

NATIONAL WEATHER SERVICE SOUTHERN REGION SUPPLEMENT 11-2005

APPLICABLE TO NWSI 10-924

October 28, 2010

Hydrologic Services Program, NWSPD 10-9

Weather Forecast Office Hydrologic Reporting, NWSI 10-924

WFO HYDROLOGIC REPORTING EXAMPLES

NOTICE: This publication is available at: <http://www.nws.noaa.gov/directives/>.

OPR: W/SR12 (B. Weiger)

Certified by: W/SR1 (Judson Ladd)

Type of Issuance: Routine

SUMMARY OF REVISIONS:

1. Updated the title of this Supplement.
2. Sections 2-5 - Updated these sections to reflect guidelines for uploading hydrologic administrative reports to the SharePoint server.
3. Section 2 – Updated this section to reflect more frequent updating of E-19s based on certain criteria.
4. Section 5 – Updated this section to reflect new reporting requirements.
5. Section 6 – Inserted new section on change management for Hydro Depot Notification List updates.

(signed by) Bill Proenza
Regional Director

10/14/10
Date

<u>Table of Contents</u>	<u>Page</u>
1. Purpose.....	3
2. National Weather Service Form E-19.....	3
3. National Weather Service Form E-5.....	3
4. National Weather Service Form E-3	4
5. Monthly Hydrologic Activities Report	4
6. Change Management for Hydro Depot Notification List Updates	4
7. Appendices.....	5
Appendix A – National Weather Service Form E-19	5
Appendix B – National Weather Service Form E-19a.....	16
Appendix C – National Weather Service Form E-5	17
Appendix D – National Weather Service Form E-3	23
Appendix E - Monthly Hydrologic Activities Report	25

1. PURPOSE

The purpose of this supplement is to provide regional procedures regarding the submission of Weather Forecast Office (WFO) hydrologic administrative reports. Preparation and submission of these reports are the responsibility of the WFO Meteorologist-in-Charge (MIC), who may delegate authority to prepare these reports to the local Service Hydrologist or Hydrology Focal Point. For WFOs without a Service Hydrologist, the Service Hydrologist tasked with providing hydrology program management support, should provide hydrologic guidance in preparing these reports. These reports support NWS operations and management of the Hydrologic Services Program.

2. NATIONAL WEATHER SERVICE FORM E-19

National Weather Service (NWS) Form E-19 will be updated at least every 5 years for each river station used to provide hydrologic forecast services. The E-19 will be updated within 30-60 days when there have been significant changes to the hydrologic information at the river station (e.g., changes to flood category/impact information, discontinuance of a stream gage, or gage datum changes). For a new river forecast point, the E-19 should be updated prior to service implementation. This includes traditional river forecast points (forecast guidance provided by the RFCs) and local WFO river forecast points (forecasts generated by the WFO using a site-specific hydrologic model) as defined in Southern Region Supplement 01-2005. The history of the gage station will be included in the report. Where feasible, pictures should also be included in the document. All pictures will be clearly labeled and include: the date and time the photograph was taken, the reach of the river, the gage height, and the view of the picture (upstream, downstream, etc.). NWS Instruction 10-924, Appendix A, provides guidance on the required fields to populate in the Integrated Hydrologic Forecast System Database for E-19 reports. Database fields for river gage station information and history should be maintained for all river gage stations used in the Hydrologic Services Program. Instructions for formatting the E-19 are available in the Hydro Depot portion of the SharePoint server. A sample of NWS Form E-19 is contained in Appendix A of this supplement. A sample of NWS Form E-19a is contained in Appendix B.

Intranet/internet web pages (e.g., AHPS web pages) and Hydrologic Service Manuals will be updated to reflect current E-19 information. E-19s will be uploaded to the SharePoint server for use by the Hydrologic Services Branch (HSB), the servicing RFC, WFO service backup offices, and the supporting Service Hydrologist, where appropriate.

3. NATIONAL WEATHER SERVICE FORM E-5

NWS Form E-5 will be used to prepare a monthly report of river and flood conditions for a Hydrologic Service Area (HSA). This form should include information that is described in NWS Instruction 10-924, Section 4. Where feasible, pictures should also be included at the end of the document. All pictures should be clearly labeled and include: the date and time the photograph was taken, the reach of the river, the gage height, and the view of the picture (upstream, downstream, etc.).

