

References

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Federal Emergency Management Agency. 2002. *Promoting mitigation in Louisiana*. Washington, D.C.: DHS/FEMA.

Flink, Charles A., and Robert M. Searns. 1993. *Greenways: a guide to planning, design, and development*. Washington, D.C.: Island Press.

Kusler, Jon A. 2004. *No adverse impact: floodplain management and the courts*. Madison, WI: Association of State Floodplain Managers. Available from World Wide Web: (<http://www.floods.org>).

Morris, Marya. 1997. *Subdivision design in flood hazard areas*. Planning Advisory Service Report No. 473. Chicago: American Planning Association and Federal Emergency Management Agency. Copies can be ordered for \$32 from American Planning Association, 122 So. Michigan Ave., Suite 1600, Chicago, IL 60603, (312) 431-9100. pasreports@planning.org.

National Flood Insurance Program. 2003. "Is the CRS worth it? Illinois officials respond." *NFIP/CRS Update* (Fall): 5-6.

U.S. Army Corps of Engineers. 1985. *Guidelines on community local flood warning and response systems*. Washington, D.C.: National Technical Information Service.

U.S. Department of Homeland Security/FEMA. 2002. *Promoting mitigation in Louisiana*. Washington, D.C.: DHS/FEMA.

Wetmore, French and Gil Jamieson. 1999. "Flood mitigation planning: the CRS approach." *Natural Hazards Informer* 1 (July).

Appendix A

Sources of Assistance

This is a list of contact information for the principal agencies and organizations that have expertise, information, and written materials about the techniques and tools for dealing with local flood problems as discussed in this guide.

Department of Homeland Security/Federal Emergency Management Agency

<http://www.fema.gov>

- Benefit-Cost helpline
1-866-222-3580
- The Community Rating System
<http://training.fema.gov/emiweb/CRS/>
- Cooperating Technical Partners Program
http://www.fema.gov/fhm/ctp_main.shtm
- FEMA Regional Offices
<http://www.fema.gov/regions/>
- FEMA For Kids
<http://www.fema.gov/kids>
- National Flood Insurance Program
1-800-CALL-FLOOD
<http://www.fema.gov/nfip/>
- Planning Resource Page
<http://www.fema.gov/fima/planning.shtm>
- Preparing for flooding
<http://www.fema.gov/hazards/floods/floodf.shtm>
- Retrofitting publications
<http://www.fema.gov/hazards/floods/whatshouldidoprotect.shtm>
- Training courses
<http://training.fema.gov/emiweb/>

National Weather Service

<http://www.noaa.gov> or <http://hydrology.nws.noaa.gov>

- StormReady program
<http://www.stormready.noaa.gov>
- Turn Around Don't Drown™ campaign
<http://www.nws.noaa.gov/om/water/turnaround.shtml>

Rivers, Trails, and Conservation Assistance Program, National Park Service

<http://www.nps.gov/rtca/>

- List of funding sources
http://www.nps.gov/nrcr/programs/rtca/helpfultools/ht_funding.html

Small Business Administration

<http://www.sba.gov>

State emergency management agency hazard mitigation offices

<http://www.fema.gov/fema/statedr.shtml>

State National Flood Insurance Program Coordinating Offices Directory

<http://www.floods.org/StatePOCs/map.asp>

U.S. Army Corps of Engineers

<http://www.usace.army.mil>

- National Nonstructural/Flood Proofing Committee
<http://www.usace.army.mil/inet/functions/cw/cecwp/NFPC/nfpc.htm>

U.S. Department of Agriculture

- Agricultural Extension Services
<http://www.csrees.usda.gov>
- Natural Resources Conservation Service
<http://www.nrcs.usda.gov> or <http://www.nrcs.usda.gov/programs/watershed>

U.S. Department of Energy

- Smart Communities Network
<http://www.sustainable.doe.gov/disaster/disintro.shtml>

U.S. Environmental Protection Agency

<http://www.epa.gov>

- National Pollutant Discharge Elimination System program
<http://cfpub.epa.gov/npdes/>
- Environmental Kids Club
<http://www.epa.gov/kids/>

U.S. Geological Survey

<http://www.usgs.gov>

Organizations

American Greenways Program

<http://www.conservationfund.org/?article=2471&back=true>

American Planning Association

<http://www.planning.org>

American Rivers

<http://www.americanrivers.org>

American Society of Civil Engineers

<http://www.asce.org>

American Red Cross

<http://www.redcross.org>

American Trails

<http://www.americantrails.org/>

Association of State Floodplain Managers

<http://www.floods.org>

National Association of Flood and Stormwater Management Agencies

<http://www.floods.org/StatePOCs/stchoff.asp>

- Certified Floodplain Manager Program
<http://www.floods.org/Certification/certprog.asp>
- Mitigation Success Stories
<http://www.floods.org/Publications/mit%20succ%20stories/mssiii1.htm>

