Floodplain Management 2010

State and Local Programs



Appendix

The Association of State Floodplain Managers
www.floods.org

APPENDIX

Introduction

This Appendix provides the supplementary tables for the *Floodplain Management 2010: State and Local Programs Final Report*, which provides a summary of state responses to the 2010 survey undertaken by the ASFPM. Similar surveys in 1989, 1992, 1995 and 2003 allowed the ASFPM to compile its national tally of the practices by which state and local governments manage their floodplains. This 2010 survey details what the states are doing in the floodplain management arena.

The tables in this Appendix compile data obtained through the Web-based survey sent to the State Floodplain Managers (NFIP Coordinators) in all 50 states, the District of Columbia, Puerto Rico, and the U.S. Virgin Islands. The questionnaire consisted of queries about many aspects of state and local floodplain management, budget and staffing levels, coordination techniques, regulations, and assessments of the status and future trends in floodplain management for each state's jurisdiction.

The digital survey itself was available via the internet and when printed was made up of approximately 55 pages of questions, often with several questions per page. Hence it became impractical to attempt to incorporate every question and response from the survey into the body of the report summary document. As a result, the more prominent questions and their responses are included in the body of the report and the comprehensive set of survey results is included in this Appendix. Responses to follow-up questions are based how individual states answered the initial question.

Complete responses were received from 39 states, the District of Columbia, and Puerto Rico (a response rate of 74%). Partial responses were received from 6 states while no responses were received from 8 states. Additionally, not all questions were answered by every state. See the following page (page 64) for a list of the responding states and status.

Like the survey itself and the main report, this document has been divided into ten individual sections that represent the Ten Guiding Principles of *Effective State Floodplain Management Programs (ASFPM 2003)* described in the introduction to the report.

The raw information underlying these tables is stored in a database maintained by the Association of State Floodplain Managers. Before being organized into tables, the data were verified when necessary. Many responses and explanations may have been edited for the sake of clarity or brevity.

The ASFPM website provides access to the following documents, data and analysis for download and viewing in addition to this Appendix:

- **Final Report**: The full report entitled *Floodplain Management 2010: State and Local Programs*. The original survey questions will also be available.
- **Individual State Surveys**: Detailed survey responses for a specific state.
- **Web-Based Mapping Portal**: The Web-map allows you to select a specific survey question and then view and compare how each participating state responded to that question.

For further information, go to the *Floodplain Management 2010 – State and Local Programs* survey webpage at www.floods.org. Select "*FPM 2010 – State & Local Programs*" from the "*Flood Maps & Data*" tab in the Table of Contents.

List of Responding States and Status

State or Territory	Status	State or Territory	Status
Alaska (AK)	Partially Complete	**North Carolina (NC)**	Complete
Alabama (AL)	Complete	**North Dakota (ND)**	Partially Complete
Arkansas (AR)	Complete	**Nebraska (NE)**	Complete
Arizona (AZ)	Complete	**New Hampshire (NH)**	Complete
California (CA)	Complete	**New Jersey (NJ)**	Complete
Colorado (CO)	Mostly Complete	**New Mexico (NM)**	Partially Complete
Connecticut (CT)	Complete	**Nevada (NV)**	Partially Complete
District of Columbia (DC)	Complete	**New York (NY)**	Complete
Delaware (DE)	Complete	**Ohio (OH)**	Complete
Florida (FL)	Partially Complete	**Oklahoma (OK)**	Complete
Georgia (GA)	Complete	**Oregon (OR)**	Partially Complete
Hawaii (HI)	Complete	**Pennsylvania (PA)**	Complete
Iowa (IA)	No Response	**Puerto Rico (PR)**	Complete
Idaho (ID)	Complete	**Rhode Island (RI)**	Complete
Illinois (IL)	Complete	**South Carolina (SC)**	Complete
Indiana (IN)	Complete	**South Dakota (SD)**	No Response
Kansas (KS)	Complete	**Tennessee (TN)**	Complete
Kentucky (KY)	Complete	**Texas (TX)**	No Response
Louisiana (LA)	Complete	**Utah (UT)**	Complete
Massachusetts (MA)	No Response	**Virginia (VA)**	No Response
Maryland (MD)	Complete	**U.S. Virgin Islands (VI)**	No Response
Maine (ME)	No Response	**Vermont (VT)**	Complete
Michigan (MI)	No Response	**Washington (WA)**	Complete
Minnesota (MN)	Partially Complete	**Wisconsin (WI)**	Complete
Missouri (MO)	Complete	**West Virginia (WV)**	No Response
Mississippi (MS)	Mostly Complete	**Wyoming (WY)**	Complete
Montana (MT)	Complete		

Table of Contents

Introduction 63
List of Responding States and Status 64
Survey Questions 73
PRINCIPLE 1: 73
1. 73
2. 74
3. 75
4. 77
5. 78
5.1. 79
6. 80
7. 83
7.1. 85
8. 85
9. 86
PRINCIPLE 2: 88
10. 88
13. 90
13.1. 91
14. 92
PRINCIPLE 3: 95
15. 95
15.1. 95
15.2. 96
15.3. 96
15.3.1. 96
15.4. 96
15.4.1. 97
15.5. 97
15.6. 97

15.7. 97
15.8. 97
15.9. 98
15.10. 98
15.11. 99
16. 99
17. 99
17.1. 100
17.2. 100
18. 101
19. 103
20. 103
21. 103
22. 104
23. 105
25. 105
26. 105
26.1. 106
28. 107
29. 107
30. 108
31. 109
31.1. 109
32. 110
33. 111
33.1. 112
33.2. 112
33.3. 112
33.4. 112
34. 113
34.1. 113

34.2. 114
34.3. 114
35. 114
36. 114
36.1. 114
36.3. 115
36.4. 116
36.5. 117
37. 117
37.1. 118
38. 118
38.1. 119
39. 120
39.1. 120
40. 120
PRINCIPLE 4: 121
41. 121
42. 122
43. 123
44. 125
46. 126
46.1. 126
47. 126
47.1. 127
48. 127
49. 128
50. 129
51. 129
51.1. 129
51.2. 130
51.3. 130

51.4. 130
52. 131
53. 132
54. 133
54.1. 133
55. 134
55.1. 134
PRINCIPLE 5: 135
57. 135
57.1. 135
57.2. 135
57.3. 135
58. 136
59. 137
60. 140
64. 141
64.1. 141
65. 143
66. 143
67. 143
70. 143
70.1. 143
71. 145
71.1. 145
72. 147
72.1. 147
72.2. 148
72.4. 149
72.5. 150
72.6. 150
72.8. 151

73. 151
74. 151
75. 151
76. 151
77. 153
78. 153
79. 154
79.1. 154
80. 156
80.1. 156
81. 156
81.1. 156
82. 158
83. 158
83.1. 158
84. 159
84.1. 159
PRINCIPLE 6: 161
85. 161
85.3. 162
85.4. 162
86. 163
86.1. 163
86.2. 165
86.3. 165
87. 166
89. 166
90. 167
91. 168
92. 169
93. 170

94. 171
94.1. 171
95. 172
95.1. 172
96. 173
97. 174
97.1. 174
98. 176
99. 177
100. 177
PRINCIPLE 7: 179
102. 179
104. 179
105. 179
106. 179
107. 181
108. 181
108.1. 181
108.2. 182
109. 183
110. 184
111. 185
112. 186
112.1. 186
113. 187
113.1. 187
PRINCIPLE 8: 189
114. 189
117. 190
117.1. 190
119. 191

119.1. 191
120. 193
121. 193
122. 195
123. 198
125. 199
127. 200
127.1. 200
129. 201
129.1. 201
129.1.1. 201
131. 203
PRINCIPLE 9: 205
132. 205
132.1. 205
133. 207
134. 208
135. 209
136. 210
137. 210
138. 211
138.1. 212
138.2. 213
139. 213
140. 214
140.1. 215
140.2. 215
141. 215
143. 217
144. 218
145. 219

146. 219
147. 219
PRINCIPLE 10: 221
148. 221
148.1. 221
148.2. 222
148.3. 223
148.4. 223
148.4.1. 223
149. 224
149.1. 224
149.4. 224
149.5. 225
149.6. 225
149.7. 225
149.8. 225
149.10. 225
149.10.1. 225
150. 226
150.1. 226

Survey Questions

PRINCIPLE 1:
State floodplain management programs need strong, clear authority.

1. What kind of agency operates your state's primary floodplain management program?

State	Environmental Protection/Natural Resources	Emergency Management/Military Affairs	Planning and Community Development	Other
AK			X	
AL			X	
AR	X			
AZ	X			
CA	X			
CO	X			
CT	X			
DC	X			
DE	X			
FL		X		
GA	X			
HI	X			
ID				Water Resources Agency
IL	X			
IN	X			
KS	X			
KY	X			
LA				LA DOTD-Public Works
MD	X			
MI	X			
MN	X			
MO		X		
MS		X		
MT	X			
NC		X		
ND	X			
NE	X			
NH			X	
NJ	X			
NM		X		
NV	X			
NY	X			
OH	X			
OK	X			
OR			X	
PA			X	
PR				Planning Board
RI		X		
SC	X			

State	Environmental Protection/Natural Resources	Emergency Management/Military Affairs	Planning and Community Development	Other
SD		X		
TN			X	
UT				Utah Dept of Public Safety Division of DHS
VT	X			
WA	X			
WI	X			
WY		X		

2. Which of these describes the division of authority for floodplain-related action in your state?

State	The state explicitly or implicitly grants full regulatory authority to communities and retains no clearly defined regulatory role at the state level	The state splits authority with communities by granting authority to regulate some areas of the floodplain or some activities, while retaining sole regulatory jurisdiction over certain areas of the floodplain or certain activities	The state and communities have overlapping or shared regulatory authority over the same area and/or same activities
AK	X		
AL	X		
AR	X		
AZ	X		
CA		X	
CO	X		
CT		X	
DC			X
DE	X		
FL		X	
GA	X		
HI		X	
ID	X		
IL		X	
IN			X
KS			X
KY			X
LA	X		
MD		X	
MI			X
MN		X	
MO	X		
MS	X		
MT	X		
NC		X	
ND			X
NE	X		
NH	X		

State	The state explicitly or implicitly grants full regulatory authority to communities and retains no clearly defined regulatory role at the state level	The state splits authority with communities by granting authority to regulate some areas of the floodplain or some activities, while retaining sole regulatory jurisdiction over certain areas of the floodplain or certain activities	The state and communities have overlapping or shared regulatory authority over the same area and/or same activities
NJ			X
NM	X		
NV	X		
NY	X		
OH		X	
OK	X		
OR	X		
PA			X
PR		X	
RI	X		
SC	X		
SD	X		
TN	X		
UT	X		
VT	X		
WA			X
WI	X		
WY	X		

3. What enabling legislation exists within your state for the following policies and where does authority lie in relation to those policies?

