

APPENDIX C

SOURCES OF ASSISTANCE

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State

Most states have floodplain management assistance programs consisting of services offered by different agencies and other entities within the state. The central agency is usually the one that has been designated by the governor to coordinate the National Flood Insurance Program for the state—in North Carolina the Division of Emergency Management. This agency is a good source of information not only about its own services, but also concerning the assistance that can be obtained from other state, federal, and regional entities. It may also be able to provide some contacts for assistance offered by the private sector. It should be the first point of contact for a community seeking outside assistance. Other agency-specific assistance is available as outlined below.

Department of Crime Control and Public Safety, Division of Emergency Management

The Division of Emergency Management is responsible for protecting North Carolinians from the effects of disasters, both natural and human induced. The division offers assistance to local officials through the state office and three branch offices and coordinates with local governments to develop emergency action plans for such hazards as chemical spills, fires, floods, tornadoes, hurricanes, and nuclear incidents. The division responds to disasters and coordinates assistance, including federal assistance through the Federal Emergency Management Agency following federally declared disasters. The NFIP Branch administers flood-related programs, including the National Flood Insurance Program, Community Rating System, and Flood Mitigation Assistance. The NFIP staff provides technical assistance and training opportunities to local governments officials, citizens, surveyors, engineers, architects, lenders, and insurance agents.

Contacts: State NFIP Coordinator, 116 West Jones Street, Raleigh, NC 27603-1335. Telephone: (919) 733-5392. Fax: (919) 715-5408.

Eastern Branch, 5601 Highway 264 West, Washington, NC 27889.
Telephone: (919) 946-2773. Fax: (919) 946-1085.

Central Branch, Butler Public Safety Building, 611 Central Avenue,
Butner, NC 27509. Telephone: (919) 575-4122. Fax: (919) 575-6339.

Western Branch, 3305-15 16th Street, Conover, NC 28613.
Telephone: (704) 466-5555. Fax: (704) 466-5578.

Department of Commerce, Division of Community Assistance

The Division of Community Assistance (DCA) in the North Carolina Department of Commerce assists local governments across the state with community development, economic development, growth management, and downtown revitalization. The division provides assistance through the Small Cities Community Development Block Grant (CDBG) program, the Main Street program, and the Local Government Assistance program. Services are free; however, local governments are asked to reimburse travel and supply costs.

Planners in DCA regional offices assist local governments with their planning and management needs. Services include strategic planning for economic and community development, downtown revitalization planning, group facilitation for boards and commissions, and technical assistance with growth management issues including land use plans, zoning, and subdivision ordinances.

DCA planners are available to help local communities address a variety of floodplain management needs and issues, including advice on the best ways to integrate floodplain management into broader planning perspectives.

Division of Community Assistance regional offices and contacts are shown on the map following this page.

Department of Cultural Resources, Division of Archives and History

The National Register listings in North Carolina can be accessed through the State Historic Preservation Office (SHPO) website at www.hpo.dcr.state.nc.us and in a statewide GIS database maintained by the Center for Geographic Information and Analysis. Information on eligible sites must be obtained from the SHPO.

Department of Environment and Natural Resources (DENR), Environmental Permit Information Center

The Environmental Permit Information Center (EPIC) within the Department of Environment and Natural Resources (DENR)

**Regional Offices
Division of Community Assistance
North Carolina Department of Commerce**

Asheville

Alan Lang, Chief Planner
46 Haywood St., Suite 401
Asheville, NC 28801
(704) 251-6914
Fax (704) 251-6918
alangi@asheville-dca.commerce.state.nc.us

Winston-Salem

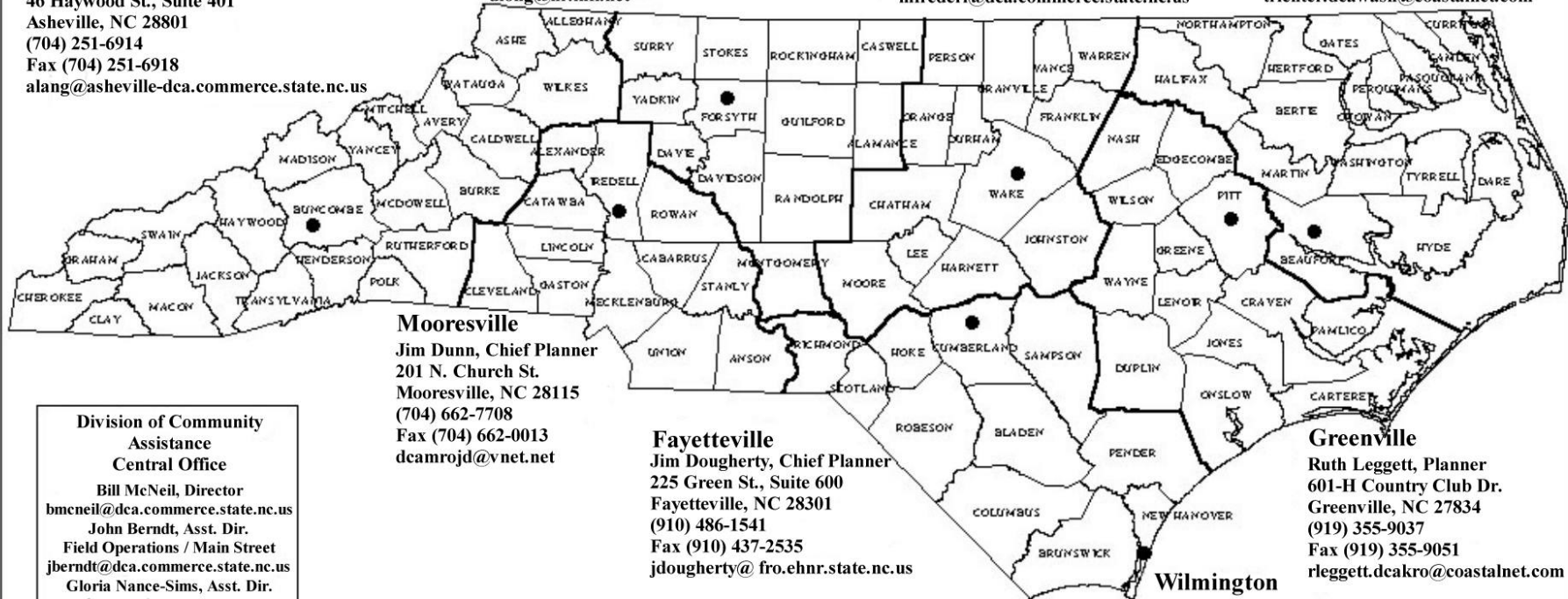
David Long, Chief Planner
8025 North Point Blvd., Suite 256
Winston-Salem, NC 27106
(910) 896-7050
Fax (910) 896-7052
dlong@nr.infi.net

Raleigh

Marianne Frederick, Chief Planner
1307 Glenwood Ave., Suite 250
Raleigh, NC 27605
(919) 733-2850
Fax (919) 733-5262
mfrederi@dca.commerce.state.nc.us