Land Trust Alliance

<http://www.lta.org/>

National Association of Flood and Stormwater Management Agencies

<http://www.nafsma.org>

National Wildlife Federation

<http://www.nwf.org>

- Kidzone
<http://www.nwf.org/kids/>

Nature Conservancy

<http://nature.org/>

The Trust for Public Land

<http://www.tpl.org/>

- Financing alternatives
<http://www.tpl.org>

The Waterfront Center

<http://www.waterfrontcenter.org/>

State and Local Entities

- Local planning office
- Local emergency services office
- Local building department
- Regional planning commissions and councils of government
- Soil and water conservation districts
- State office of emergency management
- County emergency manager
- Local chapter of the American Red Cross
- Utility company and cooperatives
- School district
- Park department
- Youth groups

Appendix B

Reference Works and Recommended Reading

The following are citations to all documents recommended in the text of this guide, supplemented by other materials useful in approaching local flood problems. It is organized by topic. Some references are listed under more than one topic.

Community-Level Approaches

Association of State Floodplain Managers. 1987. *Reducing losses in high risk flood hazard areas: a guidebook for local officials*. FEMA 116. Washington, D.C.: Federal Emergency Management Agency.

Association of State Floodplain Managers and U.S. Environmental Protection Agency. 1996. *Using multi-objective management to reduce flood losses in your watershed*. Madison, WI: ASFPM. This publication reviews the 10-step planning process and coordination of a hazard mitigation plan with other community goals and objectives. It includes examples, references, and lists of sources of assistance. It is particularly detailed on integrating flood protection activities with other community activities. To order, call ASFPM: 608-274-0123.

Association of State Floodplain Managers. 2001. *Flood mitigation planning—the first steps*. Madison, WI: ASFPM. This floodplain management planning kit consists of reference materials, masters for handouts, and a 2-part video that explains the 10-step process to the general public. It is designed to be shown at the first meeting of a planning committee. Order through the ASFPM Web site, <http://www.floods.org> or call 608-274-0123.

Association of State Floodplain Managers. 2003. *No adverse impact: a toolbox for common sense floodplain management*. Madison, WI: ASFPM. Available from World Wide Web: (<http://www.floods.org>).

Federal Emergency Management Agency. 2000. *Planning for a sustainable future: the link between hazard mitigation and livability*. FEMA 364. Washington, D.C.: FEMA. Available from World Wide Web: (<http://www.fema.gov/fima/planresource.shtm>). A 40-page illustrated overview of hazard mitigation principles, including a list of Federal technical assistance and funding sources.

Federal Emergency Management Agency. National Flood Insurance Program/Community Rating System. 2003. *Example plans*. Washington, D.C.: FEMA. Available from World Wide Web: (<http://training.fema.gov/emiweb/CRS/index.htm>). Click on “Resources.” This 60-page document reviews the 10-step CRS credit criteria for floodplain management plans and identifies additional actions needed to also qualify as a FEMA-approved hazard mitigation plan.

Federal Emergency Management Agency. “How-to” guides for mitigation planning, available from World Wide Web: <http://www.fema.gov/fma/resources.shtm>.

Getting started: building support for mitigation planning (FEMA 386-1)

Understanding your risks: identifying hazards and estimating losses (FEMA 386-2)

Developing a mitigation plan: identifying mitigation actions and implementation strategies (FEMA 386-3)

Bringing the plan to life: implementing the hazard mitigation plan (FEMA 386-4)

Incorporating historic resources into mitigation planning (FEMA 386-6)

Integrating manmade hazards into mitigation planning (FEMA 386-7)

Federal Interagency Floodplain Management Task Force. 1996. *Protecting floodplain resources: a guidebook for communities*. FEMA 268. Washington, D.C.: Federal Emergency Management Agency.

Wright, J.M., and J.L. Monday. 1996. *Addressing your community’s flood problems: A guide for elected officials*. Madison, WI: Association of State Floodplain Managers, and the Federal Emergency Management Agency. This 38-page booklet provides a useful explanation of the importance of planning, along with recommendations and first person testimonials. It is excellent background reading for elected officials. To order, call ASFPM: 608-274-0123.

Wetmore, French and Gil Jamieson. 1999. “Flood mitigation planning: the CRS approach.” *Natural Hazards Informer* 1 (July).

