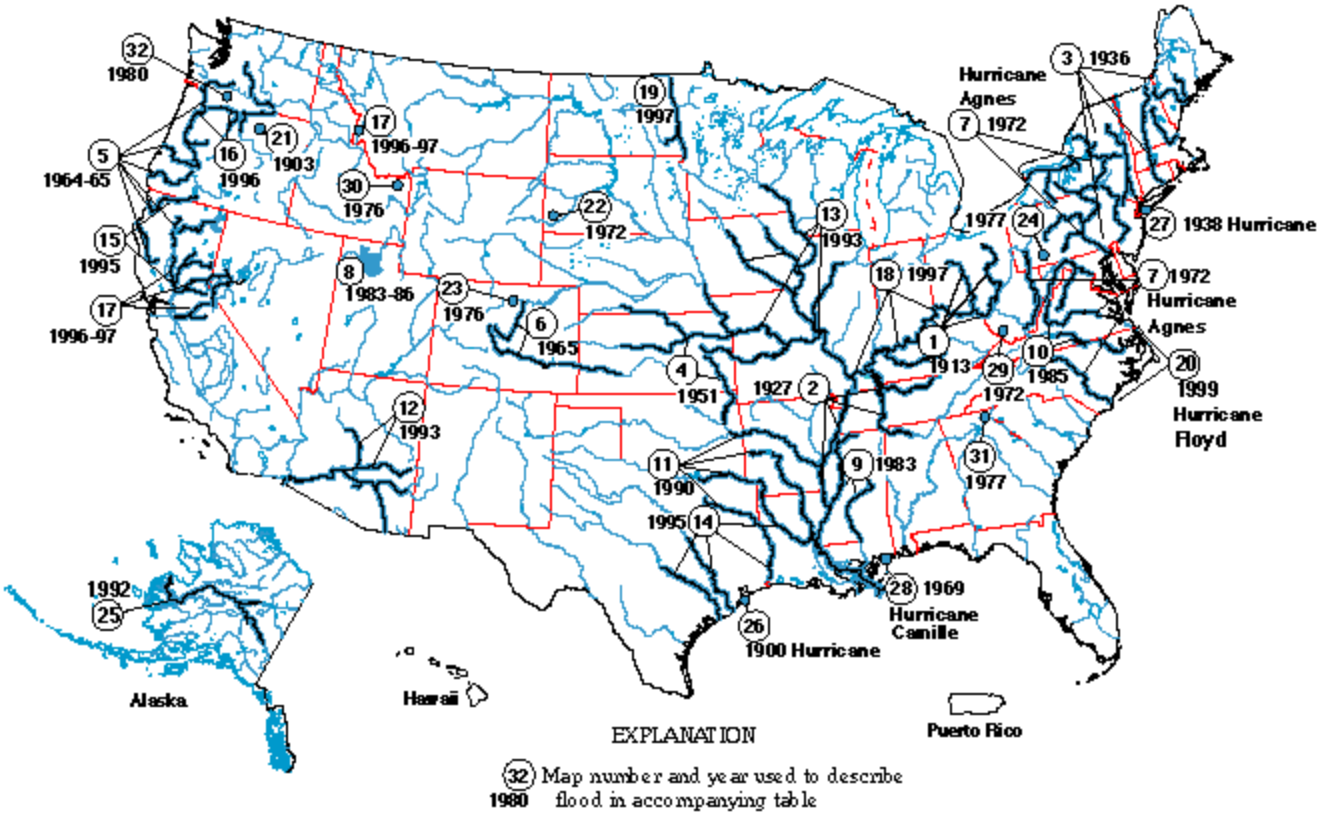
Significant Floods of the 20th Century

[M, million; B, billion]