Washington

Tom Richter, Chief Planner
P.O. Box 850
Washington, NC 27889
(919) 974-1308
Fax (919) 974-2900
trichter.dcawash@coastalnet.com



Mooresville

Jim Dunn, Chief Planner
201 N. Church St.
Mooresville, NC 28115
(704) 662-7708
Fax (704) 662-0013
dcamrojd@vnet.net

Fayetteville

Jim Dougherty, Chief Planner
225 Green St., Suite 600
Fayetteville, NC 28301
(910) 486-1541
Fax (910) 437-2535
jdougherty@fro.ehnr.state.nc.us

Greenville

Ruth Leggett, Planner
601-H Country Club Dr.
Greenville, NC 27834
(919) 355-9037
Fax (919) 355-9051
rleggett.dcakro@coastalnet.com

Wilmington

Tom Cassell, Chief Planner
127 Cardinal Drive Ext.
Wilmington, NC 28405
(910) 350-2002
Fax (910) 350-2004
cassell@wiro.ehnr.state.nc.us

**Division of Community Assistance
Central Office**
Bill McNeil, Director
bmneil@dca.commerce.state.nc.us
John Berndt, Asst. Dir.
Field Operations / Main Street
jberndt@dca.commerce.state.nc.us
Gloria Nance-Sims, Asst. Dir.
Community Development
gnsims@dca.commerce.state.nc.us
1307 Glenwood Ave., Suite 250
Raleigh, NC 27605
(919) 733-2850



was established to serve as a single point of contact for environmental permitting information in North Carolina.

Permitting information services are as follows:

- EPIC helps determine exactly which environmental permits, if any, are necessary in a given situation and provides points of contact for more specific information and application forms.
- Guidance materials, ranging from fact sheets to informative process flow diagrams, have been developed. A number are available electronically.
- A growing compilation of frequently asked questions enables the EPIC staff to answer many general environmental permitting questions immediately.
- An up-to-date list of contacts within each individual permitting program ensures that all questions will be answered promptly and correctly. This contact list also serves as a direct link to DENR's regulatory divisions, ensuring timely interpretations and guidance on compliance and regulatory issues.
- For projects involving multiple permitting agencies, EPIC will coordinate pre-application meetings between potential applicants and appropriate permitting agencies. Such meetings are indispensable for identifying and resolving possible complications in the processing of multiple application packages.

In addition to these services, EPIC maintains an up-to-date schedule of existing DENR training programs, which is made available for prospective participants.

Telephone: 1-888-368-2640 (toll free).

DENR Division of Coastal Management

The division offers technical assistance to local officials in developing CAMA land use plans. It also offers Land Use Planning Grants, which are financial grants for CAMA land-use plan development and update and for projects to carry out those plans. It provides Land Use Planning Packets to each county and town doing land-use plan updates. These include statistics, such as population, and maps pertaining to individual counties.

As stated in Unit 6, most localities in these counties have CAMA permit officers, who handle permits for single-family homes. If you are uncertain if there is a local CAMA permit officer in your area, or for other CAMA

information, contact the Division of Coastal Management at the following locations:

Elizabeth City Office	919-264-3901 1367 US 17 South Elizabeth City, NC 27909
Washington Office	919-946-6481 943 Washington Square Mall Washington, NC 27889
Morehead City Office	919-808-2808 151-B Highway 24 Hestron Plaza II Morehead City, NC 28557
Wilmington Office	910-395-3900 127 Cardinal Drive Extension Wilmington, NC 28405-3845

DENR Division of Parks and Recreation

The North Carolina Natural Heritage Program provides natural area and rare species information to landowners; consulting firms; local, state, and federal agencies; as well as conservation organizations and private citizens. It manages all natural heritage resource data in a system that is coordinated with a map component consisting of a statewide set of 1:24,000 USGS quadrangles annotated with locations of natural heritage resources. Files hold extensive data on state and federally listed endangered and threatened species information. This information is available to the public and can be used for conservation planning and to help facilitate the design and implementation of ecologically sound development projects. New and renovated pipelines, roads, communication towers, residential and commercial building projects, and general conservation planning are excellent examples of projects where Natural Heritage Program information is useful.

Information provided may include any of the following:

- Records of rare, endangered, or threatened species; high quality natural communities; and Significant Natural Heritage Areas known in an area.

- County lists of rare species by common and scientific names, high quality natural communities, and federal and state protection status of each.
- Additional information (habitat descriptions, species accounts summarizing biological and ecological factors, threats and management needs, etc.) on request.

To request information about a site and project, please submit:

1. A cover letter describing the proposed activity including present vegetation cover and structures at site and the type of data requested.
2. A photocopy of a portion of USGS topographic map with the project area clearly outlined and the name of the quad. A county map with major highways, rivers, creeks, and towns labeled is acceptable. A project site map is helpful.

Send your request to: Attn: Information Specialist, Natural Heritage Program, Division of Parks and Recreation, N.C. Department of Environmental and Natural Resources, P.O. Box 27687, Raleigh, NC 27611-7687. Telephone: (919) 733-4181. Fax: (919) 715-3085.

DENR Division of Soil and Water Conservation

The division works in cooperation with the local Soil and Water Conservation Districts and the United States Department of Agriculture Natural Resources Conservation Service (NRCS) to provide technical and financial assistance to implement conservation practices on privately owned land. The division may provide technical assistance in developing flood hazard studies for local communities and also supports the planning and implementation of the Public Law 566 Small Watershed Program, which is under the authority of NRCS. PL 566 projects address community-wide natural resource problems such as flooding, erosion, and water quality. The division also participates in the Cooperative Soils Survey Program, which produces soil maps that may be useful in determining the approximate boundaries of floodplains.

Contact: Division of Soil and Water Conservation, P.O. Box 27687, Raleigh, NC 27611-7687. Telephone: (919) 733-2302. Fax: (919) 715-3559.

North Carolina Sea Grant

The North Carolina Sea Grant Extension Program and the Civil Engineering Department at North Carolina State University provide

general advice on flood and hurricane-resistant construction techniques and shoreline erosion.

Contact: Spencer Rogers, NC Sea Grant, 7205 Wrightsville Avenue, Wilmington, NC 28403. Telephone: (910) 256-2083. E-mail: rogerssp@uncwil.edu.

University of North Carolina at Chapel Hill, Institute of Government

The Institute of Government helps local and state officials to obtain information and to enhance the skills they need to conduct public business. These officials attend classes, short courses, and conferences run by institute faculty; benefit from bulletins, monographs, periodicals, and guidebooks written by faculty members; and consult with individual faculty specialists on specific activities and projects.

Contact: Institute of Government, CB No.3330 Knapp Building, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-3330. Telephone: (919) 966-5381. Fax: (919) 962-0654.

The Institute also has an Internet site where information can be found. Its location is ncinfo.iog.unc.edu.