The E-5 reports will be uploaded to the SR SharePoint server for use by the servicing RFC, HSB, supporting Service Hydrologist (where appropriate), service backup offices, and the Hydrologic Information Center (HIC). Based on local agreements, this report may also be sent to external partners and customers. Monthly reports should be uploaded to the SharePoint server by the 15th of the following month. When the 15th of the month falls on a weekend or a holiday, the report should be uploaded the following business day. Examples of NWS Form E-5 are contained in Appendix C.

4. NATIONAL WEATHER SERVICE FORM E-3

NWS Form E-3 will be prepared whenever a river reaches or exceeds flood stage. All reports should include detailed hydrologic information about the flood event including the river/station name, the station identifier, the start and end date of the flood, and the flood crest value and date. Additional details about the content of this form are contained in NWS Instruction 10-924, Section 3.

The E-3 reports will be signed and uploaded to the SR SharePoint server for use by the HSB, the servicing RFC, the supporting Service Hydrologist (where appropriate), service backup offices, and the HIC¹. Based on local agreements, this report may also be sent to external partners and customers. Monthly reports should be uploaded to the SR SharePoint server by the 15th of the following month. When the 15th of the following month falls on a weekend or a holiday, the report should be uploaded the following business day. Examples of NWS Form E-3 are contained in Appendix D.

5. MONTHLY HYDROLOGIC ACTIVITIES REPORT

The Hydrologic Activities Report is a monthly summary describing the hydrology program manager's (HPM) activities and accomplishments for that month. It is an excellent resource for managers to stay informed of the hydrologic program's progress on a field office and regional level, as well as document the HPMs' efforts throughout the year. HPMs are strongly encouraged to create and upload this optional report to the SR SharePoint server.

A sample Hydrologic Activities Report is contained in Appendix E.

6. CHANGE MANAGEMENT FOR HYDRO DEPOT NOTIFICATION LISTS

HSB will provide change management support for the Hydro Depot e-mail notification lists. WFOs will submit update requests via the SharePoint server. HSB will update the e-mail notification list files and notify the WFOs upon completion.

¹ If you change the retention parameter for the FloodTS table in the Integrated Hydrologic Forecast System Database from a default of 15 months to 30 months, your office will not have to include the Hydrologic Information Center in your email notification list defined on the SharePoint server. Once the National River Location Database is operational, NWS Headquarters will obtain E-3 information from this database, and will not require email notification from the SharePoint server.

6. APPENDICES

Appendix A – National Weather Service Form E – 19

NWS FORM E-19 (COVER)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

REPORT ON RIVER GAGE STATION

REVISED, PRINTED DATES: 10/20/1993, 02/04/2000

LOCATION: Celina

STREAM: Cumberland River

BASIN: Cumberland

HSA: OHX

REFERENCES:

USGS description of gaging station

ABBREVIATIONS:

