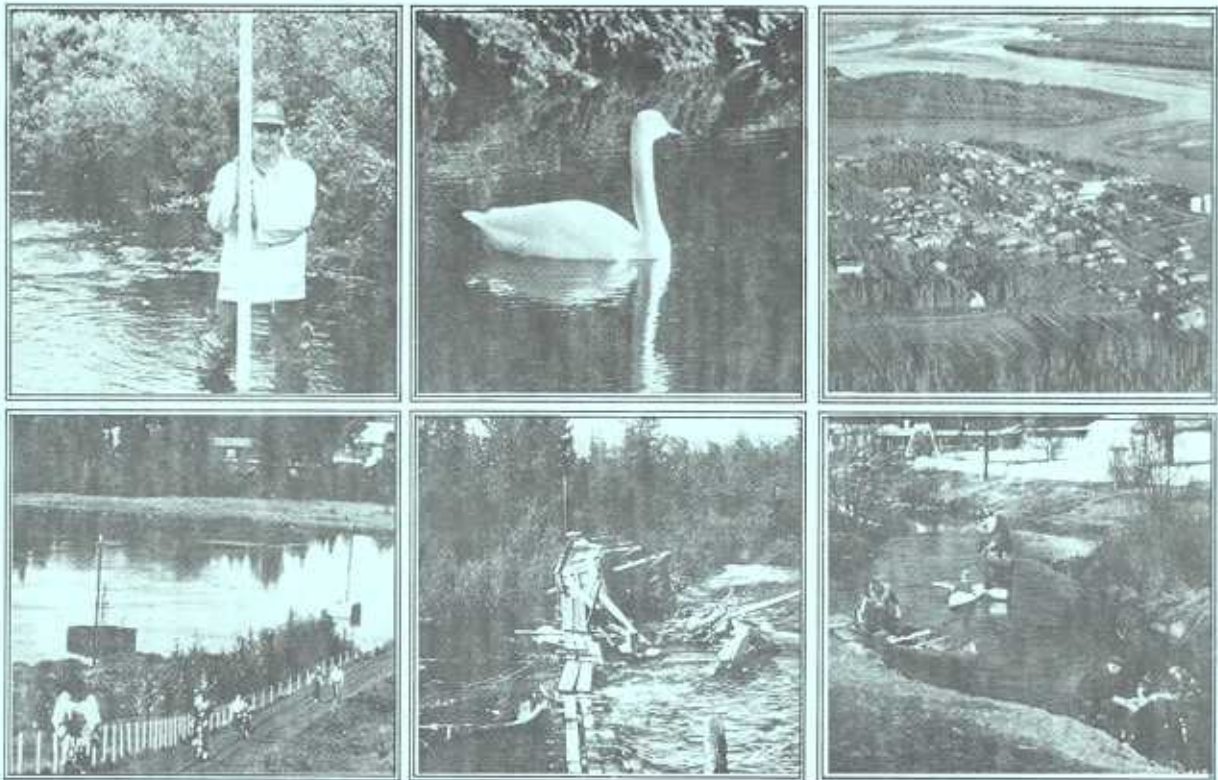


# Flood Data Bibliography for Alaska



# FLOOD DATA BIBLIOGRAPHY FOR ALASKA

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## Credits

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May 1982

## INTRODUCTION

This bibliography and resultant repository of information has been compiled to provide increased access to information on flooding, flood insurance, floodplain management and related hydrologic and geologic processes in Alaska. The bibliography includes references to mapped information, published documents, current research and water resource related study groups.

The Flood Data Bibliography for Alaska is part of a comprehensive program by the Division of Community Planning to enhance floodplain management and increase available information regarding flooding and flood hazard mitigation. This project involves collection of flood data into a central, accessible repository and increased distribution of information, in this case the Bibliography.

If a document is not available in the flood repository collection at the Division of Community Planning Anchorage office, then another library location is listed. Care has been taken to make this data source compatible with other systems so that updating and cross referencing is possible.

Section 1.0 lists national and regional reports related to multi-objective floodplain management and hazard mitigation techniques.

Section 2.0 lists reports dealing with structural and nonstructural information on flood control, elevating, designs, site analysis, flood proofing, emergency measures and flood damage prevention.

Users working with communities and boroughs in Alaska may find Section 3.1 helpful as a quick reference to available mapped flood hazard area. The scale and description of maps have been included as much as possible since the reliability of flood delineation mapping varies drastically.

Geologic processes such as coastal storm surge, augeis, glacial dammed lakes and techniques for flood frequency estimating are included in Section 4.0.

Section 5.0 includes historical flood reports and Section 6.0 includes studies by hydrologic boundaries or regions of the State.

National Flood Insurance Program informational documents are listed in Section 7.0.

Regulatory information, implementation guidance and policy documents are listed in Section 8.0 by national, Alaska State, communities and other states.

Section 9.0, Miscellaneous Water Resource Related Projects, Study Groups, Indexes, differs from other sections by providing an annotation of each project or water resource study group. Annotations may include: lead

agencies, principal contacts, project location, purpose, anticipated products and a study time framework. Section 9.0 Indexes refers to other water resource related guides, bibliographies, etc.

Where possible, cross references to other section references have been included.