Regional Planning and Development Agencies and Other Special Districts

These agencies and districts have been created by legislative and other special district bodies to carry out specific responsibilities, typically to assist local governments in multi-jurisdictional planning and problem resolution. These organizations often have full-time staff who have developed considerable expertise and insight to assist localities in planning in a multi-jurisdictional environment, in the design of desired measures, and in securing or providing funds for their implementation.

Regional Councils

Local governments in North Carolina are authorized to create regional organizations through a number of statutes. One result has been the formation of 18 regional councils.

Regional councils are multi-county planning and development agencies serving different areas of the state. Each region shares similar economic, physical, and social characteristics. Regional councils function to aid, assist, and improve the capabilities of local governments in administration, planning, fiscal management, and development.

Regional councils provide a wide variety of programs and services to their local governments and citizens. The nature and extent of the programs vary, depending on local needs and priorities of the board that governs the operation of the individual council.

Each regional council maintains a core staff as a resource for its local governments. All 18 are involved in providing technical assistance to their members. One important aspect of this technical assistance is the provision of current information on state and federal programs of concern to local governments. Through constant contact with state and federal agencies, regional councils' staff are able to analyze trends and advise their members on program changes and the availability of funding for programs that are important to their local governments. In many regions, local governments may also contract for additional technical assistance service in specialized areas or contract to provide ongoing assistance (such as planning) on a part-time basis.

Thirteen of the state's regional councils are organized as Councils of Governments (Regions D-P). The other five (Regions A-C, and Q and R) are planning and development commissions. State policy has tended to treat all regional councils as if they were Councils of Governments (COGs). Council names, boundaries, addresses, and telephone and fax numbers are shown on the following page.

Federal

U.S. Army Corps of Engineers

The Corps of Engineers has several programs that provide planning and technical assistance to communities to address local flood problems. Among those are the Floodplain Management Services (FPMS) Program

Region A Southwestern Planning & EDC
P.O. Drawer 850
Bryson City, NC 28713
(704) 488-9211 Fax (704) 488-3950

Region J Triangle J COG
P.O. Box 12276
Research Triangle Park, NC 27709
(919) 549-0551 Fax (919) 549-9390

Region B Land-of-Sky Regional COG
25 Heritage Drive
Asheville, NC 28806
(704) 251-6622 Fax (704) 251-6353

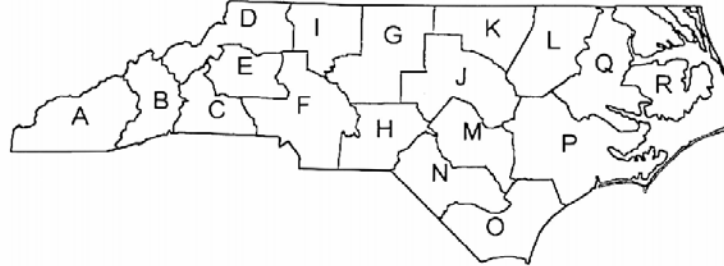
Region K Kerr Tar Regional COG
P.O. Box 709
Henderson, NC 27536
(919) 492-8561 Fax (919) 492-9110

Region C Isothermal Planning and EDC
P.O. Box 841
Rutherfordton, NC 28139
(704) 287-2281 Fax (704) 287-2735

Region L Region L COG
P.O. Drawer 2748
Rocky Mount, NC 27802
(919) 446-0411 Fax (919) 446-5651

Region D Region D COG
P.O. Box 1820
Boone, NC 28607
(704) 265-5434 Fax (704) 265-5439

Region M Mid Carolina COG
P.O. Drawer 1510
Fayetteville, NC 28302
(910) 323-4191 Fax (910) 323-9330



Region E Western Piedmont COG
317 First Ave. NW
Hickory, NC 28601
(704) 322-9191 Fax (704) 322-5991

Region N Lumber River COG
4721 Fayetteville Rd.
Lumberton, NC 28358
(910) 618-5533 Fax (910) 618-5576

Region F Centralina COG
P.O. Box 35008
Charlotte, NC 28235
(704) 372-2416 Fax (704) 347-4710

Region O Cape Fear COG
1480 Harbour Drive
Wilmington, NC 28401
(910) 395-4553 Fax (910) 395-2684

Region G Piedmont Triad COG
2216 W. Meadowview Rd., Suite 201
Greensboro, NC 27407
(910) 294-4950 Fax (910) 632-0457

Region P Neuse River COG
P.O. Box 1717
New Bern, NC 28560
(919) 638-3185 Fax (919) 638-3187

Region H Pee Dee COG
302 Leak Street
Rockingham, NC 28379
(910) 895-6306 Fax (910) 895-3369

Region Q Mid-East Commission
P.O. Drawer 1787
Washington, NC 27889
(919) 946-8043 Fax (919) 946-5489

Region I Northwest Piedmont COG
400 W. Fourth St., Suite 400
Winston-Salem, NC 27101
(910) 761-2111 Fax (910) 761-2112

Region R Albemarle Regional Planning & EDC
P.O. Box 646
Hertford, NC 27944
(919) 426-5753 Fax (919) 426-8482

Regional Councils of Governments

and the Planning Assistance to States (PAS) Program to help communities develop their own plans and initiate their own actions. Under these programs, they can furnish flood data acquired or developed by the Corps and can carry out certain local studies. These programs are delivered through district offices whose jurisdictions are based on river basins. Four districts have jurisdiction over portions of North Carolina, with the Wilmington District assigned the coordination role among the districts for services provided.

Natural Resources Conservation Service, U.S. Department of Agriculture

This agency has authority to work with communities, principally in small watershed areas of less than 250,000 acres. It can offer various types of assistance to implement local conservation practices on privately owned land. It also offers technical and financial assistance to restore flood-damaged watersheds and assists small communities in solving natural resource and related economic problems on a watershed basis. Detailed soil maps prepared by this agency also offer, in some instances, a basis for determining the approximate boundaries of floodplains where no other data are available.

Tennessee Valley Authority

This agency will provide data and studies it has developed in the past for local floodplain management planning in the Tennessee River basin portion of the state. It no longer carries out such studies or provides other floodplain management services.

U.S. Geological Survey, Water Resources Division

The USGS assists states in maintaining stream gauge stations. In addition, this agency has prepared inundation maps for specific communities. These quadrangle maps of floodprone areas are often used to delineate the approximate floodplain boundaries on the maps FEMA has provided to communities.

National Park Service, U.S. Department of the Interior

The Rivers, Trails and Conservation Assistance Program offers technical assistance to communities and their citizens who wish to conserve and

enhance close-to-home rivers, trails, and open spaces. Assistance is offered to:

- help plan greenways,
- turn abandoned rail lines into trails,
- establish organizations to protect rivers and other special places,
- revitalize urban waterfronts,
- protect and promote local heritage,
- plan bikeways,
- promote “water trails” for canoes and other small boats, and
- reduce flood losses without damaging the natural functions of floodplains.