Regulatory Tools

Arendt, Randall G. 1996. *Conservation design for subdivisions*. Washington, D.C.: Island Press.

Association of State Floodplain Managers. 1987. *Reducing losses in high risk flood hazard areas: a guidebook for local officials*. FEMA 116. Washington, D.C.: Federal Emergency Management Agency.

- Association of State Floodplain Managers. 2003. *No adverse impact: a toolbox for common sense floodplain management*. Madison, WI: ASFPM. Available from World Wide Web: (<http://www.floods.org>).
- Federal Emergency Management Agency. 1995. *Managing floodplain development in approximate zone A areas: a guide for obtaining and developing base (100-year) flood elevations*. FEMA 265. 1995. Available from World Wide Web: (<http://www.fema.gov>). Includes the computer program QUICK-2: Computation of Water Surface Elevations in Open Channels, Version 1.0.
- Federal Emergency Management Agency. National Flood Insurance Program/Community Rating System. 2002. *CRS credit for stormwater management*. Washington, D.C.: FEMA. Available from World Wide Web: (<http://training.fema.gov/emiweb/CRS/index.htm>). Click on “Resources.”
- Federal Emergency Management Agency. National Flood Insurance Program/Community Rating System. 2002. *CRS credit for higher regulatory standards*. Washington, D.C.: FEMA. Available from World Wide Web: (<http://training.fema.gov/emiweb/CRS/index.htm>). Click on “Resources.”
- Federal Emergency Management Agency. 2003. *Guidelines and specifications for flood hazard mapping partners*. Washington, D.C.: FEMA. Available from World Wide Web: (<http://www.fema.gov>).
- Kusler, Jon A. 2004. *No adverse impact: floodplain management and the courts*. Madison, WI: Association of State Floodplain Managers. Available from World Wide Web: (<http://www.floods.org>).
- Morris, Marya. 1997. *Subdivision design in flood hazard areas*. Planning Advisory Service Report No. 473. Chicago: American Planning Association and Federal Emergency Management Agency. Copies can be ordered for \$32 from American Planning Association, 122 South Michigan Ave., Suite 1600, Chicago, IL 60603, 312-431-9100. pasreports@planning.org.

Public Information and Awareness

- Federal Emergency Management Agency. National Flood Insurance Program/Community Rating System. 2002. *CRS credit for outreach projects*. Washington, D.C.: FEMA. Available from World Wide Web: (<http://training.fema.gov/emiweb/CRS/index.htm>). Click on “Resources.”

Warnings and Emergency Services

- Denver Office of Emergency Management, Urban Drainage and Flood Control District. 2003. *Flood Protection Handbook*. Denver, CO: City and County of Denver.
- Federal Emergency Management Agency. National Flood Insurance Program/Community Rating System. 2002. *CRS credit for flood warning programs*. Washington, D.C.: FEMA. Available from World Wide Web: (<http://training.fema.gov/emiweb/CRS/index.htm>). Click on “Resources.”

National Science and Technology Council, Committee on Environment and Natural Resources. 2000. *Effective disaster warnings, report by the Working Group on Natural Disaster Information Systems Subcommittee on Natural Disaster Reduction*. Washington, D.C.: NSTC.

U.S. Army Corps of Engineers. 1985. *Guidelines on community local flood warning and response systems*. Washington, D.C.: National Technical Information Service.

Area Analysis

Federal Emergency Management Agency. 2001. *Understanding your risks: identifying hazards and estimating losses*. FEMA 386-2. Washington, D.C.: FEMA.

Federal Emergency Management Agency. 2003. "Mitigation BCA toolkit." Washington, D.C.: FEMA. This compact disk has FEMA benefit-cost analysis software, guidance documents, and case studies.

Federal Emergency Management Agency. 2005. "National Mitigation Data Collection Tool." Washington, D.C.: FEMA. This software is an aid to choosing appropriate mitigation measures for a flood-prone property, with information on risk, building construction, and costs. Available from NFIPCRS@iso.com.

Drainage Improvements

Association of State Floodplain Managers. 2003. *No adverse impact: a toolbox for common sense floodplain management*. Madison, WI: ASFPM. Available from World Wide Web: (<http://www.floods.org>).

Bannerman, Roger. 2003. *Rain gardens: a how-to manual for homeowners*. Madison: Wisconsin Department of Natural Resources.

Federal Emergency Management Agency. National Flood Insurance Program/Community Rating System. 2002. *CRS credit for drainage system maintenance*. Washington, D.C.: FEMA. Available from World Wide Web: (<http://training.fema.gov/emiweb/CRS/index.htm>). Click on "Resources."