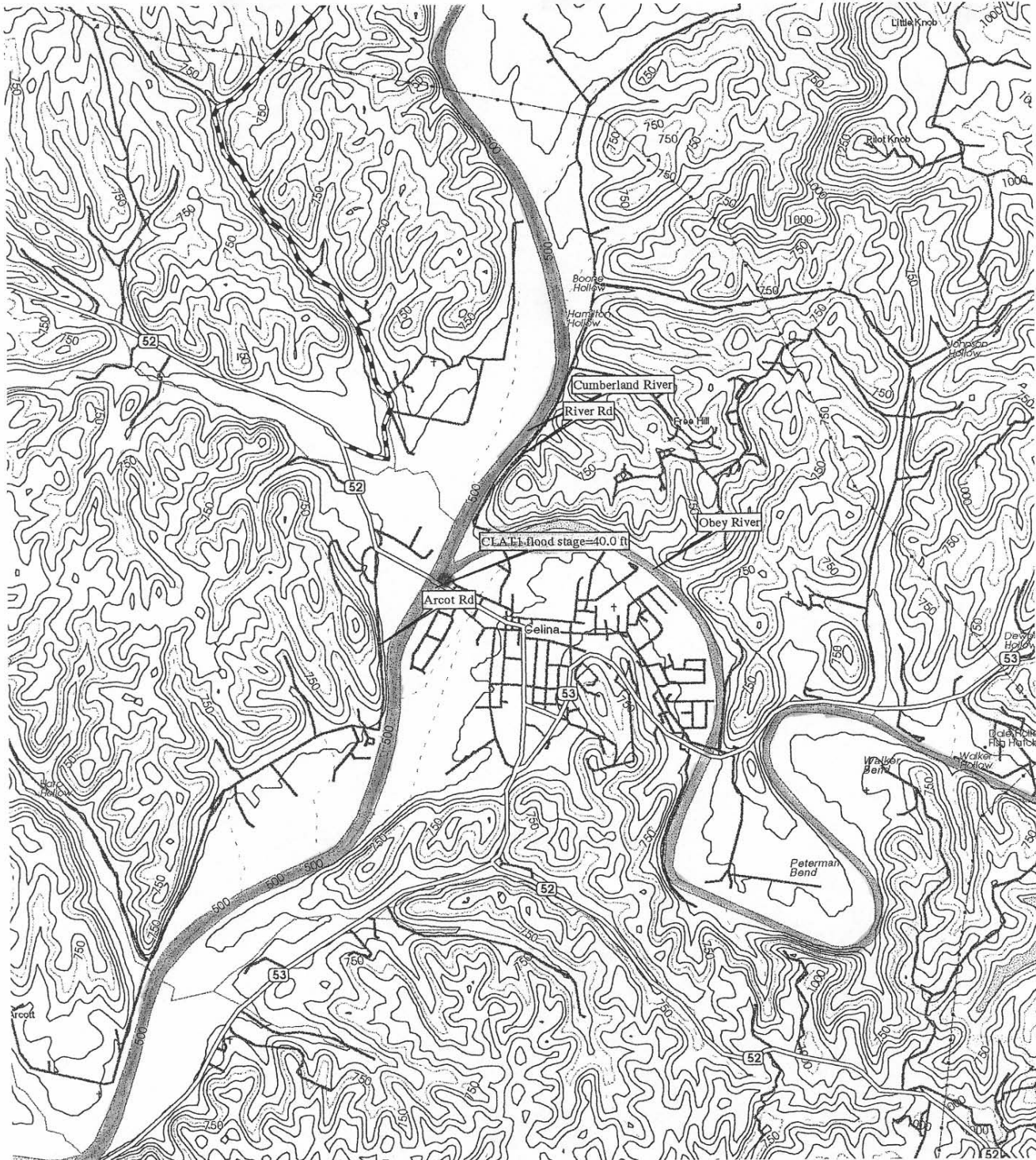
BM	- bench mark	EPA	- Environmental Protection Agency
DS	- downstream	IBWC	- International Boundary and Water Comm.
US	- upstream	MSRC	- Mississippi River Commission
HW	- high water	MORC	- Missouri River Commission
LW	- low water	NOAA	- National Oceanic and Atmospheric Admin.
RB	- right bank	NOS	- National Ocean Survey
LB	- left bank	NWS	- National Weather Service
MGL	- mean gulf level	TVA	- Tennessee Valley Authority
MLW	- mean low water	USACE	- U.S. Army Corps of Engineers
MSL	- mean sea level	USBR	- U.S. Bureau of Reclamation
MLT	- mean low tide	USGS	- U.S. Geological Survey
MT	- mean tide	USWB	- U.S. Weather Bureau
WQ	- water quality	NGVD	- National Geodetic Vertical Datum
RM	- reference mark	NAD	- North American Datum
RP	- reference point		

LOCATION IDENTIFICATION: CLAT1
NWS INDEX NUMBER: 40-1562-3
USGS NUMBER: 03417500

MAP OF GAGE LOCATION

LATITUDE: 36 33 00
LONGITUDE: 85 31 00

SOURCE: USGS



LOCATION: Cumberland River at Celina

ID: CLAT1

HSA: OHX

Revised, Printed Dates: 10/20/1993, 02/04/2000

NWS FORM E-19 PAGE 1: GAGE MAP

BENCHMARKS

ELEVATION OF GAGE ZERO: 489.000

VERTICAL DATUM: NGVD OF 1929

LEVELING AGENCY AND DATE: Level
RATING AGENCY:

CHECKBAR: 30.290

BENCHMARK	DESCRIPTION	GAGE ZERO	DATUM
RM 6	A standard USGS benchmark tablet stamped B-82 1935 set in the top of the downstream end of the left abutment of the bridge	63.390	552.390
RM 7	A standard USGS benchmark tablet stamped B-82 1935 set in the top of the downstream end of the left abutment bridge	94.310	583.310
RM 8	The top of the concrete spill on the hand strirrup on the right side of the downstream post of the gage pier	67.190	556.190
RM 9	A lag bolt 2 feet above ground in the streamward side of a sycamore tree 5 feet behind and streamward of the gage house	49.762	538.762

GAGES

DCP

TELEM

NESS ID: CE56A874
 OWNER: USACE
 REPORT TIME: 01:50:00
 INTERVAL: 240
 CRITERIA:

TYPE OF TELEMETRY: modem
 OWNER: USACE
 PHONE NUMBER: 931-243-3140
 INTERVAL: UNK
 CRITERIA:
 PAYOR/COST OF LINE: USACE / \$