Other Agencies

Other agencies providing assistance to localities for floodplain management include:

- U.S. Department of Commerce, National Weather Service.
- U.S. Environmental Protection Agency.
- U.S. Department of Housing and Urban Development.

Contact the local, state, or regional office of these agencies to determine the types of assistance they may be able to offer your community.

Federal Emergency Management Agency

The FEMA Region IV office in Atlanta provides assistance in addressing a variety of floodplain management and flood insurance issues that arise in administering the local floodplain management ordinance. This office provides the technical data that is usually the basis for carrying out local management measures. It is also equipped to address mapping and engineering issues and other technical and administrative matters.

The Hazard Mitigation Grant Program

The Hazard Mitigation Grant Program (HMGP) was created in November 1988 by Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act. The HMGP assists states and local

communities in implementing long-term hazard mitigation measures following a major disaster declaration. In December 1993, the President signed the Hazard Mitigation and Relocation Assistance Act, which amended Section 404 to increase federal funding of HMGP projects to 75 percent of the project's total eligible costs. The state or local match can consist of in-kind services and materials. Federal funding is based on 15% of the federal funds spent on the Public and Individual Assistance programs (minus administrative expenses) for each disaster.

The HMGP's objectives are to prevent future losses of lives and property due to disasters, to implement state or local hazard mitigation plans, to enable mitigation measures to be implemented during immediate recovery from a disaster, and to provide funding for previously identified mitigation measures that benefit the disaster area.

Eligible applicants are state and local governments; certain private nonprofit organizations or institutions; and Indian tribes or authorized tribal organizations and Alaska Native villages or organizations.

The HMGP can be used to fund projects to protect either public or private property. Examples of projects include:

- Acquisition and relocation of structures from hazard-prone areas
- Retrofitting, such as floodproofing to protect structures from future damage
- Development of state or local standards to protect new and substantially improved structures from disaster damage
- Structural hazard control, such as debris basins or floodwalls

Eligible applicants must apply for the HMGP through the state, since the state is responsible for administering the program. The applicant should contact the State Hazard Mitigation Officer for specific details. Every state must develop a Hazard Mitigation Administrative Plan that explains the state's procedures for administering the HMGP, including how projects are selected for funding. The projects must be part of an overall mitigation strategy for the disaster area.

All new project proposals must be submitted for approval within 90 days after FEMA approves the state's hazard mitigation plan for the disaster.

Flood Mitigation Assistance Program

With the passage of the National Flood Insurance Act of 1994, Congress authorized the establishment of a federal grant program to provide

financial assistance to states and communities for flood mitigation planning and activities. Under this Flood Mitigation Assistance Program (FMAP), FEMA provides assistance for activities that will reduce the risk of flood damage to structures insurable under the National Flood Insurance Program. FMAP funding is derived solely from NFIP revenues. This program is a state-administered, cost-share program through which states and communities can receive grants for flood mitigation planning, technical assistance, and mitigation projects. The overall goal of the program is to fund cost-effective measures that reduce or eliminate the long-term risk of flood damage to buildings, manufactured homes, and other NFIP insurable structures, with priority given to repetitively or substantially damaged structures.

FEMA will allocate FMAP grants to those states that have requested participation in the program. Each state's allocation will be based on the number of flood insurance policies in force and the number of repetitive loss structures.

FMAP Planning Grants

The purpose of FMAP planning grants is to assist states and communities in developing and updating flood mitigation plans. To be eligible to receive an FMAP *project* grant, a state or community must have a FEMA-approved mitigation plan. FEMA can assist states and communities in their plan development. The plan development process should consist of the following activities: public involvement, coordination with other agencies or organizations, flood hazard area inventory, problem identification, and review of possible mitigation actions. The plan should explain how the public was involved, summarize the outcomes of the other activities, and list the actions to be taken to implement the plan. If a state or community has a plan already in place, such as those credited through CRS, that it believes meets the program requirements, it may be submitted to the FEMA regional office for approval. FMAP plans must meet the same criteria as those implemented for CRS in July 1996.

States will distribute the planning grants at their discretion, in accordance with the specified grant limitations.

Technical Assistance Grants

The purpose of technical assistance grants is to help states to respond to the needs of communities with regard to FMAP. States will use the grants in providing needed technical assistance, consistent with the goals of FMAP.

Mitigation Project Grants

FEMA recommends that a mitigation plan contain a list of potential projects and a brief rationale or explanation of how each project or group of projects contributes to the overall mitigation strategy outlined in the plan. Only projects for mitigation activities specified in an approved Flood Mitigation Plan are eligible for project grants. These activities include elevation, acquisition, and relocation.

The plan should identify the types of projects that would be appropriate under certain conditions or in specific geographic areas. For example, a community may determine in its plan that acquisition of structures would be the preferred alternative for floodway areas, while elevation may be the appropriate solution in other areas of the floodplain. Project eligibility is dependent on two components: the type of activity must be eligible (e.g., acquisition, elevation) and each project must meet a set of minimum criteria (cost effectiveness, environmental considerations, etc.).

States will solicit and evaluate project applications, choosing those they wish to fund. The applications will be reviewed for completeness, basic eligibility, and consistency with the approved Flood Mitigation Plan. Projects will be forwarded to FEMA regional offices for final approval and funding.

Project Impact

In October 1997, FEMA launched a new approach to emergency management that involved a move from reliance on response and recovery from disasters to one that significantly emphasizes preparedness and management to reduce damages from future disaster events. FEMA's new Project Impact includes a national awareness campaign; pilot communities around the nation that demonstrate the benefits of disaster mitigation (Wilmington, in New Hanover County, NC, is one of the eight pilot communities); and an outreach effort to businesses and communities. There is a *Project Impact Guidebook* that offers a formula communities can follow to become "disaster resistant." It is anticipated that fifty communities will be added each year.

Information released by FEMA as part of this new approach includes numerous disaster prevention and preparedness tips for individuals, communities, and businesses. The *Project Impact Guidebook* contains four chapters with the following titles:

- Chapter One. Partnerships—The Key to Building a Disaster Resistant Community

- Chapter Two. Assessment—Hazard Identification and Hazard Vulnerability
- Chapter Three. Mitigation—Identifying and Prioritizing Actions in Your Community
- Chapter Four. Success—Communicating Project Impact to Your Disaster Resistant Community.

For further information call FEMA at (800) 480-2520 or visit FEMA's Home Page on the Internet at <http://www.fema.gov> where, by clicking the Project Impact icon, the tips for individuals, businesses, and communities may be found under "news." Also found here is a summary and outline of the contents of the chapters in the *Project Impact Guidebook*.

