

Brief Bibliography

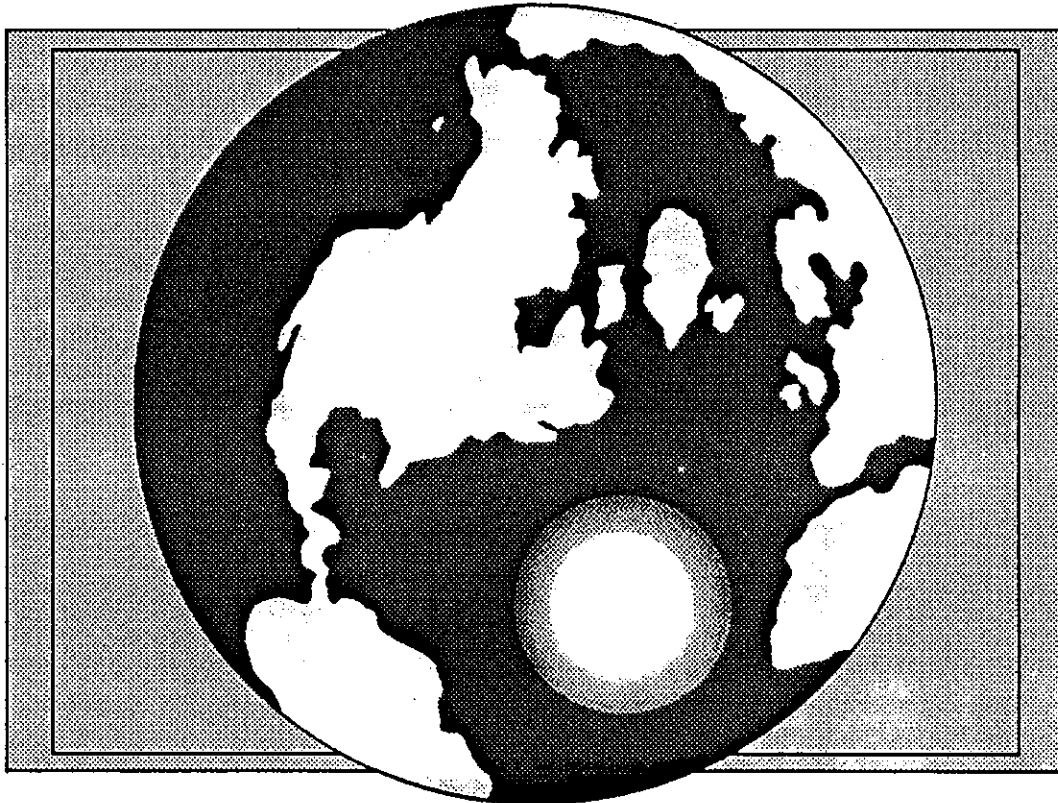
NATIONAL ENVIRONMENTAL SATELLITE,
DATA, AND INFORMATION SERVICE
Library and Information Services

April 1990

(90 - 4)



FLOODS



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Oceanographic Data Center

FLOODS

Floods outrank all other natural disasters in the United States. In an average year, 160 people die in flash floods alone, and annual flood-related property damages exceed 2 billion dollars.

The NOAA National Weather Service issues flood forecasts and warnings for over 3000 population centers along the country's major waterways. Every spring, the NOAA Central Library receives numerous inquiries concerning the nature and distribution of floods.

This brief bibliography provides a selected guide to the literature on floods. Most of the citations are to the recent literature but some older materials have been included from the extensive weather and climate collections of the library.

Current references were selected from Meteorological and Geostrophysical Abstracts, published by the American Meteorological Society, Boston, MA. The citations are in alphabetical order by author within each category.

Questions about this material may be addressed to: Reference Desk, NOAA Central Library, 6009 Executive Blvd., Rockville, MD 20852, or call (301) 443-8330. Suggestions for topics to be included in future issues of this bibliographic series are always welcome.