- Floodplain management (FPM)
- Floodplain resource protection (FRP)
- Floodplain permitting (FPT)
- Growth management (GM)
- Adverse impact minimization (AIM)
- Land use planning (LUP)
- Zoning (Z)
- Subdivision ordinances (SO)
- Watershed-based planning (WBP)
- Stormwater management (SWM)
- Public stream/wetland alterations (PSWA)

State	No Policy Exists within State	State Authority	State-enabled Local Authority	No State Authority Required	No policy Exists within State
AK			FPM, FRP, FPT, GM, AIM, LUP, Z, SO, WBP, SWM, PSWA		
AL			FPM, FRP, FPT, GM, AIM, LUP, Z, SO, WBP, SWM, PSWA		
AR		AIM, PSWA	FPM, FPT, LUP, Z, SO, WBP, SWM		FRP, GM
AZ			FPM, FRP, FPT, GM, AIM, LUP, Z, SO, WBP, SWM, PSWA		
CA		FPM, FRP, PSWA	FPT, GM, AIM, LUP, Z, SO, WBP, SWM		
CO			FPM, FRP, FPT, SO, WBP, SWM, PSWA		AIM, LUP, Z

State	No Policy Exists within State	State Authority	State-enabled Local Authority	No State Authority Required	No policy Exists within State
CT		WBP, SWM	FPM, FRP, FPT, AIM, PSWA	GM, LUP, Z, SO	
DC		FPM, FRP, FPT, GM, AIM, LUP, Z, SO, WBP, SWM, PSWA			
DE	AIM, WBP	FRP, SWM, PSWA	FPM, FPT, GM, LUP, Z, SO		
FL		FPM, FRP, AIM, WBP, SWM, PSWA	FPT, GM, LUP, Z, SO		
GA	AIM	GM, WBP, SWM, PSWA	FPM, FRP, FPT, LUP, Z, SO		
HI		FPM, LUP, Z, WBP, PSWA			FRP, FPT, GM, AIM, SO, SWM
ID			FPM, FRP, FPT, LUP, Z, SO, PSWA	SWM	GM, AIM, WBP
IL		AIM, PSWA	FPM, FRP, FPT, SO, SWM		GM, LUP, Z, WBP
IN		FPM, FRP, FPT, GM, AIM, LUP, Z, SO, WBP, SWM, PSWA			
KS		FRP, FPT, AIM, SWM, PSWA	FPM, LUP, Z		GM, SO, WBP
KY	GM, AIM	FPM, FRP, FPT, WBP, PSWA	LUP, Z, SO, SWM		
LA	FRP, GM, WBP, SWM	AIM, Z	FPM, FPT, LUP, SO, PSWA		
MD		FRP, FPT, PSWA	FPM, GM, AIM, LUP, Z, SO, WBP, SWM		
MI	GM	FPM, FRP, FPT, AIM, SO, SWM, PSWA	LUP, Z	WBP	
MN		PSWA	FPM, FRP, FPT, GM, AIM, LUP, Z, SO, WBP, SWM		
MO	AIM	WBP, PSWA	FPM, FRP, FPT, GM, LUP, Z, SO, SWM		
MS		PSWA	FPM, FPT, GM, LUP, Z, SO, SWM		FRP, AIM, WBP
MT		WBP	FPM, FRP, FPT, GM, LUP, Z, SO, SWM, PSWA		AIM
NC		FRP, PSWA	FPM, FPT, LUP, Z, SO, WBP, SWM	GM	AIM
ND		FPM, PSWA	FPT, LUP, Z, SO	SWM	FRP, GM, AIM, WBP
NE	FRP, GM, AIM, WBP		FPM, FPT, SWM, PSWA	LUP, Z, SO	
NH	AIM	PSWA	FPM, FRP, FPT, GM, LUP, Z, SO, WBP, SWM		
NJ		FPM, FRP, FPT, GM, AIM, LUP, WBP, SWM, PSWA		Z, SO	
NM		FRP	FPM, LUP, Z, WBP, SWM	FPT	GM, AIM, PSWA
NV			FPM, FRP, FPT, GM, AIM, LUP, Z, SO, WBP, SWM, PSWA		
NY		PSWA	FPM, FRP, FPT, GM, AIM, LUP, Z, SO, SWM		WBP
OH			FPM, FPT, LUP, Z, SO, WBP, SWM, PSWA	FRP, GM, AIM	

State	No Policy Exists within State	State Authority	State-enabled Local Authority	No State Authority Required	No policy Exists within State
OK	FRP,	SWM, PSWA	FPM, FPT	GM, AIM, LUP, Z, SO, WBP	
OR		GM, PSWA	FPM, FRP, FPT, LUP, Z, SO, SWM		AIM, WBP
PA	GM, AIM, WBP, PSWA	FRP	FPM, FPT, LUP, Z, SO, SWM		
PR		FPM, FRP, FPT, GM, AIM, LUP, Z, SO, WBP	SWM, PSWA		
RI	AIM	GM, WBP, SWM, PSWA	FPM, FRP, FPT, LUP, Z, SO		
SC		SWM, PSWA	FPM, FRP, FPT, GM, AIM, LUP, Z, SO, WBP		
SD			FPM, FPT		
TN		PSWA	FPM, FPT, GM, LUP, Z, SO, SWM	FRP	AIM, WBP
UT			FPM, FRP, FPT, GM, AIM, LUP, Z, SO, WBP, SWM, PSWA		
VT		WBP, SWM, PSWA	FPM, FRP, FPT, GM, AIM, LUP, Z, SO		
WA			FPM, FRP, FPT, GM, LUP, Z, SO, WBP, SWM, PSWA		AIM
WI		FRP, PSWA	FPM, FPT, GM, LUP, Z, SO, WBP, SWM		AIM
WY			FPM, FRP, FPT, GM, AIM, LUP, Z, SO, WBP, SWM, PSWA		

4. What statewide standards have been established by your state for the activities listed below? Please indicate if the standards were created by Governor's Executive Order or the State Legislature:

- Floodplain management (FPM)
- Wetlands protection (WP)
- Hazard mitigation coordination (HMC)
- Other floodplain-related matters (OFRM)

State	Executive Order	Legislative	Neither or Not applicable
AK	FPM, OFRM		WP, HMC
AL	FPM, HMC	WP	OFRM
AR		FPM, WP, HMC, OFRM	
AZ	FPM	HMC	WP
CA		FPM, WP, HMC	
CO	FPM, OFRM		WP, HMC
CT		FPM, WP	HMC, OFRM
DC		FPM, WP, HMC, OFRM	
DE	HMC	WP	FPM, OFRM
FL		FPM, WP, HMC, OFRM	
GA	FPM, HMC		OFRM
HI	FPM	HMC	WP, OFRM
ID	HMC, OFRM	FPM	WP
IL	OFRM	FPM, WP	HMC
IN		FPM, WP, HMC, OFRM	

State	Executive Order	Legislative	Neither or Not applicable
KS	HMC	FPM, WP, OFRM	
KY	HMC	FPM, WP	OFRM
LA	HMC	FPM	WP, OFRM
MD		FPM, WP, HMC	
MI	OFRM	FPM, WP	
MN		FPM, WP, HMC, OFRM	
MO		FPM, WP, HMC, OFRM	
MS	HMC	FPM, WP	OFRM
MT		FPM, WP, HMC, OFRM	
NC		FPM, OFRM	WP, HMC
ND		FPM, HMC	WP, OFRM
NH	FPM	WP	HMC, OFRM
NJ	HMC	FPM, WP, OFRM	
NM		FPM, HMC	WP, OFRM
NV	FPM		
NY		FPM, WP, HMC	OFRM
OH		FPM, WP	HMC
OK		FPM, WP, HMC	
OR			FPM, WP, HMC, OFRM
PA		FPM, WP, HMC	OFRM
PR	HMC	FPM, WP	OFRM
RI		WP	FPM, HMC
SC	FPM, HMC	WP, OFRM	
TN		FPM, WP	HMC, OFRM
UT		OFRM	FPM, WP, HMC
VT	FPM	WP, OFRM	HMC
WA	WP	FPM, HMC, OFRM	
WI		FPM, WP	HMC, OFRM
WY			FPM, WP, HMC, OFRM