FEMA Programs for Hazard Mitigation

	HAZARD MITIGATION GRANT PROGRAM	INFRASTRUCTURE SUPPORT	HUMAN SERVICES	FLOOD MITIGATION ASSISTANCE PROGRAM	HAZARD MITIGATION TECHNICAL ASSISTANCE PROGRAM (HMTAP)	MISSION ASSIGNMENTS TO FEDERAL AGENCIES
AUTHORITY	Stafford Act, §404, P.L. 100-707	Stafford Act, §406, P.L. 100-707		NFIP Reform Act (Reigle Act) P.L. 103-325		
COST SHARE	75% federal 25% state/local	75% federal 25% state/local		75% federal 25% state/local	None	None
ACTIVITIES FUNDED						
Acquisition	Yes, top priority	Yes, public facilities	IFG, limited funding	Yes		
Elevation/Relocation	Yes	Public facilities	IFG, limited funding	Yes		
Retrofitting	Yes	Public facilities	“Minimization” program—800 series	Yes		
Demolition	Yes	If hazard to public health/safety	No	Yes		
Roads/culverts/bridges	Yes	Yes, e.g., resize culverts, drainage ditches, headwalls, bridge design	No	No	Yes	
Structural solutions	Yes, low priority	No	No	Minor projects		
Develop standards	Yes	No	No	Yes		
Technical assistance				Yes	Yes	Yes
Planning	No	No	No	Yes	Yes	Yes
DISASTER-RELATED	Yes	Yes	Yes	No		
BENEFIT-COST	>1	>1		>1		
APPLICANTS	State & local governments, certain private nonprofits, Indian tribes	State & local governments, certain private nonprofits, Indian tribes	Individuals	State & local governments	Projects assigned by FEMA	Projects assigned by FEMA to COE, USGS, NRCS

Note: A multitude of local/state/federal assistance is available to utilize in planning and funding hazard mitigation projects. Federal agencies with mitigation funding include U.S. Department of Housing and Urban Development [Community Development Block Grant Program], Department of Transportation [ISET Program], National Park Service [Rivers and Trails Conservation Program], Economic Development Administration, Environmental Protection Agency, Farmers Home Administration, Department of Energy [Weatherization Assistance], and Small Business Administration [increases loan amount by 20% for mitigation]. State agencies with funding opportunities will vary but may include the Governor’s Emergency Fund, legislative appropriation, and agencies concerned with preservation of the environment, infrastructure development, and housing improvement. Voluntary agencies that may assist with mitigation projects include American Red Cross, the Salvation Army, Mennonite Disaster Services, Church World Services, and Habitat for Humanity.

FEMA Reference Library—Internet Service

<http://www.fema.gov/home/MIT/pubcmty.htm>

Publications and Videos for Communities

Item No.	Publication	
3-0107	FEMA-15	Design Guidelines for Flood Damage Reduction General information on flooding and how to properly design and build in floodprone areas.
8-0390	FEMA-54	Elevated Residential Structures Proper design and construction methods for elevated buildings.
8-0373	FEMA-55	Coastal Construction Manual Design and construction techniques for construction in coastal high hazard areas.
8-0497	FEMA-85	Manufactured Home Installation in Flood Hazard Areas How to properly install a manufactured home in a flood hazard area with emphasis on design of elevated foundations.
3-0125	FEMA-100	Unified National Program for Floodplain Management goals, loss reduction strategies, and tools. (See FEMA-248 for an update to A conceptual framework to guide local, State, and Federal decision makers toward a balanced consideration of alternative this publication)
3-0126	FEMA-102	Floodproofing Non-Residential Structures Describes a variety of floodproofing strategies for commercial and industrial structures.
3-0127	FEMA-114	Design Manual for Retrofitting Flood-prone Residential Structures Presents floodproofing techniques that can be used for existing residential structures.
3-0131	FEMA-116	Reducing Losses in High Risk Flood Hazard Areas: A Guidebook for Local Officials A guidebook to help local governments improve their floodplain management programs for high risk flood

areas.

- | | | |
|--------|----------|--|
| 3-0142 | FEMA-165 | Alluvial Fans: Hazards and Management
A booklet describing flood hazards on alluvial fans and suggested approaches to hazard management. |
| 3-0164 | FEMA-213 | Answers to Questions about Substantially Damaged Buildings
Guidance on NFIP regulations governing substantially damaged structures |
| 3-0178 | FEMA-234 | Repairing Your Flooded Home
Repair manual for homeowners on how to repair your home after a flood. |
| | FEMA-248 | A Unified National Program for Floodplain Management
Updates the information in FEMA-100. |
| | FEMA-257 | Mitigation of Flood and Erosion Damage to Residential Buildings in Coastal Areas
Profiles floodproof retrofitting in coastal states and communities. |
| | FEMA-258 | Guide to Flood Maps
A How-To booklet for reading Flood Insurance Rate Maps (FIRMS) |
| | FEMA-259 | Engineering Principles and Practices for Retrofitting Floodprone Residential Buildings
A comprehensive technical manual with specific guidance on financial, engineering determination of methods, and design practices for many floodproof retrofitting techniques. |
| 3-0180 | FIA-22 | Building Performance: Hurricane Andrew in Florida
Recommendations, observations, solutions to building problems incurred during Hurricane Andrew. |
| 3-0181 | FIA-23 | Building Performance: Hurricane Iniki in Hawaii
Recommendations, observations, solutions to building problems incurred during Hurricane Iniki. |
| 3-0183 | FIA-TB-0 | Technical Bulletins: User's Guide with Key Word and Subject Index
Provides a list of available technical bulletins, a key |

word/subject reference index for all the bulletins, and information about how to obtain copies of the bulletins.

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|--------|----------|---|
| 3-0184 | FIA-TB-1 | Technical Bulletin 1: Openings in Foundation Walls
Guidance on the NFIP regulations concerning the requirement for openings in below-Base Flood Elevation foundation walls for buildings located in Zones A, AE, A1-A30, AR, AO, and AH. |
| 3-0185 | FIA-TB-2 | Technical Bulletin 2: Flood-Resistant Materials Requirements
Guidance on the NFIP regulations concerning the required use of flood damage-resistant construction materials for building components located below the Base Flood Elevation in Special Flood Hazard Areas (both A and V Zones). |
| 3-0186 | FIA-TB-3 | Technical Bulletin 3: Non-Residential Floodproofing - Requirements and Certification
Guidance on the NFIP regulations concerning watertight construction and the required certification for floodproofed non-residential buildings in Zones A, AE, A1-A30, AR, AO, and AH whose lowest floors are below the Base Flood Elevation. |
| 3-0187 | FIA-TB-4 | Technical Bulletin 4: Elevator Installation
Guidance on the NFIP regulations concerning the installation of elevators below the Base Flood Elevation in Special Flood Hazard Areas (both A and V Zones). |
| 3-0188 | FIA-TB-5 | Technical Bulletin 5: Free-Of-Obstruction Requirements
Guidance on the NFIP regulations concerning obstructions to floodwaters below elevated buildings and on building sites in coastal high Hazard Areas (Zones V, VE, and V1-V30). |
| 3-0189 | FIA-TB-6 | Technical Bulletin 6: Below-Grade Parking Requirements
Guidance on the NFIP regulations concerning the design of below-grade parking garages beneath buildings located in Zones A, AE, A1-A30, AR, AO, and AH). |
| 3-0202 | FIA-TB-7 | Wet Floodproofing Requirements
Guidance on the NFIP regulation concerning the design of wet floodproofing which is not |

recognized for residential homes, only for non residential structures.