Distribution

Maddox, R. A.; Hoxit, L. R.; Canova, F.
Meteorological characteristics of heavy precipitation and flash flood events over the western United States.
Boulder, CO : NOAA, Environmental Research Labs., Atmospheric Physics and Chemistry Lab., 1980. 87 p. NOAA TM ERL APCL 23

Takeuchi, K.
Hydrological persistence characteristics of floods and droughts: interregional comparisons.
Journal of Hydrology (Amsterdam, Special Issue) 102(1/4):49-67, Sep. 30, 1988. (Hydrologic Research: The U.S.-Japan Experience)

World catalogue of very large floods : a contribution to the International hydrological programme.
Paris: UNESCO Press, 1976. 424 p.

Forecasting

Ahmad, M. I.; Sinclair, C. D.; Spurr, B. D.
Assessment of flood frequency models using empirical distribution function statistics.
Water Resources Research, Paper 7W5162. (Reprint available from American Geophysical Union, Wash. D.C., 20009.)

Collinge, V. K.; Kirby, C.
Weather radar and flood forecasting.
Chichester: Wiley, c1987. 296 p.

Committee on Techniques for Estimating Probabilities of Extreme Floods, Water Science and Technology Board, Commission on Physical Sciences, Mathematics, and Resources, National Research Council.
Estimating probabilities of extreme floods : methods and recommended research.
Washington, D.C.: National Academy Press, 1988. 141 p.

Fathauer, T. F.
A forecast procedure for coastal floods in Alaska.
Anchorage, AK : NOAA, NWS, 1978. 27 p. NOAA TM NWS AR 23

Fleming, E. L.; Spayd, L. E., Jr.
Characteristics of western region flash flood events in GOES imagery and conventional data. Technical memo.
Washington, D.C.: NOAA, NESDIS, Satellite Applications Lab. , Mar. 1986. 82 p. NOAA TM NESDIS 13

Georgakakos, K. P.
On the design of national, real-time warning systems with capability for site-specific, flash-flood forecasts.
American Meteorological Society, Boston, Bulletin, 67(10):1233-1239, Oct. 1986.

Georgakakos, K. P.
Real-time flash flood prediction.
Journal of Geophysical Research (Wash. D.C.) 92(D8):9615-9629, Aug. 20, 1987.

Hall, A. J.
Flash flood forecasting.
Geneva : Secretariat of the World Meteorological Organization,
1981. 38 p.

Haraguchi, P.
Forecasting floods in Hawaii (excluding Hawaii Island).
Honolulu : NOAA, NWS, Pacific Region, 1977. [33] p. NOAA TM NWS TM
PR 16

Hughes, L. A.; Longsdorf, L. L.
Guidelines for flash flood and small tributary prediction.
Kansas City, MO : NOAA, NWS, Central Region Headquarters, 1975. 8
p. NOAA TM NWS CR 58

Juying, X.; Scofield, R. A.
Satellite-derived rainfall estimates and propagation characteristics associated with the Mesoscale Convective Systems (MCSs). Technical memo.
Washington, D.C.: NOAA, NESDIS, Satellite Applications Lab. , May
1989. 56 p. NTIS #: PB89213417XSP; NOAA TM NESDIS 25

National Weather Service, et al]
Equipment for flood and flash flood warning systems.
[Silver Spring, MD] : NOAA, NWS: U.S. Dept. of the Army, Corps of
Engineers, Los Angeles District : Arizona Dept. of Water Resources,
Flood Warning Office, [1981], [412] p.

Scofield, R. A.
NESDIS operational convective precipitation estimation technique.
Monthly Weather Review, Boston, 115(8):1773-1792, Aug. 1987.

Sittner, W. T.
Determination of flood forecast effectiveness by the use of mean forecast lead time.
Silver Spring, MD : NOAA, NWS, Office of Hydrology, Aug. 1977. 22
p. NOAA TM NWS HYDRO 36

Smith, J. A.
Regional flood frequency analysis using extreme-order statistics of the annual peak record.
Water Resources Research, (Wash. D.C.) 25(2):311-317, Feb. 1989.