5. Since 2003, what state regulatory changes have affected floodplain management within your state?

State	Enabling Legislation	Enforcement Authority	Executive Orders	Opinions by Attorney General	Case Law	Planning Functions	Natural Resources Protection	Mandatory Disclosure	Liability /takings Limits	Dam Regulation	Levee Regulation	Funding and Taxation	Other
AL													No changes
AZ	X												
CA	X	X			X		X				X	X	
CO						X							
CT	X							X					
DC		X											
DE						X				X			
FL	X	X				X	X					X	
GA	X												
HI										X			

State	Enabling Legislation	Enforcement Authority	Executive Orders	Opinions by Attorney General	Case Law	Planning Functions	Natural Resources Protection	Mandatory Disclosure	Liability /takings Limits	Dam Regulation	Levee Regulation	Funding and Taxation	Other
IL			X										
IN	X	X						X					
LA											X		Statewide Building Code Enf.
MD													N/A
MI													Not necessarily award of changes in the above that have affected fp mgt. since 2003.
MN	X				X							X	
MO													None of the above
MS					X								
MT													HB129
ND	X												
NH	X												
NM	X	X	X							X	X		
NV			X										
NY										X			
OH	X	X									X		
OK	X												
PR			X								X		
SC				X									
TN													No changes
VT				X	X								
WA				X		X						X	
WI	X						X			X		X	

5.1. Please explain any changes in authority you designated above.

State	Response
AR	Accreditation of local floodplain administrators
AZ	48-3615.01. Notice of violation; hearing; final decision; civil penalty; injunctive relief
CO	none that I am aware of
DC	In 2006, floodplain management functions were relocated from the Department of Health to the newly established the District Department of the Environment.
HI	Updated statutory requirements for dam ownership.
IL	Updated Executive Order in 2005
IN	State law regulations on state permitting in the floodway was amended to allow reconstruction of homes in the floodway.
MD	No direct regulatory changes during this period (State revision of Model Floodplain Ordinance Underway), but significant improvement in the processing of state permits and coordination/integration of FEMA data has begun due to Map MOD since 2003.
MS	3/26/10: Big Bay Dam lawsuit settled that found the dam owner liable for damages to 123 structures due to sunny

State	Response
	day failure.
MT	HB-129 - Delegates floodplain map adoption authority.
ND	Enactment of State floodplain management standards concerning elevation +1' over BFE and dry floodproofing +2' over BFE
NH	In 2006, state legislation was passed that allows the governing body of community to adopt new FEMA floodplain maps through a resolution, which allows the community to then revise their floodplain ordinance with the new map date. Prior to 2006, the only way for a community to amend the map date in their floodplain ordinance was through Town Meeting, which only occurs once a year.
NM	All dams 10 acre feet 20' high must be permitted and have Emergency Action Plans (EAPS) if structures are down stream from dams. Levees are identified as urban, agricultural, or rural. The levees must show being certified, certifiable, or decertified.
NY	New dam safety regulations have been passed that upgrade dam owner inspection requirements.
OH	In 2007 ORC1521 was clarified to strengthen State's role with State financed, funded, or undertaken SFHA-development.
OK	Mandatory training for all designated Floodplain Administrators. Each participating community required to have designated FPA.
PR	An opinion issued thru an Executive Order by the Department of Natural and Environmental Resources, DNER, defining its jurisdiction only over the rivers and for those projects that discharge the stormwater to wetlands, and other natural resources, excluding the DNER to evaluate cases in the floodplain.
SC	Auto-adoption clause of flood maps;
VT	As a result of a state supreme case (Woodford Packers), the court found that the Agency of Natural Resources could evaluate fluvial erosion hazards, in addition to the FEMA inundation floodway, when considering impacts to public safety under Act 250, Criterion 1(D) - Floodways.
WA	Opinions by AG have clarified: ordinance language, floodway restrictions, and substantial improvement. Planning functions for other programs - Growth Management & Shoreline Management have overlapping jurisdiction with floodplains which has prompted additional training and ordinance review. Funding & taxation have affected the amount of state funds available for flood hazard mitigation planning and projects.
WI	State administrative code changed to exclude certain small decks from nonconforming 50% provisions. State water regulation statutes changed to reduce agency role in floodplain determinations for certain projects. Large dam owners now responsible for routine inspections. Program budget cut several times and three FT positions are unfilled.

6. Since 2003, what have been the two most significant evolutionary changes in your state program in response to any sort of event: e.g., state laws or programs, federal initiatives, floods, political or economic climate, public interest, etc?

State	Response
AR	Accreditation of local floodplain administrators and issues related to map modernization
AZ	Map Modernization and Limited state funding for floodplain management
CA	In 2006 and 2007 the seven California flood bills (Senate Bill 5, Senate Bill 17, Assembly Bill 5, Assembly Bill 70, Assembly Bill 156, Assembly Bill 162, Assembly Bill 2140) created many new mandated floodplain management responsibilities and provided bond funding for their execution.
CO	The State is in the process of updating its Floodplain Rules and Regulations to implement higher regulatory standards for floodplain management, including a 1ft freeboard standard, .5ft floodway, and higher protection for critical facilities.
CT	May 21, 2004, Public Act 04-144, "An Act Concerning Floodplain Management and Hazard Mitigation" signed into law. Imposed land use fee to fund state hazard mitigation fund, real estate disclosure of flood hazard, state will incorporate natural hazards into next revision of plan of conservation and development, enable municipalities to Access state LoCIP funds to mitigate hazards, NAI language addressing compensatory storage and equal conveyance

State	Response
	to be added to local zoning regulations at time of FEMA FIRM update.
DC	(1) Revisions to the DC 1985 FIRM, FIS and ordinance to new digitized FIRM adopted in September 27, 2010. The District's 1985 Flood Hazard Rules (20 DCMR, Chapter 31) or the floodplain ordinance have also been revised to incorporate new changes required by FEMA. The revised flood hazard rules adopted in September 24, 2010 clearly define roles and responsibilities of District's agencies (i.e., District Department of the Environment as the Floodplain Administrator; and Department of Consumer and Regulatory Affairs as Building Code Official. (2) Since the issuance of the preliminary FIRM in 2007 leading to the effective date September 27, 2010, there was a significant increase in public interest in floodplain management, and flood risk awareness in the District.
DE	Governor's Surface Water Task Force created the funding mechanism for surface water management.
FL	1. After 8 hurricanes in less than 2 years (2004 and 2005), Florida's Division of Emergency Management has tremendously improved their operations, specifically by 1) developing the ability to ramp up quickly with additional resources and 2) implementing an effective exercise and training program for statewide readiness. These activities have a positive impact on the ability of the NFIP staff to respond effectively post-disaster. 2. After the above mentioned storms, the state NFIP work diminished and Florida ultimately withdrew from the CAP-SSSE program for a number of years. In 2008, the State re-committed to NFIP partnership and hired a state coordinator in March of 2009. Now (early 2010), the CAP-SSSE program has been re-established and the NFIP staff are actively pursuing stronger partnerships with both local communities and FEMA. We have several statewide floodplain initiatives in mind as we move forward over the next several years. For example, we are currently working to incorporate the 2009 I-Code flood-resistant standards into our statewide building code.
ID	A 2010 opinion by the attorney general said irrigation entities are not exempt from the floodplain management statute. In response the Idaho Water users sponsored legislation (just passed) that says they are not subject to local governments for maintenance and repair activities. The conflict remains that some drainages are considered ditches or canals by irrigation entities, but they are considered special flood hazard areas by cities and counties. The irrigation entities refuse to comply with the local governments' requests to get floodplain development permits.
IN	The State's response in supporting communities after flood events has improved. Have better recovery response in local communities. State law change allowing reconstruction of homes in floodways has increased potential for future flood damages in communities.
KS	Floods, federal initiatives related to levees.
LA	Katrina/Rita; Legislative Enactment of Statewide Building Codes
MD	1. Map MOD Updates with State taking lead as CTP in 17 counties, 2/3 of state, to upgrade information on the DFIRM's (remainder of the state had various degrees of upgrades in remaining 7 counties. The State's permitting functions and responsibilities have been more closely aligned with FEMA maps and studies for better coordination between state and local programs. 2. Sea-level rise and climate change review and evaluation recently completed by Governors task force on Climate Adaptation and Response. Currently considering building options and legislative changes due to task force recommendations.
MI	None identified.
MO	The Map Modernization program has shifted Floodplain Management staff time to CTP management, public meetings and floodplain ordination adoption. Increased enrollment for communities not previously mapped.
MS	Reorganization of MEMA to create a FPM Bureau with five authorized staff.
NC	Hurricanes Ivan and Frances in 2004 heightened awareness of flood risks in the western part of the State and resulted in increased funding for the Phase 3 of the statewide mapping program. NC granted the delegation for all MT-2's. This prompted a MOA with the NCDOT for assuring NFIP compliance for all new construction and maintenance activities in the SFHA.
ND	1 - The conditioning of local government to seek out FEMA flood recovery dollars as the result of flood events and the subsequent presidentially declared disaster.
NH	One significant change was the 2006 state legislation that allows communities to adopt new floodplain maps at any time rather than only once a year.
NJ	None
NM	Map Modernization has caused owners behind levees to purchase Flood Insurance. These communities were afforded protection as Zone X. Now because levees are uncertifiable they are Zone D.
NY	2006 floods led to state priority for buyouts using HMGP funds as well as a state allocation of $15 million for