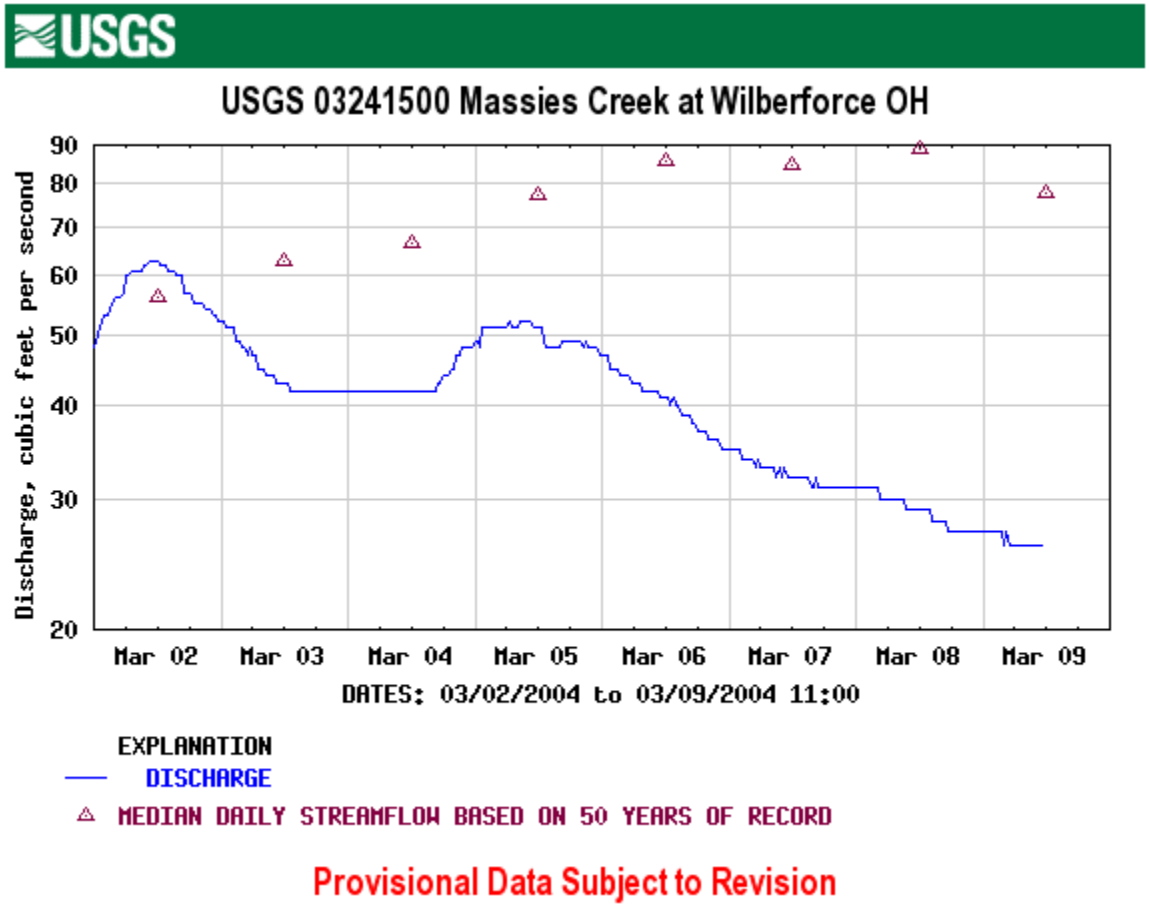
Flood type	Map no.	Date	Area or stream with flooding	Reported deaths	Approximate cost (uninflated)	Comments
Regional flood	1	Mar.–Apr. 1913	Ohio, statewide	467	$143M	Excessive regional rain.
	2	Apr.–May 1927	Mississippi River from Missouri to Louisiana	unknown	$230M	Record discharge downstream from Cairo, Illinois.
	3	Mar. 1936	New England	150+	$300M	Excessive rainfall on snow.
	4	July 1951	Kansas and Neosho River Basins in Kansas	15	$800M	Excessive regional rain.
	5	Dec. 1964–Jan. 1965	Pacific Northwest	47	$430M	Excessive rainfall on snow.
	6	June 1965	South Platte and Arkansas Rivers in Colorado	24	$570M	14 inches of rain in a few hours in eastern Colorado.
	7	June 1972	Northeastern United States	117	$3.2B	Extratropical remnants of Hurricane Agnes.
	8	Apr.–June 1983 June 1983–1986	Shoreline of Great Salt Lake, Utah	unknown	$621M	In June 1986, the Great Salt Lake reached its highest elevation and caused $288M more in property damage.
	9	May 1983	Central and northeast Mississippi	1	$500M	Excessive regional rain.
	10	Nov. 1985	Shenandoah, James, and Roanoke Rivers in Virginia and West Virginia	69	$1.25B	Excessive regional rain.
	11	Apr. 1990	Trinity, Arkansas, and Red Rivers in Texas, Arkansas, and Oklahoma	17	$1B	Recurring intense thunderstorms.
	12	Jan. 1993	Gila, Salt, and Santa Cruz Rivers in Arizona	unknown	$400M	Persistent winter precipitation.
	13	May–Sept. 1993	Mississippi River Basin in central United States	48	$20B	Long period of excessive rainfall.
	14	May 1995	South-central United States	32	$5-6B	Rain from recurring thunderstorms.