GAGE TYPE	OWNER	MAINTENANCE	BEGAN	ENDED	GAGE LOCATION/REMARKS
staff gage	USACE	USACE	12/01/1903	10/01/1930	On the old steamboat landing
recorder	USACE	USACE	01/01/1937		HWY 52 at Henry Horton Bridge
recorder	USGS	USGS	07/01/1987		Right bank of the downstream side on Henry Horton Bridge on HWY 52.. 0.5 miles northwest of the courthouse at Celina

LOCATION: Cumberland River at Celina
 ID: CLAT1

HSA: OHX

Revised, Printed Dates: 10/20/1993, 02/04/2000
 NWS FORM E-19 PAGE 3: GAGES

HISTORY

PUBLICATION/LOCATION OF RECORDS -----	STARTING DATE -----	ENDING DATE -----
NWS	12/01/1903	11/27/1930
USGS	10/27/1930	08/11/1953
USGS	08/11/1953	

TYPE OF GAGE -----	OWNER -----	STARTING DATE -----	ENDING DATE -----
staff gage	USACE	12/01/1903	10/01/1930
recorder	USACE	01/01/1937	
recorder	USGS	07/01/1987	

ZERO ELEVATION -----	STARTING DATE -----
489.460	12/01/1903
487.460	10/27/1930
489.000	08/11/1953

CRESTS

FLOOD STAGE: 40.00
 FLOOD FLOW: 0

ACTION STAGE: 35.00

BANKFULL STAGE: 40.00

DATE OF CREST	TIME LST	CREST (ft)	FLOW (CFS)	FROM HIGH WATERMARKS	BASED ON OLD DATUM	CAUSED BY ICE JAM	REMARKS
03/01/1826	UNDEF	61.30		X			
03/01/1902	UNDEF	54.50					
02/01/1918	UNDEF	57.30					
12/29/1926	UNDEF	59.35					
03/27/1929	UNDEF	54.80					
01/23/1937	UNDEF	53.83					
01/02/1943	UNDEF	52.02					
01/12/1946	UNDEF	54.09					
02/17/1948	UNDEF	52.01					
02/05/1950	UNDEF	52.46					
03/28/1980	UNDEF	25.18					
01/23/1982	UNDEF	22.86					
05/19/1983	UNDEF	28.32					
05/07/1984	UNDEF	35.35					
11/28/1985	UNDEF	21.06					
02/18/1986	UNDEF	19.66					
12/09/1987	UNDEF	23.86					
01/20/1988	UNDEF	18.50					
03/06/1989	UNDEF	32.65					
10/17/1990	UNDEF	26.22					
12/31/1991	UNDEF	22.64					

LOW WATER RECORDS

DATE OF LOW WATER	STAGE (ft)	FLOW (CFS)	REMARKS
09/02/1925	2.21		recalculated to present datum

CONDITIONS AFFECTING FLOW

MILES ABOVE MOUTH: 380.8 DRAINAGE AREA: 7307.0 POOL STAGE: 0.0

STREAM BED: coarse gravel and rock

REACH: Celina

REGULATION: Flow is regulated by flood storage and power operations at
Wolf Creek Dam and Dale Hollow Dam

DIVERSION:

WINTER: some ice during extreme winters

TOPOGRAPHY: The area on either side of the river is nearly level. The
banks are moderately high and not rocky. Away from the
river..are rolling hills on both sides.

REMARKS:

DAMAGE

STAGE AREAS AFFECTED

40.00 Flood water will reach a broad depression and will run through the cutoff.

45.00 Flood waters will reach low-lying areas of town near the river.

50.00 Flood waters reach town near the courthouse and business sections.

RIVER STAGE DATA

50.00 - Flood waters reach town near the courthouse and business sections.

45.00 - Flood waters will reach low-lying areas of town near the river.

40.00 - Flood water will reach a broad depression and will run through the cutoff.