New information is continually being published or revised about flooding. Any additional references that are found by users of this Bibliography are welcomed and should be sent to:

Department of Community & Regional Affairs  
Division of Community Planning  
225 Cordova Street, Building B  
Anchorage, AK 99501  
attention: State Coordinators Staff  
(907) 264-2206

## 1.0 FLOODPLAIN MANAGEMENT, FLOOD HAZARD MITIGATION

- 1.001 "A Unified National Program for Floodplain Management," WRC, July 1976 and September 1979.
- 1.002 "Coastal Environmental Management: Guidelines for Conservation of Resources and Protection Against Storm Hazards," FEMA, June 1980.
- 1.003 "Intergovernmental Management of Floodplains," University of Colorado, Institute of Behavioral Science, (M#30) 1980.
- 1.004 "Emerging Issues in Wetland/Floodplain Management," WRC, Sept. 1979.
- 1.005 "Strengthening State Floodplain Management," by the Association of State Floodplain Managers for the WAC.
- 1.006 "Extent and Development of Urban Floodplains," USGS, Circular 601-3, 1974.
- 1.007 "Flood Hazard Mitigation," National Science Foundation, September 1980.
- 1.008 "Floodplain--Handle With Care," COE, ED1105-2-4, March 1974.
- 1.009 "A Process for Community Floodplain Management - Summary Report," OWRT, April 1980.
- 1.010 "Report of the Floodplain Management Subcommittee to the Alaska Land Managers Cooperative Task Force" ALMTF, Floodplain Management Subcommittee, July 1979 (unpublished).
- 1.011 "Floodplain Management," Environmental Comment publication of the Urban Land Institute, June 1977.
- 1.012 "Floodplain Management Technical Report (No. 5)--On-Site Sewage Disposal in Flood Plain Areas," Minnesota Department of Natural Resources, December, 1974.
- 1.013 "Flood Hazard in the United States: A Research Assessment," Boulder: Institute of Behavioral Science, the University of Colorado, 1975, (#NSF-RA-E-75-006).
- 1.014 "Hazard Awareness Guidebook--Planning for What Comes Naturally," by Sally Davenport, Texas Coastal and Marine Council and Penny Waterstone, Natural Hazards Research Application and Information Center, Boulder, Colo. (Oct. 1979).
- 1.015 "Floodprone Areas and Land Use Planning; Selected Examples from San Francisco Bay Region," USGS Professional Paper 942.

- 1.016 "Coping with floods; The Land Use Management Paradox," Raymond Burby and Steven French, Journal of the American Planning Association, (July 1981) (12 pgs.).
- 1.017 "Benefit - Cost Analysis for Water System Planning," Charles W. Howe, Water Resources Monograph 2, American Geophysical Union (1971).
- 1.018 "The Water's Edge: The National Forum on the Future of the Floodplain with emphasis on open space and outdoor recreation - Issue Papers" sponsored by Bureau of Outdoor Recreation, League of Women Voters, National Association of Counties.
- 1.019 "Guidelines for Watershed Management," Food and Agriculture Organization Conservation Guide, (1977).
- 1.020 "Improved formulation and evaluation of nonstructural elements for water resources plans in flood hazard areas," consultant report by L. A. Shabman for WRC (Oct. 1979).
- 1.021 "Nonstructural floodplain management study: Overview," consultant report by Dr. Gilbert White for WRC (Oct. 1979).
- 1.022 "Options to improve Federal nonstructural response to floods," consultant report by Rutherford Platt for WRC (Dec 1979).
- 1.023 "Floodplain acquisition issues and options in strengthening Federal policy," consultant report by Jon Kusler for WRC (Oct. 1979).
- 1.024 "Multiobjective Water Resource Planning," David C. Major, American Geophysical Union, Water Resources Monograph #4 (1979).
- 1.025 "State and Local Acquisition of Floodplains and Wetlands - A Handbook on the use of acquisition in Floodplain management," Ralph M. Field Associates, Inc. for WRC (Sept. 1981).
- 1.026 "Floodplain; Management Handbook," Flood Loss Reduction Assoc. for WRC (Sept. 1981).
- 1.027 "Residential Storm Water Management, Objectives, principles and design considerations," published jointly by ULI, ASCE & NAHB, (March 1979).
- 1.028 "Residential Erosion & Sediment Control objectives, principles and design considerations," published jointly by ULI, ASCE & NAHB (1978).2.0

2.0 FLOOD CONTROL, FLOODPROOFING, FLOOD DAMAGE PREVENTION

- 2.001 "Economic Feasibility of Floodproofing - Analysis of a Small Commercial Building," FEMA, June 1979.
- 2.002 "Floodproofing Regulations," COE, (EP1165-2-314), June 1972.
- 2.003 "Elevated Residential Structures. Reducing flood damage through building design: A guide manual," HUD, FIA, February 1977.
- 2.004 "Elevating to the Wave Crest Level. A benefit: Cost Analysis," FEMA, July 1980.
- 2.005 "Flood Emergency and Residential Repair Handbook," FEMA, October 1979.
- 2.006 "Reducing Flood Damage - A Manual for Local Government Officials," prepared by the Governor's Task Force on Flood Control, Springfield, Illinois, June 1975.
- 2.007 "Flood Damage Prevention--An Indexed Bibliography," Tennessee Valley Authority, October 1976.
- 2.008 "A Handbook of Measures to Protect Water Resources in Land Development-Water Resources Protection Technology," Urban Land Institute, by J. Toby Tourbier and Richard Westmacott, 1981.
- 2.009 "Emergency Flood Information," Cooperative Extension Service, University of Alaska (April, 1971) (21 pgs.).
- 2.010 "A Review of the use of Non-Structural Measures in flood damage reduction activities of the Departments of Agriculture, Army and Interior," by Gerald Galloway for the WRC, (July 1980).
- 2.011 "Cooperative Flood Loss Reduction A Technical Manual for Communities and Industry " Flood Loss Reduction Assoc. for SEDA-Council of Governments and WRC (June 1981).
- 2.012 "Gravel Removal Guidelines Manual for Arctic and Subarctic Floodplain in Alaska."  
  