3-0124		NFIP Regulations for Floodplain Management and Flood Hazard Identification 44CFR Regulations that pertains only to the Floodplain Management Program.
3-0132	L-153	Retrofitting Flood-prone Residential Structures (Brochure) A companion brochure summarizing FEMA-114
3-0174	L-197	Unified National Program for Floodplain Management (Brochure) A companion brochure summarizing FEMA-100
3-0179	L-198	After a Flood: The First Steps (Brochure) A brochure that pulls pertinent first step information from FEMA-234.
3-0172	FF 81-78	Residential Basement Floodproofing Certificate (7/92) A form provided to communities that have been granted a basement exception through FEMA Headquarters.
	FF 81-31	Elevation Certificate A form provided to communities participating in the NFIP for proper recording of elevated buildings.
	FF 81-65	Floodproofing for Non-Residential Structures A form provided to communities participating in the NFIP for proper recording of floodproofing non-residential buildings.
	Poster-15	Repairing Your Flooded Home(English/Spanish) Poster for use in public buildings with English on one side and Spanish on the other.

Videos

Best Build I	Constructing a Sound Coastal Home
Best Build II	Construction in a Riverine Floodplain
Best Build III	Protecting a Flood-prone Home

- FEMA-247 **Against the Wind (English & Spanish)**
A booklet that describes inexpensive ways a homeowner can strengthen their homes against hurricane wind damage. A video is also available.
- L-105 **Safety Tips for Hurricanes**
A card with a summary of hurricane safety information.
- L-107 **Hurricane-Floods: Safety Tips for Coastal and Inland Flooding (Brochure)**
A brochure with tips for residents and visitors.
- L-212 **Hurricane-Action Guidelines for Senior Citizens**
A brochure with a summary of information to prepare Senior Citizens for the occurrence of a hurricane.
- L-213 **Hurricane-Action Guidelines for School Children**
A brochure with summary information to prepare children for the occurrence of a hurricane.
- L-169 **Hazard Mitigation Grant Program**
Describes Program requirements and availability of the Hazard Mitigation Grant Program for Presidential disaster declarations.
- DAP-12 **Post-Hazard Mitigation Planning Guide for State/Local Governments**
General guidance for State and local governments on developing an effective mitigation program and conducting mitigation planning.

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FEMA-54	Elevated Residential Structures
FEMA-55	Coastal Construction Manual
FEMA-85	Manufactured Home Installation in Flood Hazard Areas
FEMA-102	Floodproofing Non-Residential Structures
FEMA-114	Design Manual for Retrofitting Flood-Prone Residential Structures
FEMA-116	Reducing Losses in High Risk Flood Hazard Areas
FEMA-186	Mandatory Purchase of Flood Insurance Guidelines
FEMA-213	Answers to Questions about Substantially Damaged Buildings
FEMA-257	Mitigation of Flood and Erosion Damage to Residential Buildings in Coastal Areas
FEMA-265	Managing Floodplain Development in Approximate Zone A Areas
FEMA-form 81-31	Elevation Certificate and Instructions
FEMA-form 81-87 MT-1	Amendments and Revisions to National Flood Insurance Program (NFIP) Maps (LOMA & LOMR-F based on fill)
FEMA-form 81-87 MT-2	Revisions to NFIP Maps (LOMR)
FIA-2	Answers to Questions about the National Flood Insurance Program
FIA-12	Appeals, Revisions, and Amendments to National Flood Insurance Program Maps—A Guide for Community Officials
FIA-14	Guide to Flood Insurance Rate Maps
FIA-22	Building Performance: Hurricane Andrew in Florida
Unnumbered:	National Flood Insurance Program and Related Regulations
FIA-TB-1	Openings in Foundation Walls
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Emergency Management Institute

FEMA's Emergency Management Institute (EMI) offers courses for any person with substantial involvement in emergency operations. A catalog of course offerings can be obtained from the state training officer, the regional training office, the National Emergency Training Center Admissions Office at (301) 447-1000, or

Emergency Management Institute
16825 South Seton Avenue
Emmitsburg, MD 21727

EMI offers the following courses related to the National Flood Insurance Program:

E-278. NFIP Community Rating System (CRS). This course covers the activities eligible for CRS, the application process, and provides technical assistance for local officials who wish to apply for CRS as well as for individuals interested in conducting CRS workshops. This is a "hands-on" course. All necessary materials will be provided; however, attendees are encouraged to bring floodplain maps of their community, copies of regulations for zoning, subdivision, stormwater management, ditch maintenance, etc., as well as Comprehensive Plans and Flood or Hurricane Warning and Evacuation Plans.

E-273. Managing Floodplain Development through the National Flood Insurance Program (NFIP). This course is specifically designed for orientation and training of community officials regarding the floodplain management regulations of the NFIP. It is suitable for planners, building officials, zoning coordinators, and engineers.

E-279. Retrofitting Floodprone Residential Buildings. This course is designed to provide engineering and economic guidance on what constitutes proper retrofitting techniques for floodprone residential structures. The course is intended for those with engineering, architectural, or building science knowledge. However, local floodplain administrators without such detailed knowledge will still find the course understandable and useful. The course includes an independent-study course to be completed prior to attending the resident course, as well as a study design exercise and written examination.

How to apply: Courses are held in Emmitsburg, Maryland, at the National Fire Academy. FEMA pays for the courses and lodging, and reimburses airfare. The attendee pays for a meal ticket and local airport transportation. A free shuttle is provided to/from Washington, DC area airports. Please apply at least two months in advance of a desired class. An application form (FEMA Form 75-5) can be obtained from the State Department of Emergency Management. The application must be signed by the CEO of the community and sent to the State NFIP Coordinator, who transmits it to FEMA Region IV and the EMI for approval.

Private

The private sector is often overlooked as a source of assistance for planning and carrying out floodplain-related measures. Private

organizations often can marshal needed community involvement and support, provide information and special expertise or insight, and help secure funding for certain activities.

Nonprofit Organizations

Nonprofit organizations like The Nature Conservancy and the National Audubon Society operate throughout the United States to acquire and preserve sensitive natural areas. Much of the land targeted by these groups is wetland or provides water access, including much floodplain land. Along these lines, Ducks Unlimited has programs to preserve wetlands as waterfowl breeding areas. The Nature Conservancy also has an extensive database on local resources.

Land Trusts

Land trusts that operate at the municipal, regional, or state level. These organizations preserve land for its natural, recreational, scenic, historical, or productive value. Their numbers have increased more than ten-fold in the past three decades. The Trust for Public Land, a national land trust, has assisted in the acquisition of critical areas.