Federal Emergency Management Agency. 2002. *Promoting mitigation in Louisiana*. Washington, D.C.: DHS/FEMA.

Price, Thomas N., and Dennis W. Dreher. 2000. *Urban Stormwater Best Management Practices for Northeastern Illinois: Course Notebook*. Chicago: Northeastern Illinois Planning Commission.

Sacks, Alvin M. 1994. *Residential Water Problems*. Washington, D.C.: Home Builder Press.

Redevelopment

Federal Emergency Management Agency. 1998. *Property acquisition handbook for local communities*. FEMA 317. Washington, D.C.: FEMA.

- Federal Emergency Management Agency. 2000. *Planning for a sustainable future: the link between hazard mitigation and livability*. FEMA 364. Washington, D.C.: FEMA. Available from World Wide Web: (<http://www.fema.gov/fima/planresource.shtm>). A 40-page illustrated overview of hazard mitigation principles, including a list of Federal technical assistance and funding sources.
- Federal Emergency Management Agency. 2000. *Rebuilding for a more sustainable future: an operational framework*. FEMA 365. Washington, D.C.: FEMA.
- Federal Insurance Administration. 1991. *Answers to questions about substantially damaged buildings*. FEMA 213. Washington, D.C.: Federal Emergency Management Agency.
- Flink, Charles A., and Robert M. Searns. 1993. *Greenways: a guide to planning, design, and development*. Washington, D.C.: Island Press.
- Monday, Jacquelyn L. 2002. "Building back better: creating a sustainable community after a disaster." *Natural Hazards Informer* 3. Boulder, CO: Natural Hazards Research and Applications Information Center. Available from World Wide Web: (<http://www.colorado.edu/hazards/informer/infrmr3/informer3.pdf>).
- National Wildlife Federation. 1998. *Higher ground: a report on voluntary property buyouts in the nation's floodplains*. Washington, D.C.: NWF. Available from World Wide Web: (<http://www.nwf.org>).
- Natural Hazards Research and Applications Information Center. 2001. *Holistic disaster recovery: ideas for building local sustainability after a natural disaster*. Boulder, CO: Natural Hazards Center. Available from World Wide Web: (http://www.colorado.edu/hazards/holistic_recovery/).
- Schwab, Jim; Kenneth C. Topping; Charles C. Eadie; Robert E. Deyle; and Richard A. Smith. 1998. *Planning for post-disaster recovery and reconstruction*. PAS Report No. 483/484. Chicago, IL: American Planning Association. 346 pp.

Retrofitting

- Federal Emergency Management Agency. 1996. *Engineering principles and practices for retrofitting flood-prone residential buildings*. FEMA 259. Washington, D.C.: FEMA.
- Federal Emergency Management Agency. 1998. *Homeowner's guide to retrofitting: six ways to protect your house from flooding*. FEMA 312. Washington, D.C.: FEMA. Available from World Wide Web: (<http://www.fema.gov/pdf/hazards/hurricanes/guide.pdf>).
- Federal Emergency Management Agency. 1999. *Protecting building utilities from flood damage*. FEMA 348. Washington, D.C.: FEMA. Available from World Wide Web: (<http://www.fema.gov/hazards/floods/lib06b.shtm>).
- Federal Emergency Management Agency. 2000. *Above the flood: elevating your flood-prone house*. FEMA 347. Washington, D.C.: FEMA.

- Federal Emergency Management Agency's Technical Bulletin series. Available from World Wide Web: (<http://www.fema.gov/fima/techbul.shtm>).
- Federal Insurance Administration. 1993. *Openings in foundation walls*. FIA-TB-1. Washington, D.C.: Federal Emergency Management Agency.
- Federal Insurance Administration. 1993. *Flood-resistant materials requirements*. FIA-TB-2. Washington, D.C.: Federal Emergency Management Agency.
- Federal Insurance Administration. 1993. *Non-residential floodproofing—requirements and certification*. FIA-TB-3. Washington, D.C.: Federal Emergency Management Agency.
- Federal Insurance Administration. 1993. *Wet floodproofing requirements for structures located in Special Flood Hazard Areas in accordance with the National Flood Insurance Program*. Technical Bulletin 7-93. Washington, D.C.: Federal Emergency Management Agency.
- Louisiana State University Cooperative Extension Service. 1999. *Floodproofing resources*. Baton Rouge, LA: LSU.
- Sacks, Alvin M. 1994. *Residential water problems*. Washington, D.C.: Home Builder Press.
- U.S. Army Corps of Engineers' National Flood Proofing Committee references. Available from World Wide Web: (<http://www.usace.army.mil/inet/functions/cw/cecwp/NFPC/nfpc.htm>).
- U.S. Army Corps of Engineers. National Flood Proofing Committee. 1984. *Flood proofing systems & techniques*. Washington, D.C.: Corps of Engineers.
- U.S. Army Corps of Engineers. National Flood Proofing Committee. 1996. *Flood proofing techniques, programs, and references*. Washington, D.C.: Corps of Engineers.
- U.S. Army Corps of Engineers. National Flood Proofing Committee. *Floodproofing – how to evaluate your options*, U.S. Army Corps of Engineers National Flood Proofing Committee. 1993. Washington, D.C.: Corps of Engineers.
- U.S. Army Corps of Engineers. *Local flood proofing programs*. 2005. Washington, D.C.: Corps of Engineers. Available from World Wide Web: (http://www.nwo.usace.army.mil/nfpc/docs/Local_FP_Program_February_2005.pdf).