"Gravel Removal Studies in Arctic and Subarctic Floodplains in Alaska, Technical Report" Woodward-Clyde Consultants for U.S. Fish and Wildlife Service (June 1980).
- 2.013 "Site Selection Criteria & Evaluation Guideline" DOT/PF, (Nov. 1978).
- 2.014 "Design Guidelines for Flood Damage Reduction" AIA Research Corp. (Dec. 1980).



2.015 "Design & Construction Manual for Residential Buildings in Coastal High Hazard Areas," FEMA (Jan. 1981).

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"Special Flood Hazard Report Greater Anchorage Area: Campbell Creek," COE, (May 1975).

"Meadow Creek, Eagle River FPI," COE, April 1973.

"Peters Creek FPI," COE.

"Rabbit Creek FPI," COE.

"Glacier Creek, Girdwood FPI," COE, 1969.

"Floods in the Vicinity of Anchorage, Rabbit Creek," COE Brochure.

"Floodplain Development and Floodplain Regulations, Anchorage Area," Greater Anchorage Area Borough, April 1972.

"Flood Insurance Rate Maps (FIRMs) (effective September 5, 1979) and Flood Insurance Study (March 1979), Municipality of Anchorage," FIA.

Aniak. "Flood Hazard Boundary Map, City of Aniak," (effective September 5, 1978), FIA.

Barrow. (See North Slope Borough)

Bethel. "Bethel Flood Insurance Study," COE (Jan. 1975).  
"Bethel FPI Report," COE (Dec. 1968).

"Floods in Bethel on the Kuskokwim River," City of Bethel, (December 1968).

"Bethel Bank Stabilization DEIS," (April 1981).

Birch Creek. BLM Uncontrolled Flood Hazard Map, 1" = 50', (1966).

Loc. - ARL

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Buckland. (Unofficial) Flood hazard boundary, map withdrawn (FIA).

Chefornak. BLM Uncontrolled flood hazard map, 1" 50', (1967).

Loc. - ARL

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Loc. - ARL

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"Flood Hazard Boundary Map, City of Delta Junction (1977)," FIA.

"Preliminary FIRM and Flood Insurance Study," FEMA (May 1981).

SEE ALSO 4.009

Dillingham.

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"Coastal Erosion at Dillingham, Section 103 Reconnaissance Report," (June 1981) COE.

Elim. Preliminary flood hazard study, COE, (1975).

Eek. Townsite flood hazard, (Source unkown), 1"=200'.

Fairbanks.

"FPI Chena River, Fairbanks," COE (Nov. 1967).

"Fairbanks Flood Insurance Study," COE (May 1969).

"FIRM Fairbanks North Star Borough" FIA, revised Dec. 9, 1979; September 11, 1979; (November 4, 1980).

"Chena River Lakes Project, Final Supplemental Environmental Impact Statement," COE, (June 1980, draft March 1980). SEE ALSO 4.013

Fort Yukon. Preliminary Flood Insurance Study and FIRMs.

Galena. "Preliminary Flood Insurance Study and FIRM," (May 7, 1981), FEMA.

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Grayling.

Golovin. (Unofficial) Flood hazard boundary, map withdrawn. (FIA).

Haines. Flood Hazard Boundary Map, FIA (Aug. 22, 1975)

Hoonah. "FIRM City of Hoonah (April 1979) and Flood Insurance Study (Oct. 1978)," FIA.

Hooper Bay. (Unofficial) Flood hazard boundary (1974), map withdrawn (FIA).

Juneau, City and Borough.

"FPI Mendenhall River," COE, (June 1970).

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Take. (Unofficial) Flood hazard boundary (1976) map withdrawn (FIA).

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Kenai Peninsula Borough.

"FPI Kenai River," COE (1967).

"FPI, Kenai River Phase I," COE (June 1973).

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"FPI, Resurrection River and Salmon Creek, Seward, Alaska, COE, (June 1975).

"Flood-Prone Areas of Seward," USGS Brochure, (1975).  
"Flood Hazard Analyses, City of Homer," SCS, (September 1977).  
"Flood Boundary and Floodway Map, KPB," FIA (Preliminary)  
(November 16, 1979).  
"Flood Insurance Rate Map and Flood Insurance Study, KPB," FIA  
Proof Copy November 19, 1980, FIRM Effective date May 19, 1981.  
"Kenai Flood Hazard Study," SCS (1981).  
"Soldotna Flood Hazard Study," SCS (1981).  
"Seldovia and Homer Flood Insurance Studies," COE (March 1974;  
Update March 1975; Withdrawn May 12, 1975).

Ketchikan Gateway Borough.

"Floods on Whipple Creek, Ketchikan," COE Brochure  
"Floods on Hoadley Creek, Ketchikan," COE Brochure.  
"Floods on Ketchikan Creek, Ketchikan," COE Brochure.  
"FPI Carlanna Creek, Ketchikan," COE.  
"FPI Whipple Creek, Ketchikan," COE.

Kivalina.

Kodiak. "Special Flood Hazard Information Lake Bettinger  
Reservoir, City of Kodiak," COE (June 1976).