State	Response
	buyouts of flood damaged properties. New DFIRMs has led to public and media resistance to new flood maps.
OH	Increased preemption from local SFHA-development permitting authority by state agencies without subsequent state level compliance ensured by preempting authority.
OK	See above. 20 workshops this year to accomplish the training requirement. Partnership OFMA and implementation of the Disaster Response Team (DRT). Focusing on helping communities with substantial damage assessment after a flood.
PA	None
PR	Basically the requisites to certify and recognize the existing levees and the above mentioned on question 5.1
SC	Federal initiatives (map modernization and unified hazard mitigation); increases in premiums have increased homeowner questions in light of the economy. The economy has also increased builder interest on ways to cut design costs.
TN	The most significant change has been in regard to the Map-Modernization Program & the resulting new maps placed on the state digital base. This has resulted in renewed NFIP interest by past non-participant communities improving NFIP participation among local communities.
UT	The Utah State Legislature does not prohibit communities from automatically adopting FEMA FIS, and FEMA FIRMs. Many Utah communities are not adopting automatic Special Flood Hazard Area ordinances with automatic adoption clauses.
VT	1) The state River Management Program's geomorphic assessment and fluvial erosion hazard mapping program grew substantially. As a result, we have geomorphic assessment data on thousands of river miles. Fluvial erosion hazard maps are being created to inform the state, regional, and local hazard mitigation plan updates. A number of communities have adopted fluvial erosion hazard overlay districts in addition to NFIP minimum standards. 2) With the infusion of additional CAP-SSSE and MMMS funds, the floodplain management section, within the River Management Program, was able to add two FTEs. The additional floodplain management staff have greatly enhanced the NFIP Coordinator's ability to promote robust local management of river corridors including avoidance of flood inundation and erosion prone areas.
WA	Federal FEMA initiative for Map Modernization. Endangered Species Act court decision on NFIP to implement Natl. Marine Fisheries Service Biological Opinion.
WI	Map modernization demands have significantly curtailed other floodplain management work. Cutbacks at regional level have hampered enforcement efforts.
WY	None

7. Which agencies in your state have oversight or monitoring responsibilities for floodplain management regulations or standards that are based on state (not local) law?

State	Agricultural Extension Service	Agriculture & Food Safety	Climate Change	Coastal Zone Management	Emergency Management	Environment. Protect./Nat. Resources	Forestry	Game & Fish or Fish & Wildlife	Historic Pres. Office	Hous. Comm. & Econ. Dev.	Ins. Comm. Agcy & Flood Insurance	Mining of Aggregates	Parks & Recreation	Public Service Commission	State Building Code	State Dam Safety	State GIS Office or Coord. (GIO)	State Geological Survey	State Health Department	State Planning Agency	State Transport. Agency	State University or College	Water Resources Agency	Wild & Scenic Rivers	Other
AL																							X		
AR						X										X			X		X		X		
AZ					X											X					X		X		
CA					X	X										X							X		
CO						X																	X		
CT						X																			
DC					X	X									X										
FL					X	X									X				X	X			X		
GA																									X
ID					X																		X		
IL		X				X										X							X		
IN				X		X									X	X			X						
KS		X				X																			
KY						X										X									
LA																					X				
MD					X	X										X									
MN						X																			
MO											X					X					X				
MS					X																				
MT																							X		
NC				X	X										X										
ND						X																			
NE																									X
NH						X																			
NJ				X		X									X	X									
NM					X																				
NY						X									X										
OH						X																			
OK																							X		

State	Agricultural Extension Service	Agriculture & Food Safety	Climate Change	Coastal Zone Management	Emergency Management	Environment. Protect./Nat. Resources	Forestry	Game & Fish or Fish & Wildlife	Historic Pres. Office	Hous. Comm. & Econ. Dev.	Ins. Comm. Agcy & Flood Insurance	Mining of Aggregates	Parks & Recreation	Public Service Commission	State Building Code	State Dam Safety	State GIS Office or Coord. (GIO)	State Geological Survey	State Health Department	State Planning Agency	State Transport. Agency	State University or College	Water Resources Agency	Wild & Scenic Rivers	Other
OR															X					X					
PA						X				X					X										
PR					X	X				X					X	X				X					X
PW																									
RI						X									X					X					
SC				X											X								X		
UT																									X
VT						X																			
WA						X									X										
WI				X		X									X	X					X				

State	Other
GA	For the fifteen counties around metro-Atlanta that comprise the Metropolitan North Georgia Water Planning District, Environmental Protection has state authority for oversight of floodplain management and stormwater related issues, water quality and water protection.
NE	Department of Natural Resources
PR	Regulations and Permits Administration
UT	Although the State cannot be more restrictive than the Federal minimum the Utah State NFIP Coordinator oversees related matters.

7.1. If no state agencies have oversight responsibility, where does such authority lie, according to state law?

State	Local Government	Regional Govt./Special Govt. District	Tribal	Federal Authority	Other
AK	X			X	State Coordination and assistance
AR	X				
CO	X				
DE	X				
FL	X				
GA	X				
HI	X			X	
LA	X				
NM	X				
NV	X				
TN	X				
UT	X				
VT	X				
WY	X				

8. What authority does your state have to enforce local floodplain management standards?

State	Authority resides with community	Authority is Shared Between State and Community	Authority is Shared among State, Community and FEMA	Authority is Shared between FEMA and Community	State has Final Authority
AK				X	
AL	X				
AR	X				
AZ		X			
CA			X		
CO	X				
CT		X			
DC					X
DE	X				
FL			X		
GA	X				
HI			X		
ID				X	
IL		X			
IN		X			
KS		X			
KY	X				
LA				X	
MA					
MD			X		
MN	X				

State	Authority resides with community	Authority is Shared Between State and Community	Authority is Shared among State, Community and FEMA	Authority is Shared between FEMA and Community	State has Final Authority
MO		X			
MS	X				
MT	X				
NC	X				
ND			X		
NE	X				
NH		X			
NJ		X			
NM			X		
NV				X	
NY				X	
OH		X			
OK	X				
OR	X				
PA		X			
PR		X			
RI		X			
SC	X				
TN	X				
UT	X				
VT	X				
WA			X		
WI			X		
WY	X				

9. Please indicate which of the following state enforcement actions are available for violations of state floodplain management standards.

State	Injunction	Remedial Action	Money Damages	Writ of Mandamus	Fine	Citation	Appeal Local Decision	Overrule Local Decision	Consent Decree	Other
AR										Notify FEMA
AZ		X								
CA		X			X					
CO										Notice of violation and working with local communities to correct deficiencies
CT		X			X					
DC	X				X	X				Civil Infractions

State	Injunction	Remedial Action	Money Damages	Writ of Mandamus	Fine	Citation	Appeal Local Decision	Overrule Local Decision	Consent Decree	Other
FL	X	X	X		X	X		X		Florida's floodplain management program has no direct authority for regulation or enforcement, but other state agencies such as DEP, WMD, and DOT under their respective authorities may enforce regulations that can affect floodplain conditions and use all of the above enforcement tools.
ID										Hazard mitigation funds
IL		X								
IN		X	X		X		X	X		Work out without legal action, voluntary compliance
KS		X								
KY		X			X					
MD		X	X		X	X			X	Permit revocation
MN	X			X			X		X	
MT										Take over the local permitting program
NC	X	X	X	X	X	X				
ND										No floodplain violations have been cited by the State's floodplain authority
NH	X				X					
NJ		X			X					
NM					X	X				
OH	X									
PA										Withholding of state funds to municipalities
PR	X	X			X					
RI							X			
UT										N/A
WA		X		X	X		X	X		
WI	X	X	X	X	X	X	X	X	X	

PRINCIPLE 2:
State floodplain management programs should be comprehensive and integrated with other state functions.

10. Is your state compliant with the NFIP? That is, is it meeting all the requirements of 44 CFR 60.25 (summarized below)?

1. Enact legislation enabling counties and municipalities to regulate development within flood-prone areas;
2. Encourage and help communities qualifying for participation in the NFIP;
3. Assist county and municipal public bodies and agencies in developing, implementing, and maintaining local floodplain management regulations;
4. Provide local governments and the public with NFIP information on the coordination of local, Federal, and State floodplain management requirements;
5. Help communities in disseminate information on minimum elevation requirements;
6. Assist in the delineation of riverine and coastal flood-prone areas and supply relevant technical information to the NFIP;
7. Recommend priorities for Federal floodplain management activities based on the needs of localities within the State;
8. Notify the NFIP of apparent irreconcilable differences between a community's local floodplain management program and the minimum requirements of the NFIP;
9. Establish minimum State floodplain management regulatory standards consistent with those of the NFIP and other Federal and State environmental and water pollution standards for preventing pollution during flooding;
10. Assure coordination and consistency of floodplain management activities with other State, area-wide and local planning and enforcement agencies;
11. Assist in the identification and implementation of flood hazard mitigation recommendations which are consistent with the minimum floodplain management criteria of the NFIP;
12. Participate in floodplain management training opportunities and other flood hazard preparedness programs whenever practicable

State	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
AK	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes
AL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AZ	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes		Yes	Yes
CA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes
DC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes
FL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HI	Yes	Yes	Yes	Yes	Yes		Yes	Yes				Yes
ID	Yes	Yes	Yes	Yes			Yes	Yes		Yes	Yes	Yes
IL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IN	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

State	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
KS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
KY	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MN	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes
MS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ND	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes
NE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NJ	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes
NV	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes
NY	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes
OH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OK	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes
OR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RI		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TN	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes
UT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes
WA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WY	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

13. Considering your program's overall effort, including time, personnel and funding, what proportion of your state's floodplain management program is devoted to the following? (Enter a value between 0 and 100 for each - All efforts should total 100%)

