The Desk Reference at a Glance

Notes to the User

Part 1
Flooding and Floodplain Management
1. Natural Aspects of Flooding
   1.1. Riverine Flooding Process
   1.2. Riverine Flooding
   1.3. Shallow Flooding
   1.4. Other Flood Hazards
   1.5. Natural and Beneficial Floodplain Functions

2. Human Impacts on Flooding
   2.1. Watershed and Floodplain Development
   2.2. Safety and Health Hazards
   2.3. Flood Damage

3. Floodplain Management
   3.1. Floodplain Management
   3.2. Floodplain Management in Illinois
   3.3. Associations
   3.4. The National Flood Insurance Program
   3.5. How the NFIP Works
   3.6. NFIP Roles and Responsibilities
   3.7. Joining the NFIP
   3.8. Compliance

Part 2
Flood Studies and Maps
4. Flood Insurance Studies
   4.1. FEMA’s Mapping Efforts
   4.2. Flood Study Terminology
   4.3. Flood Study
   4.4. Riverine Flood Studies
   4.5. Flood Profiles and Maps
   4.6. Floodway Mapping
   4.7. Other Flood Studies

5. NFIP Maps
   5.1. FIS Maps
   5.2. General Map Features
   5.3. Map Formats
   5.4. Special FIRM Features
   5.5. Other Types of FIRMs

6. Using Studies and Maps
   6.1. Using FIS Reports
   6.2. Using Flood Maps
   6.3. Using Profiles

7. Revising and Maintaining NFIP Maps
   7.1. Revising NFIP Maps
   7.2. NFIP Map Revision Procedure
   7.3. Physical Map Revisions
   7.4. Letter of Map Amendment (LOMA)
   7.5. Letter of Map Revision (LOMR)
   7.6. Letter of Map Revision Based on Fill (LOMR-F)
   7.7. Maintaining Maps

Part 3
Regulatory Standards
8. Regulatory Basis
   8.1. The Legal Basis
   8.2. The Ordinance
   8.3. The NFIP’s Regulations
   8.4. IDNR Requirements

9. Maps and Data
   9.1. NFIP Maps and Data
   9.2. Exceptions to the Basic Rule
   9.3. Data in Approximate A Zones
   9.4. Flood Hazard Determinations

10. Permit Requirements
     10.1. Development Permit
     10.2. Non-Building Requirements
     10.3. Permits From Other Agencies

11. Regulatory Floodway
     11.1. The Floodway
     11.2. IDNR Floodway Permits
     11.3. Northeastern Illinois

12. Protecting New Buildings
     12.1. Terminology
     12.2. Elevation
     12.3. Enclosures
     12.4. Floodproofing
     12.5. Provisions for all Buildings
     12.6. Accessory Structures
     12.7. Manufactured Homes
13. Additional Regulatory Measures
   13.1. Introduction
   13.2. Location Restrictions
   13.3. Additional Building Protection
   13.4. Safety Requirements
   13.5. Flood Conveyance and Storage
   13.6. Other Regulations
   13.7. Environmental Protection Measures
   13.8. No Adverse Impact Legal Review

Part 4
Ordinance Administration
14. Permit Review
   14.1. The Administrator
   14.2. Development Permits
   14.3. Application Review
   14.4. Appeals and Variances
   14.5. Variance Guidance
   14.6. Related Issues

15. Enforcement and Records
   15.1. Inspections
   15.2. Enforcement Actions
   15.3. Legal Recourses
   15.4. Records

16. Substantial Improvement and Substantial Damage
   16.1. Introduction
   16.2. Substantial Improvement
   16.3. Substantial Damage
   16.4. Special Situations

Part 5
Flood Insurance
17. Flood Insurance
   17.1. Flood Insurance Policies
   17.2. Coverage
   17.3. The Mandatory Purchase Requirement
   17.4. Rating Buildings

18. Community Rating System
   18.1. Introduction
   18.2. CRS Activities
   18.3. Credit Points
   18.4. Publications

Part 6
Hazard Mitigation
19. Disaster Operations
   19.1. Disaster Operations
   19.2. Regulating Reconstruction
   19.3. Administration

20. Hazard Mitigation
   20.1. Mitigation Measures
   20.2. Mitigation Planning
   20.3. Mitigation Assistance Programs
   20.4. No Adverse Impact

21. Glossary
22. References
23. Pontiac’s Flood Insurance Study
24. Contacts
25. CFM Learning Check
Notes to the User

Introduction: Responsibility for flood loss reduction is shared by everyone: local, State and Federal agencies, the private sector, and the floodprone property owner. Fulfilling this responsibility depends on having the knowledge and skills to design and implement needed floodplain management measures.