Significant Floods (U.S.)

The Big Thompson disaster : a collection of editorial and pictorial material concerning Colorado's tragic flash flood of July 31, 1976.
Loveland, CO: Lithographic Press, [1976?]. [80] p.

Chappell, C. F.; Rodgers, D. M.
Meteorological analysis of the Cheyenne, Wyoming, flash flood and hailstorm of 1 August 1985. Technical report.
Boulder, CO: NOAA, Environmental Research Labs., Forecast Systems
Lab., Dec. 1988. 56 p. NTIS #: PB89215560XSP; NOAA TR ERL 435 FSL1

Chappell, C. F.; Rodgers, D. M.
Meteorological analysis of the Cheyenne, Wyoming, flash flood and hail storm of 1 August 1985.
Boulder, CO : NOAA, Environmental Research Labs., Forecast Systems Lab., Analysis and Prediction Program, [1988]. 51 p. NOAA TR ERL 435 FSL1

The disastrous southern California and central Arizona floods, flash floods, flash floods, and mudslides of February 1980 : a report to the Administrator.
Silver Spring, MD : NOAA, NWS, [1982]. 134 p. (= Natural Disaster Survey Report NWS 81-1)

Edelen, G. W., Jr.
Floods of April 1979, Mississippi, Alabama, and Georgia.
Washington, D.C.: U. S. Geological Survey, 1986. 212 p.
(= Professional Paper 1319)

Fulbright, J.
Flood, Pennsylvania-1972.
Harrisburg, PA : TV Host, Inc., 1972. 63 p.

Glatfelter, D. R.; Chin, E. H.
Floods of March 1982 in Indiana, Ohio, Michigan, and Illinois.
Washington, D.C.: U. S. Geological Survey, 1988. 36 p.
(= Professional Paper 1467)

Hoxit, L. R. [et al.]
Meteorological analysis of the Johnstown, Pennsylvania, flash flood, 19-20 July 1977.
Boulder, CO : NOAA, Environmental Research Labs, Atmospheric Physics and Chemistry Lab., 1978. 71 p. NTIS #: PB297 412/9GA; NOAA TR ERL 401 APCL 43

National Oceanic and Atmospheric Administration.
Johnstown, Pennsylvania flash flood of July 19-20, 1977 : report to the administrator.
Rockville, MD : NOAA, 1977, 60 p. (= Natural Disaster Survey Report 77-1)

Runner, G. S.; Chin, E. H.
Flood of April 1977 in the Appalachian region of Kentucky, Tennessee, Virginia, and West Virginia.
Washington, D.C.: U.S. Govt. Print. Off., 1980. 43 p.

Schroeder, E. E.; Chin, E. H.
Floods in central Texas, Aug. 1-4, 1978.
Washington, D.C.: U. S. Geological Survey, 1987, 39 p. (= Professional Paper 1332)

General

American Meteorological Society
Second Conference on Flash Floods of the American Meteorological Society, March 18-20, 1980, Atlanta, GA.: [preprints].
Boston: American Meteorological Society, 1980. 258 p.

Baker, V. R.; Kochel, R. C.; Patton, P. C.
Flood geomorphology.
New York : Wiley, c1988. 503 p.

Hoxit, L. R.
Disaster by flood. In: Kessler, E. (ed.), **Thunderstorm in human affairs.** Norman : Univ. of Oklahoma Press, 1988. p. 19-36.
(Thunderstorms: a social, scientific, and technological documentary, vol. 1)

Padmanabhan, G.; Rao, A. R.
Maximum entropy spectral analysis of hydrologic data.
Water Resources Research, (Wash. D.C.) 24(9):1519-1533, Sep. 1988.

White, G. F.
Flood hazard in the United States: a research assessment.
[Boulder]: The University of Colorado, 1975. [144] p.