State	State permit review	Monitoring and technical assistance to local programs	Mapping or engineering	Promoting sale of flood insurance	Protection of natural floodplain resources and functions	Education and training for local officials, public, consultants, developers, etc.	Enforcement of state regulations and standards	Helping with enforcement of local ordinances	Grant programs	Other
AK	5	25	5	5	10	25	1	14	5	5
AL		50	5	10	5	15		15		
AR		30	10	5	5	25	5	10	5	5
AZ		60	20	1		10	4	4	1	
CA	5	30	30	5	5	20			5	
CO	5	10	20	10	20	10	10	5	5	5
CT		20	35	5		15	5	10	10	
DC	20	15	10	5	5	20	10	10	5	
DE		60	10	5		10		5	10	
FL		75	5			10		5	5	
GA		25	25	10		25				15
HI		15	10	10		15		50		
ID		35	5	2	2	20	1	5	10	20
IL	50	40	5		1	1	1	1	1	
IN	30	20	10	1	5	10	10	13	1	
KS	15	5	18	5	10	17	15	5	10	
KY	30	20	15	2	5	5	10	8		5
LA		65	5	5		15		10		
MD	25	10	10	1	4	20	5	10	15	
MN	15	25	25	1	5	10	5	4	10	
MO	5	10	25	5	5	25	5	20		
MS		25	15	5	5	20		25	5	
MT	8	20	35	2	3	15	2	10	5	
NC	10	35	20	2	3	20	5	5		
ND	5	30	15	1	1	20	10	15	1	2
NE		38	25	2	2	3	5	5	20	
NH	5	40	5	5	5	15	5	20		
NJ	5	15	25			10	5		2	38
NV		25	15			25		10	25	
NY		60	15		3	5	2	15		
OH	1	33	28	6	1	10	1	19	1	
OK	10	15	5	10	5	35	5	10	5	
OR		25	30			10		5	30	
PA	1	80	1	1	2	10	2	2	1	

State	State permit review	Monitoring and technical assistance to local programs	Mapping or engineering	Promoting sale of flood insurance	Protection of natural floodplain resources and functions	Education and training for local officials, public, consultants, developers, etc.	Enforcement of state regulations and standards	Helping with enforcement of local ordinances	Grant programs	Other
PR	30	10	3	1	2	10	30	10	1	3
RI	5	20	5	5	15	20	15	5	10	
SC	0.5	30	30	1	2	21	0.5	5	10	
TN		35	5	5	10	25		20		
UT	23	17	10	10	10	10	10	5	5	
VT	20	20	15	2	20	10		13		
WA		40	15	2	5	10	4	4	20	
WI		30	20	5	5	20	5	10	5	
WY		40	10	10		15		15	10	

13.1. If you included any value for “Grant programs” above, what proportion of your state’s floodplain management grant program is devoted to the following? (Enter a value between 0 and 100 for each - All efforts should total 100%)

State	Mitigation Planning	Mitigation Implementation	Other	Please Explain
AK	25	30	45	Manage FMA, RFC and SRL applications and grants when applicable.
AR			100	Review of grant applications from other agencies
AZ	100			
CA	50	50		
CO	50	50		
CT	65	35		
DC	25	40	35	Administration
DE	60	40		
FL		100		The State has a mitigation planning unit that oversees and supports mitigation planning across the state. These planners work closely with both the mitigation grants staff and the NFIP staff.
ID			100	I do all the grant management for the CAP-SSSE and CTP grants
IL		25	75	Most time spent on grant management
IN	50	50		
KS	70	30		
MD	35	55	10	
MN	10	90		
MO			100	
MS			100	State Hazard Mitigation Council

State	Mitigation Planning	Mitigation Implementation	Other	Please Explain
MT	80	20		
NE	90	10		
NJ	10	65	25	USGS stream gage program, floodplain mapping
NV	50	50		
OH	100			Participate on State Hazard Mitigation Team
OK	80	20		
OR	5	95		Again, this question is impossible to answer. Compares construction costs with planning hours. Answer above is in $
PA			100	Reimbursement for local ordinance preparation, administration and enforcement (50%) under PA Act 166
RI	75	25		
SC	5	5	90	Staffing issues have had an impact on the ability to build these areas. Now that we are fully staffed this should improve.
UT	40	40	20	Flood Mitigation Assistance and related matters.
WA	40	50	10	Public Information/awareness, training & monitoring
WI	50	50		
WY	50	50		

14. Please indicate the division of work between the FEMA Regional Office and your office, for each of the following activities.

- Community Assistance Visits (CAV)
- Community Assistance Contacts (CAC)
- Workshops – NFIP Related (NFIP)
- Outreach (OUTR)
- Ordinance Reviews (ORDR)
- General Technical Assistance (GTA)
- Engineering Assistance (EA)
- Planning Assistance (PA)
- Submit for Rate Applications (SRA)
- Repetitive Loss Activities (RLA)
- Insurance-Related Activities (IRA)
- Pre-disaster Mitigation Activities (PDM)

State	Always State	Mostly State	Evenly Split	Mostly FEMA Region	Always FEMA Region	Not Applicable
AK		NFIP, OUTR, EA, SRA	CAV, CAC, GTA, IRA, PDM	PA	RLA	
AL	GTA, IRA	CAV, CAC, NFIP, OUTR, EA, PA, SRA		PDM	RLA	
AR		CAV, CAC, NFIP, EA	GTA, SRA	OUTR, PA, IRA, PDM	RLA	
AZ	CAC, NFIP	CAV, OUTR, GTA, EA		PA, SRA, PDM	RLA, IRA	
CA		CAV, CAC, NFIP	GTA, EA, PA, SRA	OUTR, PDM	RLA, IRA	
CO		CAV, CAC, NFIP, OUTR, GTA, EA, PA, SRA, IRA	PDM		RLA	

State	Always State	Mostly State	Evenly Split	Mostly FEMA Region	Always FEMA Region	Not Applicable
CT	GTA	CAV, CAC, NFIP, OUTR, EA, PA, SRA, RLA, IRA, PDM				
DC	EA, SRA	NFIP, GTA, IRA	OUTR, PDM	PA	RLA	CAV, CAC
DE		CAV, CAC, NFIP, OUTR, GTA, EA	PA, PDM	RLA, IRA		SRA
FL		CAV, CAC, NFIP, OUTR, SRA	EA, IRA	GTA	PA, RLA, PDM	
GA		CAV, CAC, GTA	NFIP, OUTR, EA, PA, SRA, IRA	PDM	RLA	
HI		CAV, CAC, OUTR, GTA, EA	SRA	NFIP, PA, RLA, IRA, PDM		
ID		CAV, CAC, NFIP, OUTR, EA	GTA	PDM	PA, RLA, IRA	SRA
IL	CAV, CAC, NFIP, GTA, PA, RLA, IRA	OUTR, EA, SRA, PDM				
IN		CAV, CAC, NFIP, OUTR, GTA, EA, PA, SRA	IRA	RLA, PDM		
KS	CAC, GTA	CAV, NFIP, OUTR	EA, PA	SRA, PDM	RLA, IRA	
KY		CAV, CAC, NFIP, OUTR, GTA, EA, PA, SRA	IRA, PDM	RLA		
LA	CAC, EA	CAV	OUTR	NFIP, GTA, RLA, IRA, PDM	PA	SRA
MD	GTA	CAV, CAC, NFIP, OUTR, EA, PA, SRA, IRA		PDM	RLA	
MN	CAV, CAC, NFIP, GTA	OUTR, EA, PA, SRA	IRA	RLA, PDM		
MO	NFIP, OUTR, EA, SRA	CAV, CAC, GTA, PA		PDM	IRA	RLA
MS		CAV, CAC, NFIP, GTA, EA, SRA	OUTR, PDM	PA, RLA, IRA		
MT	NFIP, PA, SRA	CAV, CAC, OUTR, GTA, EA, IRA, PDM			RLA	
NC	OUTR, GTA, EA, PA	CAV, CAC, NFIP, SRA, IRA, PDM		RLA		
ND	EA, SRA	PA	CAV, CAC, OUTR, IRA, PDM	NFIP, GTA	RLA	
NE	CAC	CAV, GTA, EA, PA	NFIP, OUTR, SRA	IRA, PDM	RLA	
NH		CAV, CAC, NFIP, OUTR, GTA, EA, SRA, PDM	RLA, IRA	PA		
NJ	GTA, EA, PA, SRA	CAV, CAC, OUTR, IRA	NFIP	RLA, PDM		
NV			CAV, OUTR, GTA, EA, SRA	NFIP, PA, PDM	RLA, IRA	CAC

State	Always State	Mostly State	Evenly Split	Mostly FEMA Region	Always FEMA Region	Not Applicable
NY	NFIP, OUTR, GTA	CAV, CAC, EA, PA, SRA	IRA	PDM	RLA	
OH	CAV, CAC, GTA	NFIP, OUTR, EA, SRA	PA, PDM	RLA, IRA		
OK	CAC	CAV, NFIP, GTA, EA, SRA	OUTR, PA	IRA, PDM	RLA	
OR	OUTR, SRA	NFIP, GTA, EA	CAV, CAC, IRA	PA, RLA, PDM		
PA		CAV, CAC, EA	NFIP, OUTR, GTA, SRA, RLA, IRA	PA, PDM		
PR		OUTR, GTA, EA	CAV, CAC, NFIP, PA, SRA, IRA		RLA, PDM	
RI		CAV, CAC, NFIP, OUTR, GTA, EA, SRA	IRA, PDM	PA, RLA		
SC	CAC, NFIP, OUTR, GTA, EA, PA, SRA, IRA, PDM	CAV			RLA	
TN	CAC	NFIP, OUTR, EA, SRA	GTA	RLA, IRA, PDM	CAV, PA	
UT		CAV, CAC, OUTR, EA	NFIP, GTA, SRA, PDM	PA, RLA, IRA		
VT	NFIP	CAV, CAC, OUTR, GTA, EA, PA, SRA	IRA, PDM		RLA	
WA		CAV, CAC, GTA, EA, SRA	NFIP, OUTR	PA, RLA, IRA, PDM		
WI	CAC, NFIP, OUTR, GTA	CAV, EA, PA, SRA	IRA	RLA, PDM		
WY			CAV, CAC, NFIP, OUTR, GTA, EA, PA, SRA, IRA	PDM	RLA	

PRINCIPLE 3:
Flood hazards within the state must be identified and the flood risks assessed.