	15	Jan.–Mar. 1995	California	27	$3B	Frequent winter storms.
	16	Feb. 1996	Pacific Northwest and western Montana	9	$1B	Torrential rains and snowmelt.
	17	Dec. 1996–Jan. 1997	Pacific Northwest and Montana	36	$2-3B	Torrential rains and snowmelt.
	18	Mar. 1997	Ohio River and tributaries	50+	$500M	Slow-moving frontal system.
	19	Apr.–May 1997	Red River of the North in North Dakota and Minnesota	8	$2B	Very rapid snowmelt.
	20	Sept. 1999	Eastern North Carolina	42	$6B	Slow-moving Hurricane Floyd.
Flash flood	21	June 14, 1903	Willow Creek in Oregon	225	unknown	City of Heppner, Oregon, destroyed.
	22	June 9–10, 1972	Rapid City, South Dakota	237	$160M	15 inches of rain in 5 hours.
	23	July 31, 1976	Big Thompson and Cache la Poudre Rivers in Colorado	144	$39M	Flash flood in canyon after excessive rainfall.
	24	July 19–20, 1977	Conemaugh River in Pennsylvania	78	$300M	12 inches of rain in 6-8 hours.
Ice-jam flood	25	May 1992	Yukon River in Alaska	0	unknown	100-year flood on Yukon River.
Storm-surge flood	26	Sept. 1900	Galveston, Texas	6,000+	unknown	Hurricane.
	27	Sept. 1938	Northeast United States	494	$306M	Hurricane.
	28	Aug. 1969	Gulf Coast, Mississippi and Louisiana	259	$1.4B	Hurricane Camille.
Dam-failure flood	29	Feb. 2, 1972	Buffalo Creek in West Virginia	125	$60M	Dam failure after excessive rainfall.
	30	June 5, 1976	Teton River in Idaho	11	$400M	Earthen dam breached.
	31	Nov. 8, 1977	Toccoa Creek in Georgia	39	$2.8M	Dam failure after excessive rainfall.
Mudflow flood	32	May 18, 1980	Toutle and lower Cowlitz Rivers in Washington	60	unknown	Result of eruption of Mt. St. Helens.