61.30	03/01/1826
59.35	12/29/1926
57.30	02/01/1918
54.80	03/27/1929
54.50	03/01/1902
46-	54.09 01/12/1946
46-	53.83 01/23/1937
46-	52.46 02/05/1950
46-	52.02 01/02/1943
46-	52.01 02/17/1948
40-	
40-	
40-	
34-	35.35 05/07/1984
34-	
34-	32.65 03/06/1989
28-	
28-	28.32 05/19/1983
28-	
28-	26.22 10/17/1990
28-	25.18 03/28/1980
22-	
22-	23.86 12/09/1987
22-	22.86 01/23/1982
22-	22.64 12/31/1991
22-	21.06 11/28/1985
22-	19.66 02/18/1986
22-	18.50 01/20/1988

REACH: Celina

ELEVATION ZERO: 489.00

LOCATION: Cumberland River at Celina

Revised, Printed Dates: 10/20/1993, 02/04/2000

ID: CLAT1

HSA: OHX

NWS FORM E-19 PAGE 9: STAFF

CONTACTS

CONTACT/REMARKS

PHONE

Celina PD

615-243-2115

LOCATION: Cumberland River at Celina

ID: CLAT1

HSA: OHX

Revised, Printed Dates: 10/20/1993, 02/04/2000

NWS FORM E-19 PAGE 10: CONTACTS

Appendix B – National Weather Service Form E – 19a

U.S. DEPARTMENT OF COMMERCE NWS-FORM E-19A
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL WEATHER SERVICE

REPORT ON RIVER GAGE STATION

----- SITE -----

LID: ABDM6	PROXIMITY: NEAR	
NAME: ABERDEEN	STREAM: BUTTAHATCHIE RIVER	
COUNTY/STATE: MONROE, MS	BASIN: TOMBIGBEE	

DRAINAGE: 799.00	FLOOD STAGE: 13.00	STATION NO: 22-0025-6
RIVER MILE: 28.60	ACTION STAGE: 12.00	USGS NO: 02439400
ZERO DATUM: 220.770	BANKFULL STAGE: 13.00	NESS ID: 176042D2
CHECKBAR: 27.180	NORMAL POOL: 0.00	RPC: SERFC
LATITUDE: 33 47 24	TIDAL EFFECTS: None	HSA: MEG
LONGITUDE: 88 18 53	FLOODCATS: MAJOR: 26.00	
	MODERATE: 23.00	
	MINOR: 13.00	

PERIOD OF RECORD: 7/1/1966 TO DATE

----- OBSERVER -----

SERVICE DATE: 12/31/1899	SPONSOR:
CD-404:	RATE: \$ 0.00
HOME PHONE:	
WORK PHONE:	

DUTIES:
 RECIPIENT: COMMS TYPE: TASK:

----- GAGES -----

TELEM TYPE: DCP ID: 176042D2	TELEM OWNER: DCP OWNER: USGS	PHONE:
---------------------------------	---------------------------------	--------

LATEST GAGE TYPE FLOAT	START DATE 07/27/1966	OWNER OF GAGE USGS
---------------------------	--------------------------	-----------------------

----- CRESTS -----

	LEVEL	DATE
HIGHEST BASED ON GAGE READING:	23.48	03/17/1973
HIGHEST BASED ON HIGH WATERMARKS:		
HIGHEST SINCE 1/01/1990:	20.33	12/04/1991
HIGHEST SINCE 1/01/2000:	18.14	04/05/2000

----- REMARKS -----

This location is being considered for a flood stage adjustment upward.

HYDROLOGIST: Buzz Merchlewitz REVISED, PRINTED DATES: 07/13/2000, 07/13/2000

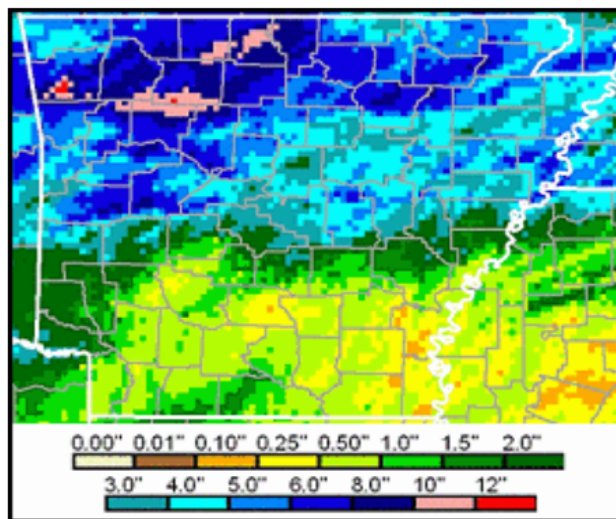
Appendix C – National Weather Service Form E-5

NWS FORM E-5 (11-88) (PRES. by NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) Little Rock
MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS		REPORT FOR: MONTH April YEAR 2004
TO: NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283	SIGNATURE Hydrometeorological Information Center, W/OH2 Steven Bays DATE	
05/03/2004		

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924)