The Illinois Association for Floodplain and Stormwater Management was formed to promote good floodplain management and to educate professional staff, elected officials, and the general public on how to best manage development in flood hazard areas. The Association conducts conferences and workshops to improve the knowledge and floodplain management skills of its members and other professionals.

Article II. Purpose

The purpose of the Illinois Association for Floodplain and Stormwater Management is the following:

1. To promote public awareness of proper floodplain and stormwater management;
2. To promote the professional status of floodplain and stormwater management and ...
3. To keep individuals concerned with proper floodplain and stormwater management well informed through educational and professional seminars and to provide a method for dissemination of information, both general and technical...

*From the Constitution of the Illinois Association for Floodplain and Stormwater Management.*

This desk reference furthers the Association’s goals. It explains the floodplain management programs and requirements of the Federal and State government that floodprone communities need to implement:

- **The Federal** rules are established by the Department of Homeland Security’s Federal Emergency Management Agency (FEMA), which administers the National Flood Insurance Program (NFIP). The NFIP rules focus on protecting buildings. The NFIP provides the maps and many of the regulatory requirements for local floodplain management. It is also the primary source of insurance protection for floodprone properties. Its success depends on the people responsible for administering its mapping, regulatory, and insurance aspects.

- **The State** rules are set by the Illinois Department of Natural Resources-Office of Water Resources (IDNR/OWR). IDNR/OWR is controlled by State law to prevent development projects in floodplains from adversely affecting other properties.
IDNR’s program sets additional mapping and regulatory standards that better respond to flooding conditions in the State.

Both programs are targeted toward local communities, the level of government responsible for managing the development of land and construction of buildings. The Federal and State requirements that are in local ordinances can be summarized by five basic rules:

1. The floodplain administrator should check to make sure they have the latest flood maps and data published by FEMA. The latest maps must be used to administer the floodplain management ordinance.

2. A permit is required for all development in the SFHA shown on a FIRM.

3. Development must not increase the flood hazard on other properties.

4. New buildings must be protected from damage by the base flood.

5. If the cost of improvements or the cost to repair the damage exceeds 50 percent of the market value of the building, it must be brought up to the current floodplain management standards.

These rules are discussed in detail in the desk reference, referred to as ‘Basic Rule’ and highlighted in green in the text.

Contents: The desk reference is divided into 6 parts:

Part 1 introduces the kinds of floods common to communities in the United States, the concepts behind floodplain management, and the NFIP.

Part 2 reviews the various types of flood data needed to administer a floodplain management program and how to use the data provided in NFIP studies and maps.

Part 3 has six sections on the minimum regulatory requirements communities must enforce under the NFIP and to meet State requirements.

Part 4 discusses the steps needed to administer a floodplain management ordinance and the details on the special situations of dealing with changes to existing buildings.

Part 5 covers the relationship between flood insurance and your floodplain management program.

Part 6 reviews the things that a floodplain administrator needs to be ready for following a disaster and how they can make their community’s program more effective in reducing flood losses.

Certification: This desk reference was originally intended to prepare floodplain managers for the Illinois Association for Floodplain and Stormwater Management’s Floodplain Manager
Certification Exam. If you successfully pass all of the learning checks found in Section 25, you should be ready for the Certification Exam.

Check the Association’s website (www.IllinoisFloods.org) for more information on certification.

**Downstate/Northeastern Illinois:** State laws have set some different standards for the six northeastern Illinois counties (Cook, DuPage, Kane, Lake, McHenry, and Will). There are several places in this desk reference where these differences are noted.

Note that the IAFSM Certification Exam has questions on both sets of standards. If you want to be certified as a floodplain manager in Illinois, you need to be familiar with all the rules that apply in the State.

**Common acronyms:** The following acronyms are used most often in this desk reference. Others are listed in the Glossary in Section 21:

- **FEMA** – Department of Homeland Security’s Federal Emergency Management Agency
- **NFIP** – National Flood Insurance Program
- **IDNR/OWR** – Illinois Department of Natural Resources, Office of Water Resources
- **IAFSM** – Illinois Association for Floodplain and Stormwater Management
- **FIRM** – Flood Insurance Rate Map
- **SFHA** – Special Flood Hazard Area
- **BFE** – Base Flood Elevation
- **FPE** – Flood Protection Elevation
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Illustrations

Except as noted, all illustrations are from FEMA, IDNR, or French & Associates.