Handout #1

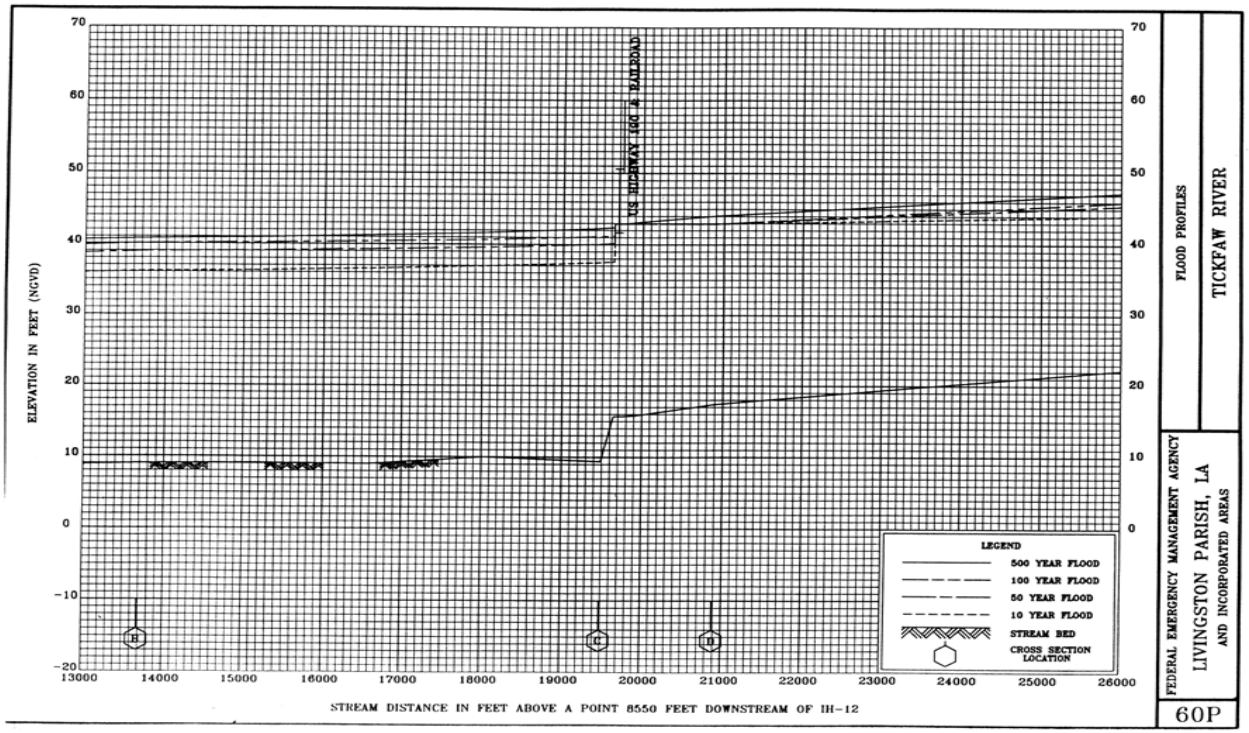

32
1980
5
1964-65
16
1996
21
1903
17
1996-97
30
1976
19
1997
22
1972
13
1993
15
1995
17
1996-97
8
1983-86
23
1976
6
1965
4
1951
1927
2
12
1993
11
1990
1995
14
9
1983
1
1913
18
1997
1977
24
3
1936
Hurricane
Agnes
7
1972
27
1938 Hurricane
7
1972
Hurricane
Agnes
29
1972
10
1985
20
1999
Hurricane
Floyd
31
1977
28
1969
Hurricane
Camille
26
1900 Hurricane
1992
25
Alaska
Hawaii
Puerto Rico
EXPLANATION
32
1980
Map number and year used to describe
flood in accompanying table

Handout #2

Water Resource Regions
Pacific Northwest
Souris Red Rainy
New England
Great Lakes
Missouri
Upper Mississippi
Mid Atlantic
Great Basin
Upper Colorado
Ohio
California
Lower Colorado
Arkansas-White-Red
Tennessee
Rio Grande
Lower Mississippi
South Atlantic Gulf
Hawaii
Texas-Gulf
Alaska
Carribean