"Special Flood Hazard Information Monashka Creek Reservoir, City  
of Kodiak," COE (July 1978).

Kotlik. FHB, published 5-10-77, withdrawn 11-13-78.

Koyuk FHBM, published 12-24-76, withdrawn 11-13-78.

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Loc. - ARL

Lower Kalskag. Uncontrolled flood hazard map, 1" = 50', (1966)  
BLM.  
Loc. - ARL

Matanuska-Susitna Borough.

"Flood Plain Inventory Report Alaska Rivers Cooperative Study, Lower Little Susitna River and Little Willow Creek Susitna River Basin, Willow Subbasin." SCS of Forest Service in cooperation with DEC, DF&G, DNR, (Feb. 1980.)

"FPI Talkeetna, Susitna, Chulitna Rivers," COE.

"Talkeetna River Project, Final Environmental Impact Statement," COE, (Feb. 1975).

"Flood-Prone Areas of Matanuska Valley," USGS Brochure, (1975).

"Willow Creek Expanded Flood Plain Information Study; Hazard Identification; Flood Damage; Elevation; Environmental Concerns," COE (June 1980).

"FHBM for Matanuska-Susitna Borough," FIA (Jan. 1979) includes Bodenbug Butte, Palmer and Talkeetna.

"196 Mile, Caswell, Sheep, Goose, Montana, Answer and Birch Creeks - Flood Hazard Studies," SCS, (1981).

"Kroto, Rabideux, Trapper, and Peters Creeks - Flood Hazard Studies," SCS (1981).

"Troublesome, Byers and Honolulu Creeks, East and Middle Forks of Chulitna River - Flood Hazard Studies, SCS (1981).

"Kashwitna River, Wasilla, Cottonwood and Lucille Creeks - Flood Hazard Studies," SCS (1981).

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"McGrath Dock Feasibility Study," F&J Consultants (June 1981) for DOT/PF.

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Napaskiak. (Unofficial) Flood hazard boundary map, (May 1977) map withdrawn (FIA).

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New Kokukuk. Uncontrolled flood hazard map, 1" 50', (1968), BLM.

Loc. - ARL

New Stuyahok. Uncontrolled flood hazard map, 1" = 50', (1965), BLM.  
Loc. - ARL

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Loc. - ARL

Nome. "FHBM, August 1977," FIA "Preliminary FIRM and Flood Insurance Study," (Nov. 1980), FIA.

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North Slope Borough.

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Point Hope. Uncontrolled flood hazard map, 1" = 200', 1962, BLM, Loc. - ARL.

Port Graham. Uncontrolled flood hazard map, 1" = 100', 1967, BLM.  
Loc. - ARL

Russian Mission. (Unofficial) Flood hazard boundary maps, (May 1977) maps withdrawn (FIA).

Saint Mary's. (Unofficial) Flood hazard boundary map, (May 1977), maps withdrawn (FIA)

Savoonga. (Unofficial) Flood hazard boundary map, (May 1977) maps withdrawn (FIA).

Shaktoolik. (Unofficial) Flood hazard boundary map, (March 1977), map withdrawn (FIA).

Selawik. Uncontrolled flood hazard map, 1" 50', 1968, BLM.  
Loc. - ARL

Shishmaref. "Special Flood Hazard Report," COE (July 1976).

"Shishmaref Erosion Control Engineering Studies," Peratrovich & Nottingham, Inc. for DOT/PF (Jan 1982).  
Sitka, City and Borough. "FHBM for Sitka," FIA (June 1974).  
"Preliminary Flood Insurance Study and FIRMS," FEMA (1981).  
Skagway. "FHBM, FIRM and Flood Insurance Study, City of Skagway," FIA, (September 1976).  
Stebbins. Uncontrolled flood hazard map, 1" = 50', 1967, BLM.  
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Stony River. Uncontrolled flood hazard map, 1" = 50', 1967, BLM.  
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Tanunak. Uncontrolled flood hazard boundary map (1967) 1" = 50', BLM.  
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Teller. (Unofficial) Flood hazard boundary maps (Dec. 1976), maps withdrawn (FIA).  
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"Flood-Prone Areas of Valdez," USGS Brochure, 1975.  
"FPI, Mineral Creek Valdez," COE, (July 1976).  
"FIRMS (effective September 3, 1980) and Flood Insurance Study (March 1980)," FIA.  
Wales. (Unofficial) Flood hazard boundary map (July 1976), maps withdrawn (FIA).  
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"Preliminary Flood Insurance Study, and FIRMS," FIA (March 17, 1981).



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- 3.201 Ambler. A-4 Flood prone areas, 1974, USGS.
- 3.202 Beaver. A-4, A-5, B-1 Flood prone areas, 1974, USGS.
- 3.203 Black River. C-6 Flood prone areas, 1974, USGS.
- 3.204 Candle. D-5 Flood prone areas, 1974, USGS.
- 3.205 Eagle. D-1 Flood prone areas, 1974, USGS.
- 3.206 Holy Cross. C-3 Flood prone areas, 1974, USGS
- 3.207 Hughes. A-3 Flood prone areas, 1974, USGS.
- 3.208 Kateel River. C-1 Flood prone areas, 1974, USGS
- 3.209 Livengood. D-4, D-5, D-6, Flood prone areas, 1974, USGS
- 3.210 Nabesna. D-1, D-2 Flood prone areas, 1974, USGS
- 3.211 Nulato. B-5, B-6, C-5, D-4, D-5 Flood prone areas, 1974, USGS
- 3.212 Sleetmute. C-2, C-3, C-4, D-2, D-3, D-4, D-6, 1974, USGS
- 3.213 Talkeetna. A-1, A-2, A-3, A-4, B-1, B-2, B-3 Susitna River Stream Corridor Physiography, by Ken Dean, Northern Remote Sensing Laboratory, 1980
- 3.214 Tanacross. A-2, A-3, A-4, B-4, B-5 Flood Prone Areas, 1974, USGS
- 3.215 Tanana. A-5, B-1, C-1 Flood prone areas, 1974, USGS
- 3.216 Tyonek. B-2, C-1, C-2, D-1, D-2, D-3, D-4, D-5, D-6 Susitna River Stream Corridor Physiography, by Ken Dean, Northern Remote Sensing Laboratory
- 3.217 Valdez. A-6, A-7 Flood prone areas, 1974, USGS