Other Conservation Organizations

Other conservation organizations like the Sierra Club, the Izaak Walton League, and the National Wildlife Federation are involved in a myriad of activities relating to land use and resource conservation.

Foundations provide financial support for projects or programs they deem worthwhile and within their area of interest.

Voluntary Organizations

There are organizations that provide flood relief and recovery assistance, such as the American Red Cross, the Salvation Army, and a number of church-sponsored affiliates.

Historical preservation society members are interested in preserving community heritage.

Kiwanis, Lions, Rotary, and other service clubs can help build community support, provide resources, and foster business involvement.

Local groups, organizations, and those interested in a particular purpose or activity such as nature study, conservation, hunting, and fishing can also render expertise and resources.

Boy and Girl Scout troops can benefit from involvement in community projects like a stream or bank cleanup.

Church groups can adopt neighborhood or community projects.

Business and corporations can render support, provide resources, donate lands, materials and equipment, and adopt projects.

Professional Organizations

American Planning Association

The American Planning Association (APA) is a national nonprofit organization serving the needs of professional planners. Your planning department may subscribe to APA's Planning Advisory Service (PAS), which provides technical assistance to subscribers. Expertise on site planning and on the design of subdivisions in floodplains would be available through PAS, and through a soon-to-be released report dealing with this issue. PAS subscribers will automatically receive this document, or it can be purchased from APA, (312) 431-9100.

North Carolina Association of Floodplain Managers

The North Carolina Association of Floodplain Managers is dedicated to receiving issues and providing educational opportunities for local administrators of the National Flood Insurance Program (NFIP). A summary of its activities and a membership application is included on the following page.

North Carolina Association of Floodplain Managers

The North Carolina Association of Floodplain Managers, Inc. is a non-profit organization which was organized in 1989. Its membership consists of Planners, Engineers, Land Surveyors, Building Inspectors, Zoning Officials, Emergency Management Coordinators, and private sector individuals and companies with an interest in floodplain management and the National Flood Insurance Program. The Association has over 150 members and is a chapter member of the National Association of State Floodplain Managers.

The Association is dedicated to receiving issues and providing educational opportunities for local administrators of the National Flood Insurance Program (NFIP).

The Association is dedicated to:

- Promoting the public awareness of proper floodplain management;
- Promoting the professional status of floodplain management and securing all benefits resulting therefrom;
- Enhancing cooperation and exchange of information among various related private organizations; individuals; and local, state, and federal agencies;
- Keeping individuals concerned with proper floodplain management well informed through educational and professional seminars and providing a method for dissemination of information, both general and technical;
- Informing concerned individuals of pending floodplain legislation and other related floodplain management matters;
- Studying and supporting legislation pertinent and necessary to the effective implementation of floodplain management regulations.

NCAFFPM Membership Application

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Company: _____

Address: _____ City: _____

State: _____ Zip Code: _____ Country: _____

Daytime Phone No: () _____ Fax: () _____

Membership Classification

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(\$10.00/member minimum not to exceed \$50.00; Maximum not to exceed \$250.00)

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Please mail to: Linda Adams
 North Carolina Division of Emergency Management
 116 W. Jones Street
 Raleigh, NC 27603
 (919) 733-5392

Association of State Floodplain Managers

The Association of State Floodplain Managers (ASFPM) was founded in 1977 by professionals involved in floodplain management, flood hazard mitigation, the National Flood Insurance Program, and flood preparedness, warning and recovery. The organization has become a respected voice in flood hazard management practice and policy in the United States because it represents the flood hazard specialists of local, state and federal government, the research community, the insurance industry, and the fields of engineering, hydrologic forecasting, emergency response, water resources, and others.

The primary purposes of ASFPM are: 1) to provide national representation for state and local governments with regard to policies and actions occurring in areas of flood hazard management; 2) to facilitate cooperation and exchange of information among state, local, federal, and private officials on innovative ideas and trends in floodplain management; and 3) to provide a forum for the education of those involved in floodplain management. In addition, the Association provides the Administration, Congress and a number of federal agencies with valuable information regarding state and local programs and needs, which assists in formulating federal flood hazard management policies and programs.

Floodplain Management Resource Center

The Floodplain Management Resource Center (FMRC) is both a library and free referral service for floodplain management publications. FMRC collects manuals, research reports, and other current publications of regional or national scope and prepares document summaries that are entered into a computer database. Currently over 750 entries in the database address such topics as floodplain management, floodproofing, stormwater management, multi-objective river corridor management, flood warning and preparedness, and arid west issues.

The FMRC can be accessed by calling (303) 492-6818 (M–F, 9:00 a.m.–4:00 p.m., MST/MDT) or writing to the Natural Hazards Research and Applications Information Center, IBS #6, Campus Box 482, Boulder, CO 80309-0482, Attn: Floodplain Management Resource Center. Using the database, FMRC staff will select up to 10 relevant publications that meet a particular need and will provide information on how to obtain the documents, as well as the document summaries. Plans are being made to incorporate the database into an ASFPM home page on the Internet.



ASFPM Publications List

The following publications are available through the Association, and may be ordered by completing the attached form. Applicable fees are indicated as well as (Author; Publisher) year.

SPECIAL PUBLICATIONS	FEES *	
Non-Members	Members	
<p>FLOODPLAIN MANAGEMENT '95: State and Local Programs The most comprehensive source assembled to date, this report summarizes and analyzes various state and local programs and activities. (Jacki Monday; ASFPM) 1996</p>	20.00	25.00
<p>ASFPM NATIONAL DIRECTORY and ANNUAL REPORT A complete name/address/phone listing for all key floodplain managers in the nation, comprehensive summary of ASFPM's activities of past year and planned future directions, key federal agency programs, much more. (Diane Watson; ASFPM) Annually.</p>	1 free to current members	20.00 (10.00 for Chapter Members)
<p>USING MULTI-OBJECTIVE MANAGEMENT TO REDUCE FLOOD LOSSES IN YOUR WATERSHED - A citizens guidebook. Introduction to multi-objective management and planning process that helps a community select suitable flood loss reduction measures. (French Wetmore; ASFPM, EPA) 1996</p>	12.00	15.00
<p>ADDRESSING YOUR COMMUNITY'S FLOOD PROBLEMS: A GUIDE FOR ELECTED OFFICIALS - to help officials take action now and try to ward off problems from future flooding. (James Wright, Jacki Monday; ASFPM, Federal Interagency Task Force) 1997</p>	Please pay \$3.50 S/H	
<p>FLOODS, FLOODPLAINS AND FOLKS An update of 1991 ACasebook in Managing Rivers for Multiple Uses, features 19 multi-objective project descriptions. (National Park Service, ASFPM, Association of State Wetland Managers and FEMA) 1996</p>	Please pay \$3.50 S/H	
ASFPM TECHNICAL REPORTS		
<p>#1 An Assessment of Urban Floodplain Management in the U.S. - The Case for Land Acquisition in Comprehensive FPM (Burby, Kaiser; ASFPM) 1987</p>	5.00	7.00
<p>#2 Flood Planning Assistance to Small Towns (Wetmore; ASFPM) 1987</p>	5.00	7.00
<p>#3 Disaster Assistance Center (DAC) Mitigation Tables: The 1987 Illinois Experience (Wetmore; ASFPM) 1989</p>	7.00	9.00
<p>#4 Homeowner Floodproofing Behavior (Laska, Wetmore; ASFPM) 1989</p>	7.00	9.00
<p>#5 HOW TO . . . Organize and Submit Technical Documentation for Flood Studies, (Morris; ASFPM) 1992</p>	7.00	9.00
<p>#6 Terminology & Standards for Community-Level Flood Preparedness Programs, (ASFPM Mitigation Committee 1993)</p>	7.00	9.00