15. Does your state have its own flood mapping program?

State	Response	State	Response	State	Response	State	Response
AL	Yes	ID	No	MT	Yes	PA	No
AR	No	IL	Yes	NC	Yes	PR	No
AZ	No	IN	Yes	ND	No	RI	No
CA	Yes	KS	No	NE	Yes	SC	Yes
CO	Yes	KY	Yes	NH	No	TN	No
CT	No	LA	No	NJ	Yes	UT	Yes
DC	No	MD	Yes	NM	No	VT	No
DE	No	MN	No	NV	No	WA	Yes
FL	No	MO	No	NY	Yes	WI	Yes
GA	Yes	ID	No	OH	No	WY	No
HI	No	MS	Yes	OK	No		

15.1. Which state agency handles the flood mapping program?

State	Emergency Management	Environmental Protection/Natural Resources	Water Resources Agency
AL			X
CA			X
CO			X
GA		X	
IL		X	
IN		X	
KY		X	
MD		X	
MS		X	
MT			X
NC	X		
NE		X	
NJ		X	
NY		X	
SC			X
WA		X	
WI		X	

15.2. What is the source and amount of funding for the flood mapping program?

State	FEMA	USACE	USGS	NRCS	NOAA	State Funded	Other
AL	X						
CO							Not sure.
GA	X						
IL	X						Next year the state will get "0"
IN	X						
MD	X					X	
MS	X						
MT	X					X	
NE	X					X	CDBG-Disaster ($22X,375)
NJ	X						
NY	X						
SC	X						LiDAR Consortium
UT	X						
WA	X						

15.3. Does your state produce flood maps?
15.3.1. Does your state hire private companies to produce flood maps?
15.4. Does your state cooperate with federal agencies, other than FEMA, to produce flood-related maps?

State	15.3.	15.3.1.	15.4.
AL	Yes	Yes	No
CA	Yes	Yes	Yes
CO	Yes	Yes	Yes
GA	Yes	Yes	Yes
IL	Yes	No	No
IN	Yes	Yes	Yes
KY	Yes	Yes	Yes
MD	No		Yes
MS	Yes	Yes	No
MT	Yes	Yes	Yes
NC	Yes	Yes	Yes
NE	Yes	No	Yes
NJ	Yes	Yes	No
NY	Yes	Yes	Yes
SC	Yes	Yes	Yes
UT	No		Yes
WA	No		Yes
WI	Yes	Yes	Yes

15.4.1. Which federal agencies, other than FEMA does your state cooperate with to produce flood maps?

State	FEMA	FERC	FHA	TVA	USACE	USFS	NRCS	NGS	NHC	NMFS	NWS	BIA	BLM	NPS	USGS	USDOT
CA					X											
CO	X															
GA					X						X				X	
IN					X		X								X	X
KY	X			X	X		X	X							X	
MD	X				X											
MT					X										X	
NC	X	X	X		X	X		X	X	X	X	X	X	X	X	
NE					X										X	
NY	X														X	
SC	X				X										X	
UT	X															
WI					X		X								X	

15.5. Does your state perform hydrologic and hydraulic (H&H) modeling (engineering studies) associated with flood mapping?
15.6. Does your state have an archive system for H&H models?
15.7. Does your state have an archive system for flood mapping?
15.8. Does your state have a flood mapping data retrieval system accessible to the public?

State	15.5.	15.6.	15.7.	15.8.
AL	Yes	Yes	Yes	Yes
CA	Yes	Yes	Yes	Yes
CO	Yes	Yes	Yes	Yes
GA	Yes	No	Yes	No
IL	Yes	Yes	Yes	No
IN	Yes	Yes	Yes	Yes
KY	Yes	Yes	Yes	No
MD	Yes	Yes	No	No
MS	Yes	Yes	Yes	Yes
MT	Yes	No	Yes	Yes
NC	Yes	Yes	Yes	Yes
NE	Yes	No	Yes	Yes
NJ	Yes	Yes	Yes	No
NY	Yes	Yes	Yes	No
SC	No	No	No	No
UT	No	No	Yes	Yes
WA	No	No	Yes	Yes
WI	Yes	Yes	Yes	Yes

15.9. Do your state flood mapping efforts include mapping any of the following special flood hazards?

State	Flash Floods	Erosion-prone Coastal Areas	Moveable Bed Streams & Riverine Erosion	Dam Inundation Zones	Levee-/ Floodwall-protected Areas	Flood Hazard Areas Affected by Subsidence	Ice Jam Areas	Closed Basin Lakes	Alluvial Fan Hazards	Debris Flows	Other
CA					X				X		
CO	X				X						
KY					X			X			Sinkholes
MD											100-year floodplain based on ultimate development of the watershed for some communities
MT			X		X		X		X		
NC					X						
NE								X			
NY		X									
UT	X		X		X	X		X	X	X	
WA		X		X							
WI		X		X	X		X	X			

15.10. Does your state flood mapping include any of the following features that reflect state higher-standards related to development that go beyond FEMA's NFIP requirements?

State	Shoreline environmental regulations	Stream corridor buffer zones	Critical area setbacks	Erosion Reference Features	Wetlands	Floodways with Less than X-foot Rise	Future Conditions Hydrology	Other
AL					X	X		
CA						X		
CO								no, but the state has developed proposed higher regulatory standards that are currently in the public review process
IL						X		
IN						X		
MD								100-year floodplain based on ultimate development of the watershed for some communities
MT						X		

State	Shoreline environmental regulations	Stream corridor buffer zones	Critical area setbacks	Erosion Reference Features	Wetlands	Floodways with Less than X-foot Rise	Future Conditions Hydrology	Other
NC							X	future conditions is by community request only
NJ						X	X	
WI					X	X	X	

15.11. In your state, are floodplain areas with residual risk behind levees required to be delineated on the flood map?
16. Does your state contribute funds to the U. S. Geological Survey stream gaging program?
17. Does your state operate a stream gaging program separate from the U.S. Geological Survey?

State	15.11.	16.	17.
AL	No	No	No
AR		Yes	No
AZ		Yes	Yes
CA	Yes	Yes	Yes
CO	No	Yes	Yes
CT		Yes	Yes
DC		Yes	No
DE		No	Yes
FL		Yes	Yes
GA	No	Yes	No
HI		Yes	No
ID		No	Yes
IL	No	Yes	Yes
IN	No	Yes	No
KS		Yes	Yes
KY	Yes	Yes	No
LA		Yes	No
MD	No	Yes	No
MN		Yes	Yes
MO		No	No
MS	Yes	No	No
MT	No	Yes	Yes
NC	No	No	Yes
ND		Yes	Yes
NE	Yes	Yes	Yes
NH		No	Yes
NJ	Yes	Yes	No
NM		No	No
NV		Yes	No
NY	No	Yes	No
OH		Yes	Yes

State	15.11.	16.	17.
OK		Yes	Yes
PA		Yes	No
PR		Yes	No
RI		No	No
SC	No	Yes	No
UT	No	No	No
VT		Yes	No
WA	No	No	Yes
WI	Yes	Yes	No
WY		No	Yes

17.1. Please indicate if your state stream gaging program undertakes any of the following:

State	Funds gages owned by others	Requires gages as part of a permit requirement	Installs and maintains gages	Collects data from gages regardless of ownership
AZ			X	X
CA			X	X
CO			X	
CT		X	X	
DE	X	X	X	X
FL	X		X	X
ID			X	
IL			X	X
KS	X		X	X
MN			X	X
MT			X	
NC			X	X
ND		X	X	
NE			X	
NH			X	
OK			X	
WA	X	X	X	X
WY			X	

17.2. Does your state stream gaging program provide flood data?

State	Response	State	Response	State	Response	State	Response
AZ	Yes	FL	Yes	MT	Yes	OH	Yes
CA	Yes	ID	No	NC	Yes	OK	Yes
CO	Yes	IL	Yes	ND	No	WA	No
CT	Yes	KS	No	NE	Yes	WY	No
DE	Yes	MN	Yes	NH	No		

18. Which of the following natural and human-made resource features are mapped and available to the state floodplain management program or the public in your state?