Index

A

A Zone vii, 4-4, 4-5, 8-2
acquisition 7-9, 7-10, 9-2, 9-6 through 9-15, 10-20, B-5
anxiety 2-2 [See also safety hazards]
approximate A Zone 4-4, 4-6
area analysis 2-8, 7-1 through 7-12, 8-7, 9-1, 9-2
ASFPM [See Association of State Floodplain Managers]
Association of State Floodplain Managers (ASFPM) 2-8, 3-8, A-2, A-3, B-1, B-2, B-3
automated system for flood warning 6-3

B

B Zone vii, 1-2
backup valve 7-4, 10-10 through 10-12
base flood elevation (BFE) vii, 4-5, 4-6, 4-14, 10-16, 11-1
base map 4-2
basement 7-4, 9-11, 10-3, 10-5 through 10-7, 10-9 through 10-15, 11-3, 11-8, 11-9, 11-10
basin [See watersheds]
benefit-cost analysis 5-7, 7-9, 7-12, 9-10, 10-16, B-2, B-4
berm 7-6
BFE [See base flood elevation]
buffers 4-10, 4-11 through 4-12, 8-5
building codes 10-17
building coverage 10-15, 10-16, 11-2, 11-3
building standards 2-5, 2-8
buy-out [See acquisition]

C

C Zone viii, 1-2
capital improvement plan 3-3, 4-8, 9-4
catchment [See watersheds]
CDBG [See Community Development Block Grant]
Certified Floodplain Manager (CFM) program 5-8, A-3
CFM [See Certified Floodplain Manager program]
channelization 2-4, 8-3, 8-6, 8-7, 9-5
cleanup 2-2 through 2-4, 6-8 through 6-10, 10-13, 11-1
cluster development 4-8, 4-11
commercial insurance policies 11-7
Community Development Block Grant (CDBG) 7-11, 9-10, 10-20

Community Rating System (CRS) vii, 2-8 through 2-10, 3-8, 4-1, 4-7, 4-10, 4-13, 4-18, 5-3, 5-4, 5-9, 6-1, 7-9, 8-14, 8-15, 9-10, 9-11, 10-15, 10-19, 10-20, 11-3, 11-7, A-1, B-2, B-3, B-4

compensatory storage 8-10, 10-18

comprehensive plans 3-3, 4-7, 4-9, 9-3

contents coverage 10-15, 11-1 through 11-5

Cooperating Technical Partners (CTP) program 4-4, A-1

Corps of Engineers [See U.S. Army Corps of Engineers]

covenants 9-13, 10-3

crawlspace 5-7, 9-11, 10-3

critical facilities 6-1, 6-4 through 6-6, 10-19

CTP [See Cooperating Technical Partners program]

culvert 1-1, 2-4, 2-6, 7-5, 7-7, 8-6, 8-8, 8-13

D

dams 2-3, 8-7, 8-8, 8-11

debris 2-5, 2-6, 5-5, 6-8, 7-5, 8-3, 8-11, 8-14, 8-15, 10-3

design flood elevation (DFE) 10-2, 10-16 through 10-18

design parameters 10-16

detention 2-4, 4-13, 4-14, 8-4, 8-10, 8-11

development regulations 3-2, 4-2, 4-10, 4-14, 5-2, 8-9

development rights 9-13

DFE [See design flood elevation]

disaster assistance 2-1, 6-9, 8-8, 9-10, 10-21, 11-2, 11-6, 11-8

disaster declaration 9-10, 10-20, 10-21, 11-1

Disaster Mitigation Act (DMA) of 2000 3-6

drainage 2-6, 2-7, 4-1, 4-2, 4-6 through 4-8, 4-10, 4-13 through 4-20, 5-1, 5-5, 7-1, 7-5, 7-6, 7-7, 7-9, 8-1 through 8-16, 9-13, 9-15, 10-6 through 10-7