ASFPM CONFERENCE PROCEEDINGS

FEES *
Members Non-members

97 FPM in a Multi-Faceted World , Proceedings from Little Rock, Arkansas, April 1997. (Hazards Center)	20.00	25.00
96 Coast to Coast: 20 Years of Progress , Proceedings from San Diego, California, June 1996. (Hazards Center)	20.00	25.00
95 From the Mountains to the Sea: Developing Local Capabilities , Proceedings from Portland, Maine, May 1995. (Haz.Ctr)	20.00	25.00
94 Nania: Comprehensive Watershed Management , Proceedings from Tulsa, OK, May 1994. (Hazards Center)	16.00	18.00
93 Cross Training: Light The Torch , Proceedings from Atlanta, GA, March 1993. (Hazards Center)	13.00	16.00
Land Use and Flood Damages in Arid & Semi-Arid Areas Proceedings of 1992 ASFPM Arid West Flood Conference, Las Vegas, NV, December 1992. (ASFPM) 1994	15.00	20.00
92 Multi-Objective Approaches to Floodplain Management , Proceedings from Grand Rapids, MI, May 1992. (Haz.Ctr.)	14.00	17.00
91 Inspiration: Come To The Headwaters , Proceedings from Denver, CO, June 1991. (Hazards Center)	12.00	15.00
90 Challenges Ahead: Flood Loss Reduction Strategies for '90s . Proceedings from Asheville, NC, June, 1990. (Haz.Ctr.)	12.00	15.00
89 Partnerships: Effective Flood Hazard Management , Proceedings from Scottsdale, AZ, May, 1989. (Haz.Ctr.)	10.00	12.00
Arid West Floodplain Management Issues , Proceedings of the ASFPM/AFMA Conference in Las Vegas, NV, Oct. 1988. (Mary Hester, ASFPM)	15.00	20.00
88 Floodplain Harmony '88 , Proceedings from Nashville, TN, May, 1988. (Hazards Center)	10.00	12.00
87 Floodplains '87 - Realistic Approaches to Better Management , Proceedings from Seattle, WA, June, 1987. (Haz.Ctr.)	8.00	10.00
86 Backwaters '86: Strengthening Local Flood Protection Programs , Proceedings of the ASFPM Conference in Pittsburgh, PA, June, 1986. (Hazards Center)	8.00	10.00
Improving the Effectiveness of Floodplain Management in Arid and Semi-Arid Regions , Proceedings of Las Vegas, NV, Symposium, March, 1986. (Kusler; ASFPM)	10.00	12.00
Alluvial Fans, Mudflows, Mud Floods - FPM in Western States High-Risk Areas , Proceedings of Workshop in Palm Springs, CA, February, 1986. (ASFPM; Hazards Center)	5.00	7.00
85 Flood Hazard Management in Government and the Private Sector , Proceedings of the ASFPM Conference in New Orleans, LA, May, 1985. (Hazards Center)	7.00	10.00
84 Managing High Risk Areas , Proceedings of the ASFPM Conference in Portland, ME, June, 1984. (Hazards Center)	5.00	8.00
83 Preventing Coastal Flood Disasters, Role of the States and Federal Response , Proceedings of the ASFPM Conference in Ocean City, MD, May, 1983. (ASFPM; Hazards Center)	n/c	n/c

ASFPM TOPICAL REPORTS

FEES *

	Members	Non-members
#1 Report On Questionnaire On Substantial Improvement (Davison, Keptner, Borengasser; ASFPM) 1990	3.00	4.00
#2 Federal Assistance Programs For Sewer Flooding (Eveready Flood Control, French & Associates; ASFPM) 1990	3.00	4.00
#3 Issues to Floodproof Retrofitting (Wallace A. Wilson; ASFPM) 1990	3.00	4.00
#4 NFIP Regulations: What You'd Change If You Could (Keptner; ASFPM) 1991	3.00	4.00
#5 The Community Rating System: A True Story, Local Economic Application (Mike Klitzke; ASFPM) 1992	4.00	5.00
#6 Flood Damage Reduction and Wetland Conservation, Three Successful Projects in Louisiana (Rod Emmer; ASFPM) 1994	4.00	5.00
OTHER PUBLICATIONS OF ASFPM		
AVOIDING PUBLIC LIABILITY in Floodplain Management Explores recent judicial decisions/trends in the law & measures for reducing potential liability. (Jon Kusler; ASFPM) 1989	20.00	20.00
MODEL STATE LEGISLATION for Floodplain Management, Basic Regulation Statutes & Innovative Techniques (ASFPM)	Please pay \$3.50 S/H	
Mitigation Planning Workshop Materials, Materials from one-day workshop, San Diego, June 1996. (Wetmore; ASFPM)	20.00	25.00
Primer for Hosting Buyouts Workshop, based on experience/evalua- tion of >93 floods workshop, January 1994. (Philipsborn; ASFPM)	20.00	25.00
Multi-Objective River Corridor Planning, Proceedings of the multi-objective workshops in Knoxville, TN and Colorado Springs, CO, March 1989. (Eve Gruntfest, ASFPM)	10.00	12.00
Evaluating the Effectiveness of Floodplain Management Techniques and Community Problems, Proceedings of seminar by TVA and Interagency FPM Task Force, April, 1984. (TVA; Haz.Ctr.)	5.00	8.00
Floodplain Management Research Needs - From a Survey of State and Local Managers (Burby; ASFPM)	n/c	n/c
Long-Term Recovery From Natural Disasters: A Comparative Analysis of Six Local Experiences (Claire B. Rubin, Aca- demy for Contemporary Problems; NSF, FEMA) 1981	n/c	n/c
Common Legal Questions Pertaining to the Use of Flood- plains and Wetlands - Brochure (Kusler, Platt) (please limit to 500 copies per order, postage per 100 as below)	n/c	n/c
Using Available Computerized Data to Target Floodplain Management Resources (ASFPM) 1982	n/c	n/c
Come Rain, Come Shine - A Case Study of A Floodplain Relocation Project at Soldiers Grove, WI. (Wis. DNR, FEMA) 1982	n/c	n/c

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