State	Orthophotos (Aerial Photos)	Digital Elevation Models (DEM, DTM, LiDAR)	Hydrography	Roads and Highways	Jurisdictional Boundaries	Geodetic Control	Buildings/Structures	Land Cover & Land Use	Habitat	Wetlands & Marshes (incl. coastal)	Shorelines	Parcels (Cadastre)	Bridge Locations	Utilities	Critical/Essential Facilities	Bathymetry	Shore Protection Structures.	Erosion Hazard Area	Storm Surge Inundation	Other
AK	X	X	X	X	X	X	X				X									
AL	X	X	X	X	X		X				X									
AR	X	X	X	X	X	X	X		X			X								Floodplains
AZ	X			X																
CA	X	X	X	X	X	X			X		X	X	X			X		X	X	
CO	X			X	X										X					
CT	X	X	X	X	X	X			X		X								X	
DC	X	X	X	X	X	X	X		X		X	X	X	X		X	X		X	Green Infrastructures
DE	X	X		X	X						X	X								
FL	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	
GA	X	X			X											X			X	
HI	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	
ID	X	X	X	X	X	X						X								diversion structures
IL	X	X	X	X	X	X	X		X		X	X	X	X	X					
IN	X	X	X	X	X	X	X				X	X	X							
KS	X	X	X	X	X	X			X				X	X						
KY	X	X	X	X	X				X		X			X	X					
LA	X	X	X	X	X								X			X			X	
MD	X	X	X	X	X	X	X		X		X	X	X		X	X	X		X	
MN	X	X	X	X	X				X			X				X				
MO	X	X		X	X	X			X				X							

State	Orthophotos (Aerial Photos)	Digital Elevation Models (DEM, DTM, LiDAR)	Hydrography	Roads and Highways	Jurisdictional Boundaries	Geodetic Control	Buildings/Structures	Land Cover & Land Use	Habitat	Wetlands & Marshes (incl. coastal)	Shorelines	Parcels (Cadastre)	Bridge Locations	Utilities	Critical/Essential Facilities	Bathymetry	Shore Protection Structures.	Erosion Hazard Area	Storm Surge Inundation	Other
MS	X	X	X	X	X	X	X												X	
MT	X	X	X	X	X	X	X					X	X		X	X		X		
NC	X	X	X	X	X	X					X		X						X	
NE	X	X		X	X															
NH	X	X	X	X	X	X					X	X	X	X	X	X				
NJ	X	X		X	X		X		X		X		X		X					
NM	X	X		X			X					X								
NV	X	X	X	X	X	X						X	X							
NY	X			X	X				X		X							X		
OH	X	X	X	X	X	X	X				X		X							
OK	X	X	X	X	X								X	X		X				
OR	X	X	X	X	X	X					X							X		
PA	X	X	X	X	X		X						X							
PR	X	X	X	X	X	X	X		X			X	X	X	X	X				
RI	X	X		X	X		X		X		X	X	X						X	
SC	X	X	X	X	X	X			X		X		X		X	X	X	X	X	
TN	X	X	X	X	X	X	X					X								
UT	X	X	X	X	X	X	X		X		X	X	X	X	X		X	X	X	Critical infrastructure
VT	X	X	X	X	X	X			X		X	X	X		X	X		X		Fluvial Geomorphic Data and too many GIS layers to list
WA	X	X	X	X	X	X					X	X				X		X		
WI	X	X	X	X	X	X	X				X	X	X			X	X	X		

19. Are riverine or coastal flood hazard areas included in your state GIS mapping efforts?
20. Does the state floodplain management program have staff trained in the use of GIS?
21. Does your state maintain an inventory of state buildings in flood hazard areas?

State	19.	20.	21.
AK			No
AL	Yes	Yes	No
AR	Yes	Yes	No
AZ	No	No	No
CA	Yes	Yes	Yes
CO	Yes	Yes	No
CT	Yes	No	No
DC	Yes	Yes	Yes
DE	Yes	Yes	No
FL	Yes	No	Yes
GA	Yes	Yes	No
HI	Yes	Yes	Yes
ID	Yes	Yes	Yes
IL	Yes	Yes	No
IN	Yes	Yes	Yes
KS	Yes	Yes	No
KY	Yes	Yes	Yes
LA	Yes	No	Yes
MD	Yes	Yes	Yes
MN		Yes	
MO	Yes	Yes	No
MS	Yes	Yes	Yes
MT	Yes	Yes	Yes
NC	Yes	Yes	Yes
ND	No	No	No
NE	Yes	Yes	Yes
NH	Yes	Yes	No
NJ	No	Yes	No
NM	Yes	No	
NV	No	Yes	No
NY	No	Yes	No
OH	Yes	Yes	No
OK	Yes	Yes	No
OR	Yes	Yes	No
PA	No	No	No
PR	Yes	Yes	Yes
RI	Yes	Yes	No
SC	Yes	Yes	Yes
TN	Yes	Yes	Yes
UT	Yes	Yes	No
VT	Yes	Yes	No
WA	Yes	Yes	Yes
WI	Yes	Yes	Yes
WY	Yes	Yes	No

22. What data does your state possess that could be used to produce flood maps for non-modernized or unmapped jurisdictions or to improve FEMA's flood maps for your state?

State	Digital Elevation Model (DEM)	Statewide Flow Accumulation Grid (DEM)	Statewide Slope Mapping (DEM)	Hydro-enforced DEM	Current Land Use/ Land Cover (hydrology)	Current/ Accurate Soils (hydrology)	Stormwater Management mapping or data	Inventory of Bridge as-built Drawing/ Cross-section	Inventory of Culverts	Other
AR	X									
AZ						X				
CA	X				X					Awareness Floodplain Maps
CO								X	X	
CT					X	X				
DC	X	X	X		X	X	X	X	X	
DE	X				X	X		X		
FL	X	X	X	X	X	X	X	X	X	
GA										Topo data
ID										NAIP 2009
IL	X	X		X		X				
IN	X			X	X	X				
KS	X								X	floodplain fill/channel change/stream obstruction permits
KY	X					X		X	X	
LA	X									
MD						X		X	X	
MO					X	X		X		
MS	X									
MT	X				X					
NC	X	X	X		X	X		X	X	
NE	X					X				
NH	X	X	X	X	X	X				
NJ	X				X					
NM	X		X							
NY	X				X					
OH	X				X					
OK						X	X	X		
OR	X									
PA	X				X			X	X	
PR	X	X	X	X	X	X		X		
RI					X	X	X	X		

State	Digital Elevation Model (DEM)	Statewide Flow Accumulation Grid (DEM)	Statewide Slope Mapping (DEM)	Hydro-enforced DEM	Current Land Use/ Land Cover (hydrology)	Current/ Accurate Soils (hydrology)	Stormwater Management mapping or data	Inventory of Bridge as-built Drawing/ Cross-section	Inventory of Culverts	Other
SC					X	X	X	X		
TN	X				X					
UT								X		
VT										Fluvial Erosion Hazard data and a partial list inventory of stream crossing structures
WA	X				X					
WI	X	X	X	X	X	X		X	X	
WY	X							X		

23. Does any agency in your state maintain an inventory of available DEM data adequate to support NFIP flood mapping?
25. Does the state floodplain management program contribute information (metadata) about its flood mapping data to the National States Geographic Information Council's (NSGIC) GIS Inventory?
26. Does your state utilize a GIS-based stream/shoreline framework data layer (e.g. National Hydrography Dataset – NHD) to facilitate linkage, access or analysis of flood related mapping data (e.g. engineering models)?

State	23.	25.	26.
AK		Unaware of GIS Inventory	
AL	No	Unaware of GIS Inventory	Yes
AR	Yes	Unaware of GIS Inventory	Yes
AZ	No	No	No
CA	Yes	Unaware of GIS Inventory	Yes
CO	No	Unaware of GIS Inventory	Yes
CT	No	No	No
DC	Yes	Unaware of GIS Inventory	No
DE	Yes	No	No
FL	Yes	Yes	Yes
GA	Yes	Unaware of GIS Inventory	No
HI	No	Unaware of GIS Inventory	No
ID	No	Unaware of GIS Inventory	Yes
IL	Yes	Unaware of GIS Inventory	No
IN	Yes	No	Yes
KS	Yes	No	No
KY	Yes	Unaware of GIS Inventory	Yes
LA	Yes	Unaware of GIS Inventory	No
MD	No	Yes	No
MN	Yes		
MO	No	Yes	No
MS	Yes	Unaware of GIS Inventory	Yes
MT	Yes	Yes	Yes
NC	Yes	Yes	Yes

State	23.	25.	26.
ND	Yes	Yes	No
NE	Yes	No	Yes
NH	Yes	Yes	Yes
NJ	No	Yes	No
NM	Yes	No	No
NV	No	Unaware of GIS Inventory	No
NY	Yes	Unaware of GIS Inventory	Yes
OH	Yes	No	Yes
OK	No	No	Yes
OR	Yes	Yes	Yes
PA	Yes	No	No
PR	Yes	Yes	Yes
RI	No	No	No
SC	Yes	Yes	Yes
TN	Yes	Yes	Yes
UT	Yes	Unaware of GIS Inventory	No
VT	Yes	Yes	Yes
WA	Yes	No	No
WI	Yes	Yes	Yes
WY	No	Unaware of GIS Inventory	No

26.1. Which GIS-based stream/shoreline framework data layer do you use?

State	USGS National Hydrography Dataset (NHD)	State Hydrography Dataset	Other
AL	X		
AR	X		
CA	X		
CO	X		
FL	X		
ID	X		
IN	X		
KY	X		
MS		X	
MT	X		
NC	X		
NE	X		
NH	X		
NY	X		
OH	X		
OK	X		
OR	X		
PR	X		
SC	X		
TN	X		
VT		X	
WI		X	

28. Does your state provide its GIS flood mapping data to localities that have GIS capability?
29. Do you provide flood maps for public inspection on a walk-in basis?