dredging 7-5, 8-7, 8-8

drowning 2-1, 2-2 [See also safety hazards]

dry floodproofing 10-2, 10-7 through 10-9

dumping 2-4, 5-5, 8-13 through 8-16

E

easements 2-5, 4-11, 4-17 through 4-20, 7-8, 8-13, 9-13, 10-6, 10-7, 10-17

ecosystem 8-12, 9-13

education [See public awareness]

ejector pump 10-10, 10-11

electrocution 2-2 [See also safety hazards]

elevation 4-14, 4-17, 4-19, 5-7, 6-9, 10-1 through 10-3, 10-14 through 10-16, 10-18, 10-19, 11-3

Elevation Certificates 2-10

elevations 4-2 through 4-5

Emergency Management Institute (EMI) 3-9, 5-6, 5-9

emergency operations center 6-5 [See also critical facilities]

EMI [See Emergency Management Institute]

EPA [See U.S. Environmental Protection Agency]

erosion 2-5, 4-11, 4-13, 4-15, 5-2, 8-4, 8-7, 8-9, 10-3, 10-17

F

fatalities 2-1 [See also safety hazards]
 Federal Emergency Management Agency (FEMA) viii, 1-1, 3-3, 3-6, 3-8, 3-9, 4-2, 4-3
 through 4-7, 4-16, 5-4 through 5-7, 6-10, 7-2, 7-3, 7-10, 7-11, 9-5, 9-8 through
 9-14, 10-20, 10-21, 11-2, A-1, B-1 through B-6
 FEMA [See Federal Emergency Management Agency]
 FEMA mapping standards 4-6, 4-7
 fill 8-10, 10-2, 10-18
 financial assistance 2-1, 3-5, 3-8, 4-4, 4-5, 5-7, 6-11, 7-9 through 7-11, 9-2, 9-7 through
 9-10, 10-20
 fire station [See critical facilities]
 FIRM [See Flood Insurance Rate Map]
 FIS [See Flood Insurance Study]
 Flood Insurance Rate Map (FIRM) viii, 1-1, 1-3, 2-6, 3-2, 4-1 through 4-7, 4-16, 5-1, 5-3,
 7-3, 8-2, 9-1, 10-15 through 10-17, 11-2 through 11-5
 Flood Insurance Study (FIS) 4-3, 4-12, 7-3, 8-8, 10-14, 10-17
 flood maps 4-3, 4-4, 4-5, 5-2
 Flood Mitigation Assistance (FMA) 3-6, 7-11, 9-10, 10-20
 flood mitigation plan 3-3, 9-10, B-1, B-2
 flood of record 4-3 through 4-6
 flood profile 4-3, 8-8
 flood watches 6-3 through 6-5
 floodplain vii, 1-1, 1-2, 3-8, 4-1 through 4-5, 4-14 through 4-16, 5-1 through 5-3, 8-2, 9-1,
 9-2, 9-15
 floodproofing 3-8, 5-4 through 5-7, 10-2, 10-7 through 10-12, 10-16, 11-6, B-6
 floodwall 6-6, 7-6, 8-9, 8-10, 9-6, 10-4 through 10-6, 10-18
 floodway vii, 4-11, 4-16, 8-10, 10-17
 floor drain plug 10-9, 10-10
 funding [See financial assistance]
 future-conditions hydrology 4-7

G

grants [See financial assistance]
 green infrastructure 4-11 through 4-15
 greenway 4-14, 9-4, 9-12, 9-13, A-3, B-5
 groundwater 4-18, 10-9

H

habitat 4-8, 4-11, 4-14, 4-15, 5-3, 8-6, 8-8 through 8-13, 9-2, 9-5, 9-14
 Hazard Mitigation Grant Program (HMGP) 3-8, 7-10, 9-9, 10-20
 hazard mitigation plan 2-5, 3-4 through 3-6, 3-8, 9-4, 9-6, B-1, B-2
 health [See safety hazards]
 historic preservation 5-7, 9-4, 9-5
 HMGP [See Hazard Mitigation Grant Program]
 homeowners association 5-5, 8-15, 9-6
 homeowners insurance 2-3, 11-1, 11-10
 human intervention 10-4 through 10-6, 10-9 through 10-14
 hurricanes 3-4, 3-5, 4-5, 5-7, 6-3
 hydrology 4-3 through 4-9
 hydrostatic pressure 10-8, 10-11, 10-12