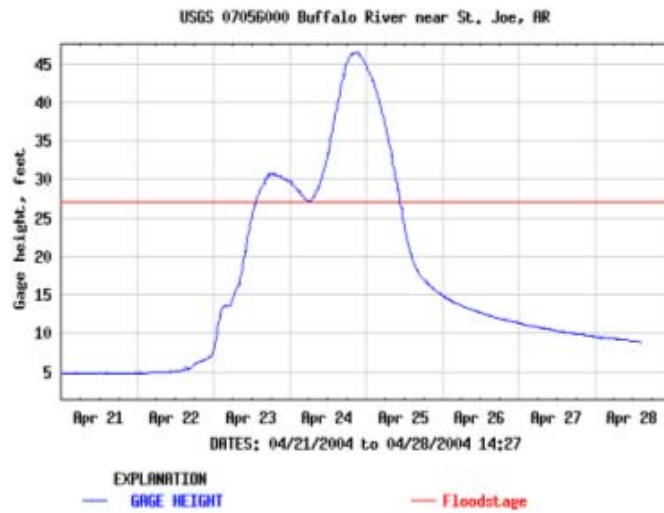
Major Flooding along the Rivers and Streams of Northern Arkansas April 2004

A series of upper level disturbances tracked across the central United States beginning Wednesday April 21st and lasting into Saturday evening when the rainfall crossed over the Mississippi River. These multiple events dumped heavy rainfall from eastern Oklahoma to Little Rock and north into southern Missouri. Four day rainfall totals were generally from 6 to more than 12 inches for most of north Arkansas. Resulting runoff created some of the highest river levels on White River basin streams that have not been seen since the major flood of 1982. Rainfall totals for the 7 days ending Sunday April 25th at 7 am are illustrated.



The following is a list of crest and historic references...

Buffalo River near St. Joe flood stage = 25' crest 46.5'
3rd highest crest of record, highest since 1982

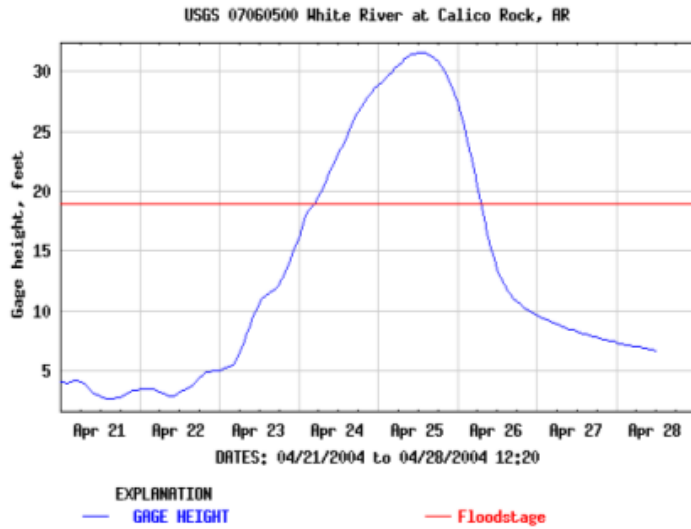


Buffalo River at Gilbert flood stage = 30' crest 47.0'
4th highest of record, highest since 1982

Buffalo River recreational facilities were flooded and damaged. Park Rangers and their families had to be evacuated from Park Service housing along the river. State highway 43 closed with a bridge washed out.

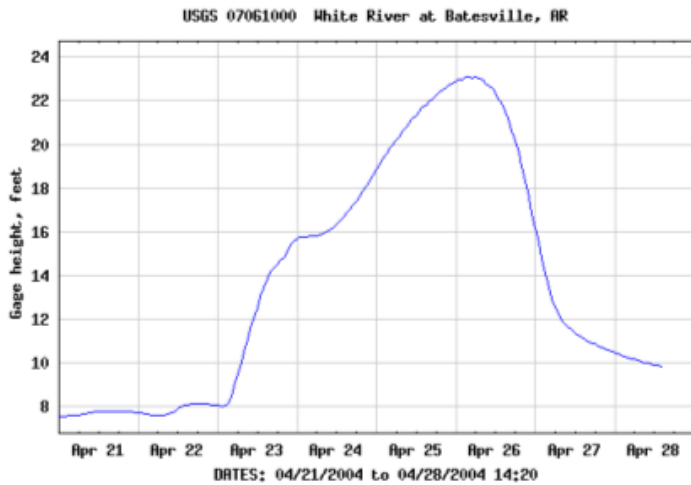
White River at Calico Rock flood stage = 19' crest 31.5'
highest since flood of 1982
2nd highest since completion of flood control reservoirs in 1954





There was substantial structural damages along the upper White River. Numerous homes and a hotel in Calico Rock were flooded. Several homes were destroyed by the force of the water combined with drift slamming into the structures. Most of the commercial fishing docks from Baxter to Stone and Izard counties received some level of damage.