### 3.3 Community Status Lists

- 3.301 "Alaskan Communities Flood Hazard and Pertinent Data," COE, Updated to May 1981.
- 3.302 "Communities Participating in the NFIP," HUD-FIA, Dec. 1976.

#### 4.0 GEOLOGIC PROCESSES

- 4.001 "The States and Natural Processes," Council of State Governments, (August 1979)
- 4.002 "Natural Hazards in the Alaska Environment: Processes and effects," JLUPC, (Nov. 1975)
- 4.003 "A Forecast Procedure for Coastal Floods in Alaska," NWS, NOAA Tech. Memo AR-23 (June 1978)
- 4.004 "Flood Characteristics of Alaskan Streams," USGS WRI-78- 129 (1979)
- 4.005 "Glacier Dammed Lakes and Outburst Floods in Alaska" USGS Hydrologic Investigations Atlas HA-455 (1971)
- 4.006 "Economics of Storm Protection," Lee Anderson and Christopher Kellogg, Delaware Sea Grant Technical Report (1976).
- 4.007 (Brochure) "Help Yourself--A discussion of the critical erosion problems and alternative methods of shore protection for Alaska." COE
- 4.008 "Storm Surge Climatology and Forecasting in Alaska," Arctic Environmental Information and Data Center, (August 1981)
- 4.009 "Identification of Flood Hazard Resulting from Aufeis information in an Alaskan Stream," by W.J. Stringer & T. H. George, Geophysical Institute for SCS. (Note study area was Jarvis Creek near Delta Junction.)
- 4.010 "Predicting Design Flows for Small Watercourses in Alaska," Douglas Kane, IWR for OWRT (Sept. 1980).
- 4.011 "Flood Frequency Estimation in Northern Sparse Data Regions," IWR - 55 (July 1974).
- 4.012 "Methods of Flood Flow Determination in Sparse Data Regions," IWR - 52 (June 1974)
- 4.013 "Effects of Thermal Discharge Upon a Subarctic Stream," IWR - 49 (June 1978).
- 4.014 "Modeling Snowmelt Runoff in an Arctic Coastal Plain," IWR - 43 (Jan. 1974)
- 4.015 "Facing Geologic and Hydrologic Hazards (Earth - Science Considerations)," USGS Professional Paper 1240-B (1981).
- 4.016 "A Theory of Aufeis and Streambed Erosion," Robert Carlson, IWR (1979).

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- 4.19 "Groundwater Pore Pressures Adjacent to Subarctic Streams," R.L. Kane IWR and C. Edward Bowers, University of Minnesota (1973).
- 4.20 "Physical Mechanics of Aufeis Growth," Douglas Kane IWR for Canadian Journal of Civil Engineering (1981).

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5.0 HISTORICAL FLOODING

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- 5.002 "Flood of August 1967 Fairbanks, Alaska" USGS Hydrologic Investigations Atlas HA-294 (1967)
- 5.003 "Floods of the Summer of 1971 in South-Central Alaska" USGS Open File Report by R. D. Lamke, (March 1972)

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6.0 HYDROLOGIC BOUNDARY AND REGIONAL STUDIES

- 6.001 "Lower Little Susitna and Willow Creek - Flood Plain Inventory Report" SCS (Feb. 1980)
- 6.002 "Willow-Expanded Flood Plain Information Study" COE (June 1980)
- 6.003 "Tanana Basin Overview. A Review of Water and Land Problems and Programs," AWSC and the Tanana Chiefs Conference, (1980).
- 6.004 "Anticipating Water and Related Land Resources Needs: The Final Report of the Southcentral Alaska Water Resources Study," (Dec. 1980) Level B Study.
- 6.005 "Alaska Regional Water Resources Management Plan Process Study," (Sept. 1980).
- 6.006 "Factors Affecting Water Management on the North Slope of Alaska," IWR Report No 19 (Feb.1972)
- 6.007 "Hydrologic Reconnaissance of the Noatak River Basin 1978," U.S.G.S. Water Resources Investigations Open - File Report 81-1005.
- 6.008 "Water Planning Guide for the Kotzebue Sound Region by Kathleen Wedemeyer and John D. Fox, IWR Report 81-18, (August 1981).
- 6.009 "Preliminary Results on the Structure and functioning of a Taiga Watershed," IWR - 101 (Nov. 1981).
- 6.010 "Hydrology of the Central Arctic River Basins of Alaska," IWR - 41 (Dec. 1973).