I

ICC [See Increased Cost of Compliance]
incentives vii, 2-8, 2-9, 2-10, 10-16
Increased Cost of Compliance (ICC) 4-16, 6-10, 9-10, 9-11, 10-20, 11-1, 11-6
infrastructure 2-6, 2-8, 4-7, 4-10, 4-13, 4-14, 9-6, 9-7
inspections 4-20, 6-9, 8-13 through 8-15

L

lawsuits 2-4, 2-8
lenders 5-1, 11-3, 11-5
levees 7-6, 8-9, 8-10, 10-4, 10-18
liability 2-4, 2-8, 9-10
local flooding [See localized flooding]
localized flooding viii, 1-1, 1-3, 2-1 through 2-9, 4-1, 5-1, 6-1 through 6-3, 6-6, 7-1, 9-15, 11-1
low-interest loans 10-20

M

mandatory flood insurance purchase requirement 11-5
manufactured homes 11-2
Map Modernization Program 4-4
mildew 2-2 [See also safety hazards]
mitigation 2-5, 2-9, 3-3 through 3-8, 5-5, 5-7, 6-9, 7-3, 7-9, 9-1, 9-2, 9-9, 9-10, 10-1, 10-2, 11-1, 11-6, A-3, B-1 through B-5
mold 2-2 [See also safety hazards]
mosquitoes 2-2, 8-13 [See also safety hazards]

N

National Flood Insurance Program (NFIP) viii, 1-1 through 1-3, 2-5, 2-9, 3-9, 4-1, 4-3, 4-14, 4-16, 5-1, 6-9, 6-10, 7-10, 9-10, 10-3, 10-15, 11-1 through 11-10, A-1
National Pollutant Discharge Elimination System (NPDES) 4-11, 8-5, 8-12, A-2
National Weather Service (NWS) 2-1, 6-1 through 6-8, A-2
neighborhood 2-6, 5-5, 7-1 through 7-8, 8-12, 9-1, 9-2, 9-12, 10-1
neighborhood associations 5-5, 8-15, 9-6
NFIP [See National Flood Insurance Program]
nonresidential buildings 10-15, 11-2
NPDES [See National Pollutant Discharge Elimination System]
nuisance flooding 1-1, 1-3, 5-3
NWS [See National Weather Service]

O

on-site storage 8-10 through 8-12
open space 2-5, 3-5, 3-8, 4-11 through 4-14, 7-8, 8-5, 8-11, 9-3 through 9-13
outreach projects [See public awareness]
overhead sewers 10-9 through 10-12

P

parks 2-6, 3-7, 4-13, 7-5, 8-3, 8-8, 8-9, 9-3 through 9-13
PDM [See Pre-Disaster Mitigation program]
piers, post, and pile construction 4-19, 10-3

plan 2-5, 3-1 through 3-8, 4-8, 6-4 through 6-6, 7-1, 7-8, 9-3
 planned unit development (PUD) 4-8, 4-11
 planning guidance 3-3, 3-6
 police station [See critical facilities]
 political support 3-3, 9-9
 pollutants 4-11, 8-4, 8-5, 8-11 [See also National Pollutant Discharge Elimination System]
 ponding vii, 1-1, 1-3
 ponds 8-4, 8-10, 8-11
 positive drainage 2-7, 3-2, 4-17, 4-18, 8-16
 Pre-Disaster Mitigation (PDM) program 3-6, 7-10, 9-10, 10-20
 Preferred Risk Policy 11-2, 11-10
 protective shields 6-7, 10-15
 public awareness 5-3 through 5-8, 6-1, 6-3, 6-7, 8-12, 8-13, 10-19, 10-20, 11-7
 public education [See public awareness]
 public information [See public awareness]
 PUD [See planned unit development]

R

rain gardens 8-12, 8-13, B-4
 real estate agents 5-1, 5-4, 5-8
 rebate 3-8, 6-11, 10-21
 reconstruction [See redevelopment]
 recovery 6-8, B-5
 Red Cross 5-8, 6-7, 6-8, 6-10, A-2, A-3
 redevelopment 2-8, 3-3 through 3-5, 6-9, 6-11, 7-1, 9-1 through 9-16
 regrading 8-12, 10-5 [See also redevelopment]
 regulations 1-1, 1-2, 2-5, 2-8, 3-2, 4-1 through 4-20, 5-2, 6-9, 8-5, 8-13 through 8-15,
 9-11, 10-3, 10-17, 11-5, 11-6
 relocation 3-4, 9-7, 9-8, 9-12, 11-6
 repetitive flooding, repetitive flood losses 1-3, 2-1, 2-6, 2-10, 4-4, 9-2, 9-15, 11-16
 retrofitting 1-4, 2-8, 3-8, 5-3, 6-9, 7-11, 9-6, 10-1 through 10-21, 11-1, B-5, B-6
 revitalization 2-6, 9-5, 9-14 [See also redevelopment]
 riparian zones, riparian areas 8-5, 9-2
 rip-rap 2-6
 runoff 2-7, 4-6, 4-10 through 4-14, 5-8, 7-6, 7-10, 8-4 through 8-13