White River at Batesville flood stage = 15' crest 23.1'
 highest since 1982, 3rd highest since completion of flood control reservoirs



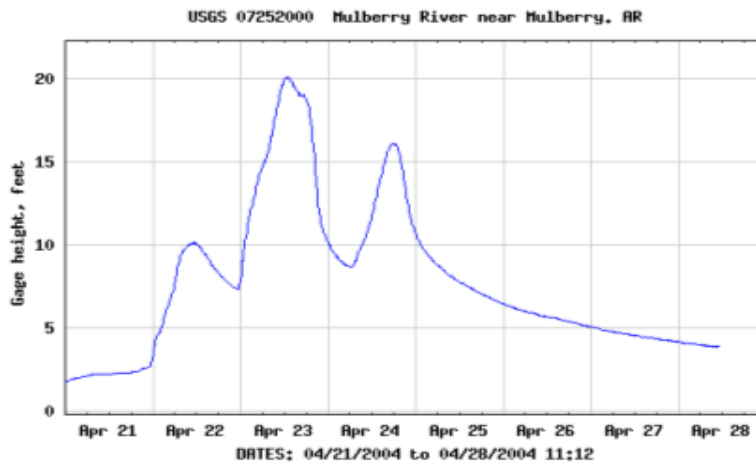
openings. The county E.M. coordinated this operation with me. I told him that the river would be several feet under the critical level. He decided to do this as a safety measure and to see how fast they could complete the task. There are over 20 openings that would require as much as 24 hours to complete the total closure. Several homes were flooded downstream in the Oil Trough community.

White River at Newport flood stage = 26' crest 29.4'
 highest since 1989, 9th highest since completion of reservoirs

Widespread flooding around town but problems were primarily agricultural, road closures, and road damages.

The White River continues to rise downstream and will be the highest levels since the 1989 flood. Most damages on the downstream of Newport reach will be agricultural losses and secondary road damages. There will be a few homes and camps flooded in the Augusta area in White and Woodruff counties.

There was also minor to moderate flooding along the Arkansas, Mulberry, Petit Jean, Fourche LaFave, Black, Spring, and Eleven Point Rivers. Some campers had to be rescued along the Mulberry River. Numerous state highways were closed. Damages to county roads will be in the tens of millions of dollars statewide. The Arkansas River rose to levels not seen since 1995. Even though it was below flood stage at Pine Bluff, numerous homes were isolated when the only access road was flooded.



Cache River continues to rise and may create problems to roads and will cause many dollars in damages to agriculture.

NWS FORM E-5
 (11-88)
 (PRES. by NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)
LUBBOCK

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

REPORT FOR:
 MONTH **MAY** YEAR **2004**

TO: Hydrometeorological Information Center, W/OH2
 NOAA / National Weather Service
 1325 East West Highway, Room 7230
 Silver Spring, MD 20910-3283

SIGNATURE
 / **John W. Lipe**

DATE **June 22, 2004**

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924)

[X] No flood stages were reached in this HSA for the month above.

May 2004 was significantly drier and warmer than normal. Temperatures averaged 3.1 degrees above normal, while the average rainfall for our 37 cooperative stations averaged only 0.60". This value was 2.21 inches below normal. May is typically one of the region's wettest months and severe weather is frequently a problem. However, this year the dryness resulted in a significantly less active severe weather season. While hail is typically responsible for considerable amounts of crop damage during the month, this year it may have been replaced by wind damage. Blowing sand, especially on May 27th when wind gusts remained in the 45 to 60 mph range for several hours reportedly caused significant cotton crop damage in a few areas.

At the end of May, Lake Meredith in the Panhandle was again near it's record low storage with only 16 percent of it's capacity. Lake Mackenzie remained at a record low with only 12 percent of its capacity. White River Lake saw an decrease of 2 percent to 21 percent of capacity. Lake Alan Henry decreased 1 percent to 84 percent of capacity.

See table of lake capacities for the past year below, as well as the attached summary of cooperatives stations.

Percent of conservation capacity at the end of each month.