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- 7.0 NATIONAL FLOOD INSURANCE PROGRAM/FEDERAL EMERGENCY MANAGEMENT AGENCY
- 7.001 "Questions and Answers National Flood Insurance Program," FIA.
- 7.002 "Flood Insurance Manual," FIA, Jan. 1, 1981.
- 7.003 "Flood Insurance Manual," FIA, May 1978.
- 7.004 "The NFIP - A Model Ordinance for Implementation of Its Land Management Criteria," reprinted from Natural Resources Journal, University of New Mexico School of Law; Frank Maloney and Dennis Dambly (July 1976).
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- 7.005 "Statement of Work for Flood Insurance Studies," April, 1979; and "Guidelines and Specifications for Study Contractors," (Oct. 1977), FEMA.
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- 7.007 Miscellaneous Papers (Sept. 1981):
- . NFIP Distribution of Business Losses.
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  - . Coastal V Zone - comparison of annual premium charges.
  - . Coastal V Zone rating requirements (memo).
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- 7.008 NFIP Goals (outline papers from 1981 conference speech)
- 7.009 V-Zone Risk Factor Rating Form
- 7.010 NFIP Policies in Force other Key Statistical Data (June 1981)
- 7.011 State Summaries - State Assistance Program FY '80 and FY '81
- 7.012 Coastal flood Hazards and the NFIP, FIA (June 1977).

8.0 REGULATORY

8.1 National: Laws, Regulations, Implementation Guidance

- 8.101 "Regulation of Flood Hazard Areas to Reduce Flood Losses" Vol. One Parts I-IV incl. Vol. Two Parts V-IV, WRC (1971)
- 8.102 "A Perspective on Floodplain Regulations for Flood Plain Management," COE, (June 1976)
- 8.103 "Guide for Ordinance Development," Community Assistance Series, Four Volumes corresponding to 1910.3 of the NFIP Regulations, FIA (1978-1979).
- 8.104 "Coordination During Flood Insurance Studies," Community Assistance Series, FIA, Volume No. 2.
- 8.105 "Entering the Regular Program," Community Assistance Series, FIA, Volume No. 3.
- 8.106 "The Floodway: A Guide for Community Permit Officials," Community Assistance Series, FIA, Vol. No. 4.
- 8.107 "Regulations for Floodplains," Planning Advisory Service Memos published by the American Society of Planning Officials, Report No. 277, (Feb. 1972).
- 8.108 "Evaluation of the Economic, Social and Environmental Effects of Floodplain Regulations," HUD by Sheaffer and Roland, Inc. (Feb. 1979).
- 8.109 "Floodplains and Wetlands Selected Cases," Kusler, Jon A. and Platt, Rutherford H. for FEMA in conjunction with the American Bar Association's institated entitled: Floodplains and Wetlands: Legal Constraints and Options, (Jan. 1981).
- 8.110 "Participant's Manual for Floodplains and Wetlands: Legal Constraints and Options Institute," sponsored by American Bar Association's Committee on Housing and Urban Development Law, (Jan. 1981).

8.2 Alaska State: Laws, Regulations, Policy

- 8.201 "Governor's Administrative Order #46: State Coordination and Participation with the Federal Insurance Administration," (January 24, 1978).
- 8.202 "Organizing for Cooperative Water Resource Development in Alaska," DNR, Stephen Mack, Open File Reference Report 80-1, (December, 1980).

8.3 Alaska Communities: Regulations, Implementation Guidance

- 8.301 "Model Floodplain Ordinance and Amendment Package," DCRA (July 1977)
- 8.302 Anchorage - Floodplain Regulations (Sept. 1980)
- 8.303 Anchorage - A Study of Floodplain Development and Regulations (April 1972)
- 8.304 Bethel - National Flood Program Regulations (Dec. 1976)
- 8.305 Cordova - Flood Protection Regulations (Sept. 1980)
- 8.306 Dillingham - Floodplain Regulations (Nov. 1979)
- 8.307 Ketchikan - Flood Plain Zone (May 1975)
- 8.308 Kotzebue - Flood Hazard District (June 1975)
- 8.309 Mat-Su Borough - Flood Hazard Use Districts, (Dec. 1979)
- 8.310 Nome - Flood Hazard Area Regulations
- 8.311 Fairbanks - Title 15 Building and Construction, Chapter 15.04 Flood Plain Building Regulations, (April 15, 1975)
- 8.312 Juneau - Ordinance of the City and Borough of Juneau 81-19 Providing for Comprehensive Land Use Within Areas Subject to Flood Hazards and Adopting Maps Identifying Areas Subject to Flood Hazards
- 8.313 Nenana - Ordinance of the City of Nenana Establishing Land Use Regulations to Conform to Requirements of the National Flood Insurance Program, 75-1A
- 8.314 Skagway - City of Skagway, AK, Ordinance 78-2. An Ordinance Establishing Land Use Regulations to Conform to the Requirements of the National Flood Insurance Program (Feb. 7, 1978)
- 8.315 Valdez - Zoning Ordinance - 1980

8.4 Other Regulatory Information Other States

Arizona. Scottsdale Floodplain Management Ordinance; Indian Bend Wash flood control project; Community relocation project information.

Arkansas. "Floodplain Management: an Arkansas Perspective."



"NFIP - A Guide for Communities" (Oct. 1981), Arkansas Soil & Water Conservation Commission.

California. Brochure - Floods and Floodplain Management

Cobey - Alquist Floodplain Management Act; information and regulations for the administration of the Act.

San Diego County Floodplain Regulations

British Columbia.

"Floodproofing New Residential Buildings in British Columbia."

Colorado.

"Manual for Local Governments--Floodplain Management, Flood Control and Flood Disaster Programs," Colorado Water Conservation Board, (June, 1976).