S

safety hazards 2-1, 2-2, 2-8, 6-5 through 6-9, 7-2, 8-4, 9-7, 9-10, 10-13 [See also anxiety,
 drowning, electrocution, fatalities, mildew, mold, mosquitoes, stress]
 sandbags 6-7, 11-4
 sanitary sewers 4-8, 4-10, 9-8, 10-9 through 10-12
 SBA [See Small Business Administration]
 scour 8-8, 8-9, 10-9, 10-17
 sediment 4-14, 7-5, 8-5, 8-6
 seepage 8-9, 10-7, 10-17
 setbacks 4-10, 4-11, 10-6
 sewer backup 2-7, 7-4, 7-7, 8-8, 10-9 through 10-12, 11-9, 11-10
 SFHA [See Special Flood Hazard Area]
 shallow flooding 2-1, 2-2, 5-2, 6-6, 9-14, 10-1, 10-4, 10-5
 slab-on-grade construction 4-19, 10-3
 Small Business Administration (SBA) 10-21, 11-5, A-2

Special Flood Hazard Area (SFHA) viii, 1-1, 1-2, 2-1, 2-3, 2-5, 2-6, 2-8, 3-2, 4-1 through 4-5, 5-1 through 5-3, 6-9, 7-1, 8-10, 9-1, 10-3, 10-7 through 10-16, 11-2 through 11-7

Standard Flood Insurance Policy 10-15, 11-2

standpipes 7-4, 10-10, 10-11

State NFIP Coordinator 4-3, 11-10

storage improvements 8-10

StormReady 5-9, 6-1, 6-7, 6-8, A-2

storm sewers 1-1, 2-4, 2-5, 4-2, 4-14, 4-19, 7-5, 7-6, 8-6, 8-9, 8-12, 10-10, 11-9

stormwater management 4-11 through 4-14, 7-4, 8-2, 8-4, A-3

stormwater storage 4-7, 8-4

stream crossings 8-6, 8-8

stress 2-3 [See also safety hazards]

structural damage 2-3, 10-9, 10-12, 10-13

subdivision layout 4-10, 4-17, 4-18

subdivision regulations 3-8, 4-10, 4-18

substantial damage, substantial improvement 3-4, 4-14, 4-16, 6-9, 6-10, 10-3, 10-14, 11-6, B-5

sump pump failure 5-2, 11-8, 11-9

surcharge 7-5, 11-6

surveyors 5-8, 7-3

swales 2-7, 4-13, 4-14, 8-1, 8-6, 8-7, 8-13, 8-14, 10-7

T

tax base 2-4, 2-8, 9-15, 10-1

topographic map 7-3

training 3-7, 3-9, 5-6, 5-8, 6-5, 9-11, A-1 [See also public awareness]

tributaries 4-5, 8-1, 8-2, 8-8

U

urbanization 8-2

U.S. Army Corps of Engineers 3-3, 4-20, 7-11 8-7, 8-16, 9-16, 10-20, 10-21, A-2, B-4, B-6

U.S. Environmental Protection Agency (EPA) 5-9, 8-5, A-2

V

vegetation 8-3 through 8-8, 8-10 through 8-13, 9-12, 9-13

W

warning systems 2-8, 6-1 through 6-8

waterfront 9-12, A-3

water quality 5-8, 8-4, 8-6

watersheds viii, 1-2, 3-8, 4-4, 4-7, 4-15, 5-6, 6-3, 7-1, 8-1 through 8-4, 9-3, 9-11
[See also drainage]

Web sites 2-9, 3-8, 5-9, 5-10, 6-11, 6-12, 9-16, 10-21, 11-10, A-1 through A-3

wet floodproofing 10-2, 10-12, B-5

X

X Zones viii, 1-2, 1-3, 2-3, 3-3, 4-3, 4-5, 8-2, 10-5, 10-14, 11-2

Y

yard drainage 2-7, 8-12, 10-6

yard improvements 10-1, 10-6, 10-7

Z

Zone A [See A Zone]

zoning 2-5, 2-8, 4-1, 4-8, 4-10, 5-3, 10-3, 10-18