	2004					2003										
	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sep	Aug	Jul	Jun	May	Apr	Mar	Feb
Lake Meredith	- 16%	17	17	16	16	17	17	18	19	19	20	21	21	22	23	23
Mackenzie Lake	- 12%	12	12	13	13	13	13	13	14	14	15	15	15	16	16	17
White River Lake	- 21%	23	21	18	18	18	19	19	21	22	25	27	15	17	17	18
Lake Alan Henry	- 84%	85	81	78	78	78	78	79	80	80	78	79	72	72	73	73

Products issued:

- Flash Flood Warnings - 0
- Flash Flood Statements - 0
- Flood Watches - 0
- Flood Statements - 0
- Hydrologic Statements - 0
- Hydrologic Outlook - 0

cc:mail: HIC/OH WGRFC ABRFC WFO's (AMA/MAF/SJT/ELP)
 cc: USGS (SJT/SPS) USCE (FTW/TUL) IBWC (ELP/Presidio) DPS-DEM Recovery

Appendix D – National Weather Service Form E-3

NWS FORM E-3 (5-71) (PRES. BY NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) Birmingham, AL (Calera)			
FLOOD STAGE REPORT		REPORT FOR: MONTH YEAR September 2004			
RIVER AND STATION	FLOOD STAGE (Feet)	ABOVE FLOOD STAGES (Dates)		CREST	
		FROM	TO	STAGE (Feet)	DATE
CAHABA RIVER Cahaba Heights Centreville	14 23	9/16 1700 9/17 1230	9/18 0330 9/18 1400	23.91 23.73	9/17 1100 9/18 0600
CATOMA CREEK US 331 Highway Bridge near MGM	20	9/17 1700	9/19 0630	22.39	9/18 1530
VILLAGE CREEK Avenue W Bridge in Ensley	10	9/16 1250	9/17 0250	13.58	9/16 2300

NWS FORM E-3
(571)
(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)
Lake Charles La

FLOOD STAGE REPORT

REPORT FOR:
MONTH YEAR
February 2005

RIVER AND STATION	FLOOD STAGE (Feet)	ABOVE FLOOD STAGES (Days)		CREST (Feet)	
		FROM	TO	STAGE	DATE
<u>Neches River</u>					
Town Bluff, TX	64	02/08/05	02/28/05	66.30	02/15/05
Beaumont, TX	4	02/13/05	02/17/05	4.40	02/15/05
<u>Pine Island Bayou</u>					
Sour Lake, TX	25	02/09/05	02/20/05	27.04	02/14/05
<u>Sabine River</u>					
Bon Weir, TX	30	02/10/05	02/10/05	30.35	02/10/05
Deweyville, TX	24	02/12/05	02/20/05	24.72	02/13/05
		02/25/05	02/28/05	24.11	02/28/05
<u>Calcasieu River</u>					
Glenmora, LA	12	02/05/05	02/22/05	14.26	02/14/05
		02/25/05	02/28/05	12.94	02/28/05
Oberlin, LA	13	02/11/05	02/19/05	15.05	02/17/05
Kinder, LA	16	02/13/05	02/16/05	16.82	02/15/05
		02/17/05	02/19/05	16.23	02/18/05
Old Town Bay	4	02/14/05	02/21/05	5.30	02/16/05
<u>Vermilion River</u>					
Carencro, LA	16	02/01/05	02/04/05	18.14	02/02/05
		02/14/05	02/15/05	16.43	02/14/05
Lafayette, LA – Surrey Street	10	02/01/05	02/02/05	10.16	02/02/05
		02/13/05	02/14/05	11.51	02/14/05
Broussard Bridge	7	02/01/05	02/02/05	7.75	02/01/05
		02/13/05	02/14/05	10.11	02/14/05

1

Appendix E - Monthly Hydrologic Activities Report

September 9, 2004

MEMORANDUM FOR: Ben Weiger
Chief Hydrologic Services Branch, SRH

From: Buzz Merchlewitz
Service Hydrologist, WFO Memphis

Through: James W. Duke
MIC, WFO Memphis

Subject: Hydro Activities Report for August 2004

Field work and travel this month:

August 3: Trip with DAPM to Lexington coop site. Visited the Hatchie River forecast point at Bolivar TN to update E-19 information.

August 9-13: LMRFC/Service Hydrologist workshop in Slidell, LA

August 25: Trip to Tishomingo County MS to survey some flash flooding and visit location where a flood fatality occurred in the southern part of the county.

August 27: Trip to Minter City MS to help DAPM relocate a coop station.

August 30-September 3: Advanced Hydrologic Applications course at the NWSTC.

I spent some time updating hydrobase and also trying to do some work with Damcat. I tried to do some dam break cross sections to update the Simplified Dam Break model. This is turning out to be a little more difficult than I first thought.

Met forecast shifts in August: 2