"Colorado Model Floodplain Regulation and Executive Order, Colorado Water Conservation Board."

Flood Warning System, Boulder County, Colo. (April, 1981)

"Manual for estimating flood characteristics of natural-flow streams in Colorado."

Florida.

"Flood Emergency Evacuation Plan of Study," Tampa Bay Region, Florida COE (September, 1979).

"Regional Disaster Preparedness Needs Study," Tampa Bay Regional Planning Council, (June, 1979).

Idaho. Stream Channel Protection Act of 1971.

Illinois.

"NFIP Program Summary, Local Assistance (Series 2A)," Illinois Dept. of Transportation (March, 1979).

"NFIP Local Government Application Procedure, Local Assistance (Series 2B), Illinois DOT (March, 1979).

"Ideas for Protecting Your House from Flood Damage," Illinois, DOT.

"Report on City of Willmington's Floodplain Program," Illinois DOT, (July, 1979).

Maine. "The Flood Insurance Program," Maine State Planning Office (Jan. 1980).

Michigan.

"The NFIP--Guidelines for Floodplain Management," Michigan Department of Natural Resources, (April, 1978).

Various papers: 1) Interrelationship of Michigan Flood Plain statutes and the NFIP; 2) State statutes, general rules, subdivision rules; 3) Executive Order--State Flood Hazard Management Plan; 4) Procedures for delineating floodplains; 5) Standards for technical review of floodplain delineation studies; 6) Hydraulic reports.

Minnesota.

"A Guide for Buying Shoreland," Minn. DNR, (Nov. 1978).

"Reducing Flood Damage by Acquisition and Relocation: The Experiences of 4 Minnesota Communities," Minn. DNR.

"A Handbook for Local Governments, Natural Disaster Assistance."

"Field Surveys for Flood Hazard Evaluation," Technical Report # 1 (1971).

Minnesota Water Resources Management Regulatory Programs-- Summary paper.

"Use of Experienced Data in Floodplain Regulation," Technical Report #4.

"On Site Sewage Disposal in Floodplain Areas," Tech. Paper #5.

"Sample Subdivision Control Ordinance" (Sept 71).

"Minnesota Floods - 1972 Costs, Programs & Policy Implementations"

"Floodproofing Administrative Manual" 1977.

Statewide standards & criteria for management of flooplain areas of Minnesota, 1970.

Mississippi. "Flash Flood Warning Planning Guide," Mississippi Emergency Preparedness Office (June, 1978).

Montana

Floodway Management & Regulation Act, Administrative Rules and model county regulations for implementation.

Nebraska. "Floodplain Regulation Program," (July 1968).

New Hampshire. "Flood Insurance Handbook," Office of Disaster Preparedness Planning, (1978).

Oklahoma. Flood Management Act (1979).

Oregon.

"Floodplain Management for Oregon Cities and Counties," University of Oregon and Oregon Water Resources Board (1971).

"Oregon's Flood Plains: A Status Report and Proposed Flood Plain Management Program," Oregon Water Resources Board (Dec., 1972).

Pennsylvania.

"Flash Flood Warning Handbook," Penn. Emergency Management Agency.

Pennsylvania's Floodplain Management Act Summary, various newsletters.

Suggested Single Purpose Flood Plain Management Ordinance;

Suggested Provisions to be used in Building Codes;

Suggested Provisions to be used in Subdivision and Land Development Ordinances;

Suggested Provisions to be used in Zoning Ordinances. all Planning Services Division, (Sept. 1978).

Virgin Islands. "Surviving the Storm" newspaper supplement.

Washington

Flood Control Laws of 1971

Shoreline Management Planning in Washington State.

Wisconsin.

"Flood Plain Regulation Administration Manual," Wisc. DNR,  
(Jan. 1978).

"Wisconsin's Floodplain--Shoreland Management Programs,"  
Wisc., DNR (1977).

"Statutory Land Use Control Enabling Authority in the Fifty  
States, Special Reference to Flood Hazard Regulatory  
Authority," HUD, (1975).

SEE ALSO: 2.006

9.0 MISC. WATER RESOURCE RELATED PROJECTS; STUDY GROUPS; INDEXES

9.1 Ongoing Proposed Projects

A Study of Coastal Flooding by Storm Surges and Development of Objective Forecasting Procedures in Alaska, by AEIDC, Jim Wise principal investigator; fall 1981 scheduled completion. (See 4.008)

Floodplain mapping of Arctic Coastal Plain for North Slope Borough, to include the Colville, Kuparuk, Sagavanirktok, Shaviovik, and Canning Rivers; by Mineral

Industry Research Laboratory, Univ. of AK. Fairbanks, P. Jan Cannon, Principal investigator; Fall 1981.

Dillingham Shore Erosion Study, Corps of Engineers.

Southcentral Water and Land Resources Study (Level B), Dick Dworsky, project manager.  
Susitna Hydropower Studies, Alaska Power Authority (ongoing).

"A survey of questions and concerns pertaining to instream flow aspects of the Proposed Susitna Hydroelectric Project; a working document for preparation of an instream flow plan," by Linda Perry Dwight, E. Woody Triley for Acres American Inc. (May 1, 1981).

"Susitna Regional Flood Frequency Peak Analysis," R. Carlson for Acres American (7-01-81)

Field Study of flood related geological and botanical trends on floodplains; proposed by Ken Dean, Northern Remote Sensing Laboratory, University of Alaska. (One year duration).