USGS
USGS 03241500 Massies Creek at Wilberforce OH
Discharge, cubic feet per second
90
80
70
60
50
40
30
20
Mar 02
Mar 03
Mar 04
Mar 05
Mar 06
Mar 07
Mar 08
Mar 09
DATES: 03/02/2004 to 03/09/2004 11:00
EXPLANATION
DISCHARGE
MEDIAN DAILY STREAMFLOW BASED ON 50 YEARS OF RECORD
Provisional Data Subject to Revision

Handout #4



FLOOD PROFILES

TICKFAW RIVER

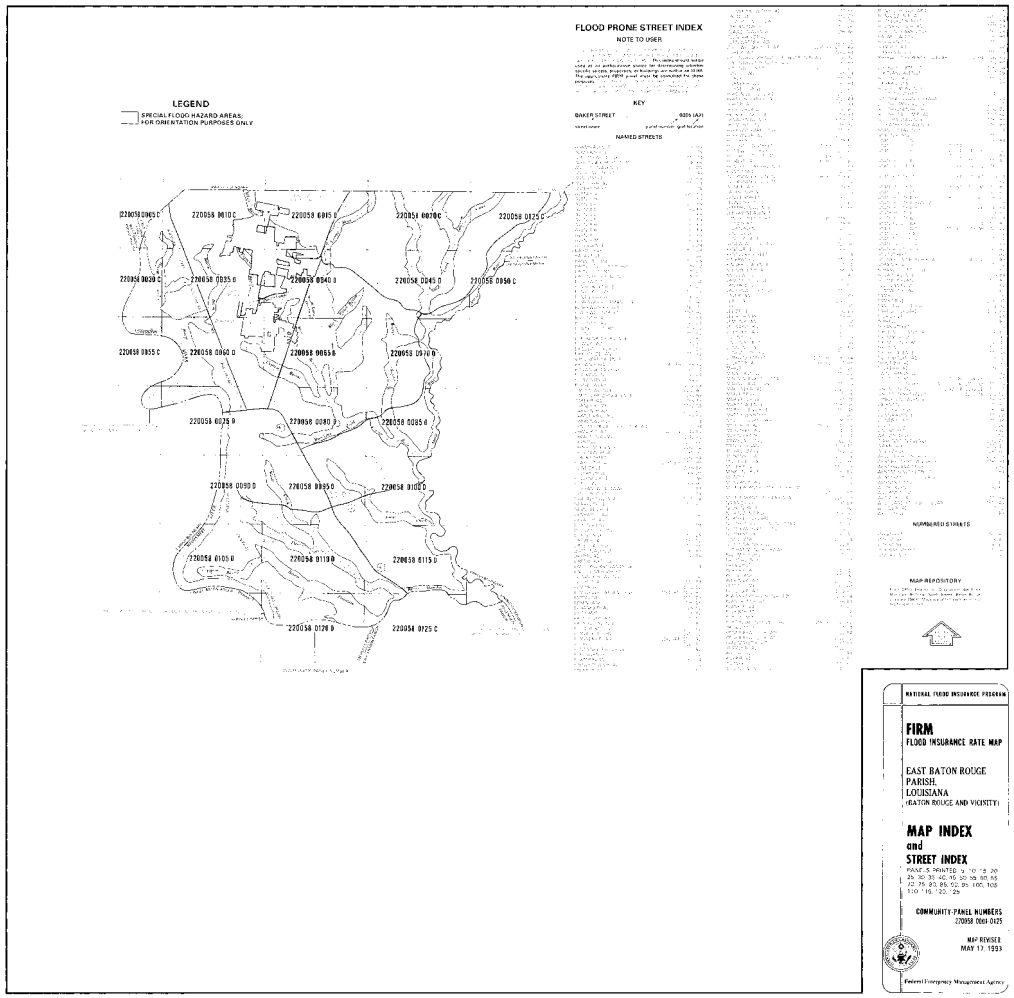
FEDERAL EMERGENCY MANAGEMENT AGENCY

LIVINGSTON PARISH, LA

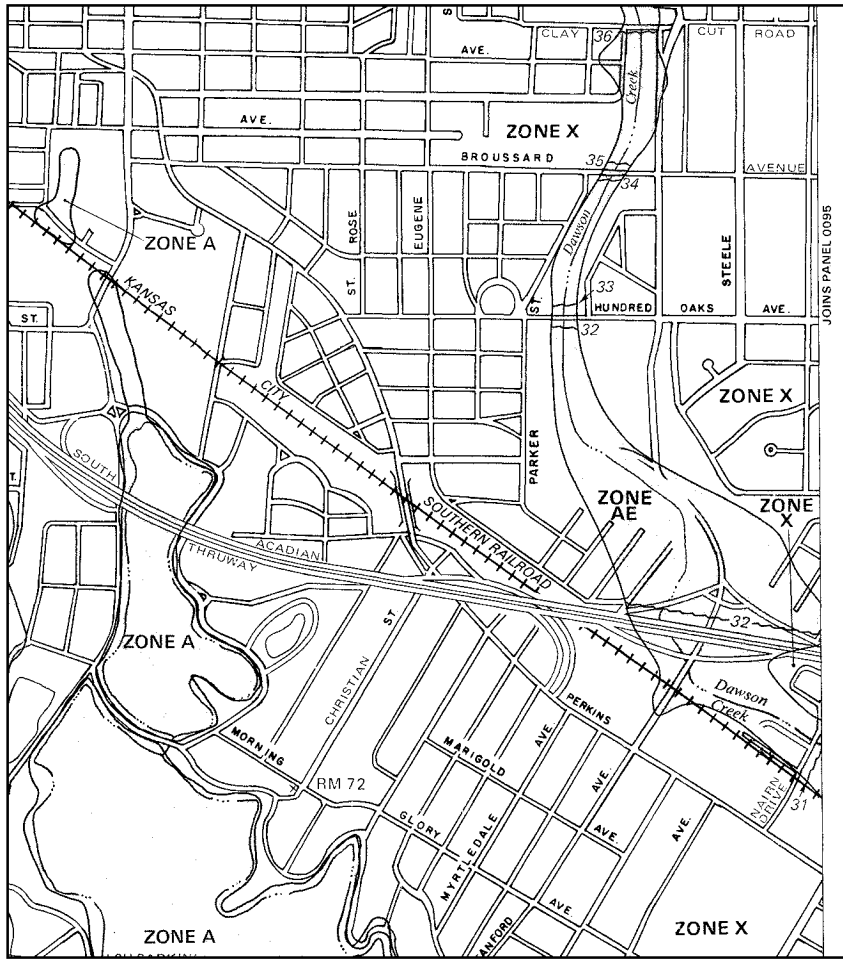
AND INCORPORATED AREAS

60P

Handout #5


FLOOD PRONE STREET INDEX
NOTE TO USER
KEY
NAMED STREETS
LEGEND
SPECIAL FLOOD HAZARD AREAS;
FOR ORIENTATION PURPOSES ONLY
NUMBERED STREETS
MAP REPOSITORY
NATIONAL FLOOD INSURANCE PROGRAM
FIRM
FLOOD INSURANCE RATE MAP
EAST BATON ROUGE
PARISH,
LOUISIANA
(BATON ROUGE AND VICINITY)
MAP INDEX
and
STREET INDEX
COMMUNITY-PANEL NUMBERS
220058 0001 0425
MAP REVISED
MAY 17, 1993
Federal Emergency Management Agency

Handout #6



APPROXIMATE SCALE

1200 0 1200 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

EAST BATON ROUGE PARISH, LOUISIANA

(BATON ROUGE AND VICINITY)

PANEL 90 OF 125

(SEE MAP INDEX FOR PANELS NOT PRINTED)

PANEL LOCATION

COMMUNITY-PANEL NUMBER
220058 0090 D

MAP REVISED:
MAY 17, 1993

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

Handout #7