costs for home/property owners in the area are anticipated to be high.**

PRIMARY
ORGANIZATIONS
INVOLVED:

Osceola County Emergency Management, Evert Fire Dept., Osceola Co. Sheriff Dept., American Red Cross, Grand Rapids National Weather Service, Osceola County Road Commission, MSP-EMHSD, Central Mi. Dept. Health,

SUMMARY OF
CURRENT
SITUATION /
OPERATIONS

- Osceola County has rescinded the local state of emergency via executive directive, however has authorized the maintained support to recovery processes which have been absorbed into regular EMD activities.
- Evert Fire Dept. / Emergency Services back to normal operations.
- Road Commission in dire need of cost recovery assistance due to budget limitations resulting from 2008 DR1777 payments not yet received combined with current emergency costs incurred from this event.
- Recovery concerns for evacuated, affected homes/properties include issues of structural safety, septic/well contamination, and mold concerns as result of extended flood water impingement.
- State assistance pending, evaluating state declaration and/or possible SBA declaration.

CRITICAL
RESOURCE
SUMMARY

Public Information systems being utilized to attempt to acquire information on damaged homes/structures

2011 SPRING FLOODING

DAILY INCIDENT SUMMARY / BRIEFING

OPERATIONAL PERIOD:

May 6th , 2011 (9am) – May 15th (9am) 2011

GENERAL OPERATIONAL OBJECTIVES:

- 1) Continue to support affected residents and seasonal property owners with basic recovery needs (specifically safe re-entry, cost estimation, structural cleanup / assessment, septic etc)**
- 2) Await results of State Disaster Declaration, at this point priority seems to be recovery of the DR1777 funds and public costs. Private damage was predominantly seasonal residences and flood insured homes.**

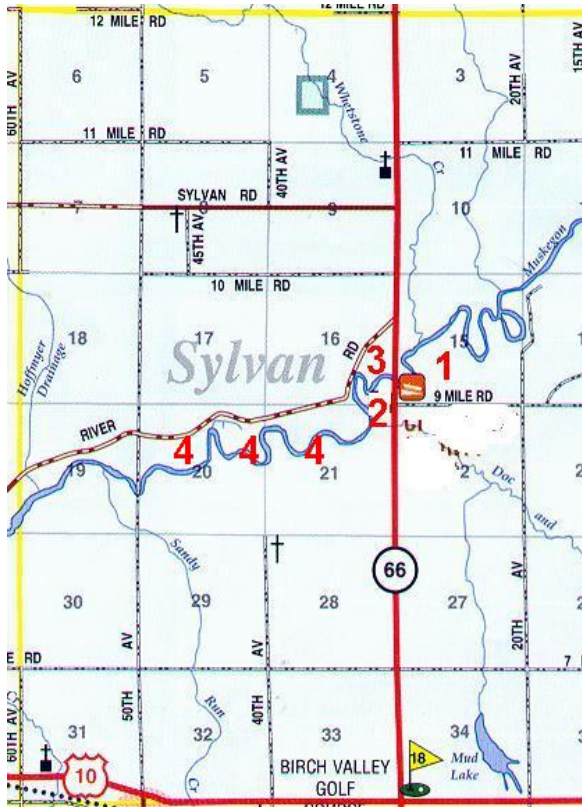
HAZARD FORECAST FOR OPERATIONAL PERIOD:

Hazard conditions for rain, water are at normal levels with no anticipated hazardous outlook.

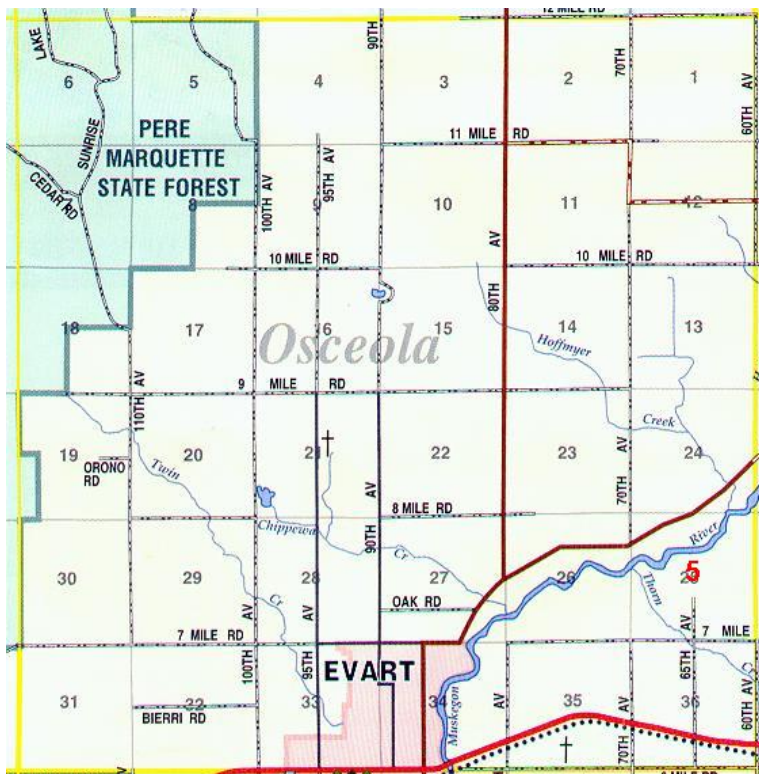
GENERAL SAFETY MESSAGE:

Primary hazard conditions focus on re-entry of evacuees and safe entry / repair of homes. Citizens should be cautious of debris and potentially damaged utilities (propane tanks). Re-entry to homes should be done with a formal inspection of utilities, structural conditions, septic/water systems, etc. and clean up done under supervision of a professional cleanup/remediation professional.

Impacted Areas:



- 1 - DOC & TOM SUB
2 Major
3 Minor
3 Affected
- 2 - JEFFRIES SUB
2 Major
2 Minor
6 Affected
- 3 - TIMBER LANE SUB
4 Major
4 Minor
3 Affected
- 4 - GENERAL RIVER
26 Major
46 Minor
25 Affected



- W Deerpath Sub
7 Major
5 Minor
2 Affected