Geohazard assessment (high ground water, ice content) mapping at 1:63,360 scale within the 1:250,000 scale Beechy Pt. U.S.G.S. Quad, 2 year project by DGGs.  
Preliminary Water Report from the Sagavanirktok River (UGGS).

Preliminary Water Data Report from the Putuligayuk River.

Preliminary Water Data Report from the Kobuk River (UGGS).

Reconnaissance Water Survey of the Kulik River (UGGS).

Reconnaissance Hydrological Report for the Kuskokwim, South Fork and Big River (DGGs).

Report on the flooding potential on the Chakachatna and Beluga River (DGGs).

Nushagak/Wood River Flood Hazard Reports (SCS-DGGS).

Togiak River Reconnaissance Report (DGGS).

Water Data Reports for Harding Lake; Nome, Kuzitrin, Koyukuk and Jim River; Caribou Creek; Hess Creek; Wiseman Creek; and Delta Clearwater.

Report on Natural Hazards Legislation for Alaska (DGGS).

Tanana River Basin Study, (DNR Northcentral District - SCS).

Floodplain Management Policies for Alaska (DCP).

Floodplain Management Model Ordinance for compliance with the Regular Program Phase of the NFIP (DCP).

Floodplain Management Handbook for Alaska Communities (DCP).  
Stream Gauge Instalations proposed for FY82 by DGGS and USGS include:

Sagavanirtok River  
Putuliguyak River  
Kobuk River  
Nome River  
Kuzitrin/Pilgrim Rivers  
Koyukuk River  
Caribou Creek  
Hess Creek  
Jim River  
Wiseman Creek  
Delta Clearwater  
Kuskokwim River  
Klehini River

## 9.2 . Study Groups/Flood Information Sources

Alaska Water Study Committee--Multiagency study group formed for Level B and State "208" Water management program coordination and review.

State Water Policy (Working) Group--an ad hoc committee of State agency representatives coordinating water resource related activities, including floodplain management.

Association of State Flood Plain Managers--nationwide association made up of state coordinators for the NFIP.

"State Contacts - (mailing list) NFIP," (Rev. Sept. 1981), FEMA.

National Weather Service, River Information and Forecast Center has flood histories for most of the major rivers in the state and accumulated data on river station gauges.

Department of Natural Resources, Water Resources Section and Division of Geological and Geophysical Surveys.

### 9.3 Indexes

"Sources of Wetlands/Floodplain Research Information," WRC, October 1980.

"A Selected, Annotated Bibliography of Floodplain Management Literature for State and Local Officials," Natural Disaster Recovery and Mitigation Referral Services. The Academy for Contemporary Problems, Oct. 1980 (4 pgs.).

Computer printout of flood hazard references taken from Alaska Coastal Bibliographic Data Base, Arctic Environmental Information and Data Center, (search performed January 1981).

Alaska Natural Resource Databases, prepared by the Database Committee of the CONRIM.

Data Base Survey for Alaska Land and Resource Management.

"A Selected, Annotated Bibliography of Coastal Zone Management Literature for State and Local Officials," Natural Disaster Recovery and Mitigation Resource Referral Service, The Academy for Contemporary Problems, Feb. 1981, (7 pgs.).

"Sources of Wetlands/Floodplain Research Information." WRC, (October 1980)

"A Selected, Annotated Bibliography of Floodplain Management Literature for State and Local Officials," Natural Disaster Recovery and Mitigation Referral Services. The Academy for Contemporary Problems, (Oct. 1980) (4 pgs.).

### 9.4 Miscellaneous Listings

"Emergency Management - A Mayor's Manual" U.S. Conference of Mayors.

"Hydrologic Properties of Subarctic Organic Soils," IWR - 88, (Jan. 1978)

"Snowmelt Infiltration into Seasonally Frozen Soils" D.L. Kane, IWR for Cold Regions Science and Technology (1980)

"Snowmelt Infiltration and Movement in Frozen Soils" D.L. Kane IWR for OWRT.

"Groundwater Recharge in Cold Regions," D.L. Kane, for the Northern Engineer. Vol. 13, No. 3.

SEE ALSO

2.007, 3.301



## ABBREVIATIONS

Loc.	Indicated location other than the Anchorage office, Division of Community Planning where document can be located.
DCRA, DCP	Department of Community and Regional Affairs
DCP	Division of Community Planning
COE	Corps of Engineers
USGS	U.S. Geologic Survey
ARL	Alaska Resources Library, (Federal Building - Anchorage)
AEIDC	Arctic Environmental Information and Data Center
JLUPC	Joint Federal-State Land Use Planning Commission
WRC	U.S. Water Resources Council
NFIP	National Flood Insurance Program
FIA (and FIHM)	Federal Insurance Administration became the Federal Insurance and Hazard Mitigation division within FEMA as part of a Presidential reorganization effective April 1, 1979.
FEMA	Federal Emergency Management Agency
ALMCTF	Alaska Land Manager's Cooperative Task Force
OWRT	Office of Water Resource Technology
HUD	U.S. Department of Housing and Urban Development
AWSC	Alaska Water Study Committee
FPI	Flood Plain Information reports
SCS	U.S. Soil Conservation Service
FIRM	Flood Insurance Rate Map published by FIA

FHBM Flood Hazard Boundary Map published by FIA  
IWR Institute of Water Resources, University of Alaska  
ULI Urban Land Institute  
ASCE American Society of Civil Engineers  
NAHB American Association of Home Builders  
American Institute of Architects

# Flood Data Bibliography for Alaska