State	28.	29.
AK	No	Yes
AL	Yes	Yes
AR	Yes	Yes
AZ	No	Yes
CA	Yes	Yes
CO	Yes	Yes
CT	Yes	Yes
DC	Yes	Yes
DE	No	Yes
FL	Yes	Yes
GA	Yes	Yes
HI	Yes	No
ID	Yes	Yes
IL	Yes	Yes
IN	Yes	Yes
KS	Yes	Yes
KY	Yes	Yes
LA	Yes	Yes
MD	Yes	Yes
MO	Yes	Yes
MS	Yes	Yes
MT	Yes	Yes
NC	Yes	Yes
ND	No	Yes
NE	Yes	Yes
NH	Yes	Yes
NJ	Yes	No
NV	No	Yes
NY	Yes	Yes
OH	Yes	Yes
OK	Yes	Yes
OR	Yes	Yes
PA	No	Yes
PR	Yes	Yes
RI	Yes	Yes
SC	Yes	Yes
TN	Yes	Yes
UT	Yes	Yes
VT	Yes	Yes

State	28.	29.
WA	Yes	Yes
WI	Yes	Yes
WY	No	Yes

30. Describe how your state floodplain management program is utilizing flood-related data within a GIS for the following tasks or programs:

State	Flood Zone Determinations	Customized flood maps	View/Overlay with Ortho-photos or other GIS data	Make Flood Data Available as a part of a Web-based Maps	Make Preliminary FEMA DFIRMs Available to Public	Public Outreach and Education	Mitigation Planning	Risk Assessment	Disaster Response Planning	Land Use Planning	Conservation and Restoration Programs	Permitting	Other
AL	X		X	X	X	X	X	X	X	X			
AR	X	X	X									X	
AZ													Not at all
CA	X	X		X				X				X	
CO				X		X							
CT						X	X	X	X	X		X	
DC	X	X	X	X	X	X	X	X	X	X	X	X	Impact Analyses
DE	X		X	X		X	X	X		X		X	
FL	X	X	X	X	X	X	X	X	X	X	X	X	
GA	X	X	X	X	X		X		X	X		X	
HI	X	X	X	X	X	X							
ID	X		X	X		X							
IL		X	X										Mapping NWS river forecasts for select rivers
IN	X	X	X	X	X	X	X	X	X	X	X	X	
KS	X	X	X	X	X	X	X	X		X		X	
KY	X		X	X		X	X	X	X			X	
MD	X		X	X	X	X		X				X	
MO				X	X	X	X						
MS			X	X	X		X	X	X				
MT	X	X	X	X	X	X	X		X	X	X	X	
NC	X	X	X	X	X	X	X	X	X	X	X	X	
NE	X	X	X	X	X	X	X		X			X	
NH			X	X	X			X		X			
NJ	X	X	X			X						X	
NV	X		X			X							Community Assistance Visits

State	Flood Zone Determinations	Customized flood maps	View/Overlay with Ortho-photos or other GIS data	Make Flood Data Available as a part of a Web-based Maps	Make Preliminary FEMA DFIRMs Available to Public	Public Outreach and Education	Mitigation Planning	Risk Assessment	Disaster Response Planning	Land Use Planning	Conservation and Restoration Programs	Permitting	Other
NY	X	X	X			X	X						
OH	X	X	X		X	X	X	X	X	X	X		
OK	X	X			X	X		X	X			X	
OR		X	X	X		X							
PA	X				X	X	X	X	X	X		X	
PR	X	X	X	X	X	X	X	X	X	X	X	X	
RI	X		X	X	X	X	X			X	X		
SC	X	X	X	X	X	X	X	X	X				
TN	X	X	X			X	X	X	X	X	X		
UT			X			X	X	X	X	X		X	
VT	X	X	X		X	X	X	X		X	X	X	
WA	X	X	X	X	X	X	X	X	X	X	X	X	
WI	X	X	X	X		X	X	X	X	X	X	X	
WY			X			X	X	X	X				

31. Does your state use FEMA's HAZUS-MH flood loss estimation software?

State	Response	State	Response	State	Response	State	Response
AK	No	HI	No	MT	Yes	OR	Yes
AL	Yes	ID	Yes	NC	Yes	PA	Yes
AR	No	IL	Yes	ND	No	PR	No
AZ	No	IN	Yes	NE	Yes	RI	Yes
CA	Yes	KS	Yes	NH	No	SC	Yes
CO	Yes	KY	Yes	NJ	No	TN	Yes
CT	Yes	LA	Yes	NV	Yes	UT	No
DC	No	MD	Yes	NY	Yes	VT	No
DE	No	MN	Yes	MT	Yes	WA	Yes
FL	Yes	MO	Yes	OH	Yes	WI	No
GA	No	MS	Yes	OK	No	WY	Yes

31.1. Please describe how your state uses HAZUS-MH.

State	Public Outreach and Education	Mitigation Planning	Risk Assessment	Disaster Response Planning	Other
AL			X		
CA	X	X	X		
CO		X	X		
CT		X	X	X	

State	Public Outreach and Education	Mitigation Planning	Risk Assessment	Disaster Response Planning	Other
FL	X	X	X	X	
ID	X	X	X		
IL			X		
IN		X	X	X	
KS	X	X		X	
KY		X			
LA		X	X	X	
MD			X		
MO				X	
MS		X			
MT	X	X	X	X	
NC		X	X	X	
NE		X	X		
NV		X	X		
NY					This is a State Emergency Management Office effort. I'm not aware of the particulars.
OH			X		
OR			X		
PA		X	X		
RI		X		X	
SC			X	X	
TN		X		X	
WA		X	X	X	
WY		X			

32. Does your state undertake any of the following activities in addition to any USGS post-flood activities to document and map peak flood conditions?

State	High water marks (HWMs)	Geo-referenced photos/images	Remote sensing (satellite/aerial images) of flood extents	Stream staff gage (i.e. on bridge)	Use USGS HWMs if collected	Other
AK	X				X	NWS and USACE assist with HWM documentation.
AL	X					
AR	X			X	X	
CA	X			X		
CO	X			X		
CT				X	X	
DE	X					
FL	X	X	X	X	X	

State	High water marks (HWMs)	Geo-referenced photos/images	Remote sensing (satellite/aerial images) of flood extents	Stream staff gage (i.e. on bridge)	Use USGS HWMs if collected	Other
GA	X					
ID				X	X	
IL	X	X		X		
IN	X	X		X	X	
KS				X	X	
KY	X	X				
MO	X					
MT	X	X		X	X	
NC	X	X	X	X	X	
ND	X					
NE				X		
NH			X			
OH	X	X		X	X	
OK	X					
PA		X		X		
RI	X		X	X		
SC				X	X	
UT	X					
VT						very limited HWM collection
WA	X	X	X			
WI	X	X	X	X	X	

33. Does your state floodplain management program conduct an engineering review of H&H models developed to establish 1% chance flood elevations?

State	Response	State	Response	State	Response	State	Response
AK	No	HI	No	NC	Yes	PR	Yes
AL	Yes	ID	No	ND	No	RI	No
AR	No	IL	Yes	NE	Yes	SC	No
AZ	No	IN	Yes	NH	No	TN	No
CA	Yes	KS	Yes	NJ	Yes	UT	No
CO	No	KY	Yes	NV	No	VT	Yes
CT	No	LA	No	NY	No	WA	No
DC	Yes	MD	No	OH	No	WI	Yes
DE	No	MO	No	OK	No	WY	No
FL	No	MS	No	OR	No		
GA	Yes	MT	Yes	PA	No		

33.1. Please explain how the engineering review procedure works, who does it, and when it occurs.

State	Response
CA	In cooperation with FEMA, we are developing our own models for floodplains in the Central Valley
DC	The District Department of the Environment's Technical Services Branch staff engineer reviews H&H analysis as part of the floodplain regulatory compliance. For any development in SFHA, the applicant shall submit the analysis to demonstrate that the development will not impact allowable base flood elevations. If the request for a Letter of Map Change is required, the in-house engineer will review and approve before submitting to FEMA for an approval.
GA	Mapping Contractor
IL	State review is required for all new studies and LOMRs
IN	Staff engineers follow standard review criteria for hydraulic modeling based on FEMA and USACE recommendations to implement the State Flood Control Act and the NFIP. It occurs for permits, LOMRs, and Map Modernization.
KS	For permitting purposes, H&H models are reviewed when submitted by applicants.
KY	Review for compliance with FEMA G & S; independent contractor review of all engineering studies; secondary review of all engineering studies by Kentucky Division of Water.
MT	H&H models are reviewed by six state engineers with the DNRC. The review is part of a local community development permit application review. Technical review recommendations are made to the community official evaluating the permit application.
NC	The floodplain management program is part of the Office of Geospatial and Technology Management within the Division of Emergency Management. The engineers within GTM do the QC on the H&H submitted by the contractors.
NE	Peak flow analyses and regression analysis for hydrology; FEMA technical support team review and approve it after we submit the results.
NJ	As part of our coordination with FEMA Region II, we conduct a review of new hydrologic and hydraulic modeling.
PR	The review is basically oriented to evaluate if the H/H models complies with the minimum requirements before to refer them to FEMA. Those that are not necessary to refer are evaluated and approved at local level. The Planning Board conducts the review during a land use consultation process. Other H/H models are submitted to the Regulations and Permits Administration thru the certification law. This processes will have changes with the new permits office, Permits and Management Office, which will start its operations next December 2010
VT	State statute requires us to review and comment on local floodplain permits and we also provide review of state land use permits (Act 250). As part of the technical review, we review H&H submitted to develop BFEs in approximate Zone A areas. For proposed encroachments C-level reaches of river or for proposed encroachments in the regulatory floodway, we also review floodway or "no-rise" analyses.
WI	State DNR engineers, as part of plan review process, reviewed according to engineering standards in administrative code and FEMA standards.

33.2. Do you issue a formal approval letter in conjunction with the engineering review?
33.3. Is your state engineering review equivalent to FEMA's engineering review?
33.4. Does your state have an engineering review checklist?

State	33.2	33.3	33.4
AL	No	Yes	Yes
CA	No	Yes	No
DC	Yes	Yes	No
GA	Yes	Yes	Yes
IL	Yes	Yes	Yes
IN	Yes	Yes	Yes
KS	Yes	Yes	No
KY	No	Yes	Yes
MT	Yes	Yes	No
NC	Yes	Yes	Yes

State	33.2	33.3	33.4
NE	No	Yes	Yes
NJ	No	No	No
PR	Yes	No	Yes
VT	Yes	Yes	No
WI	Yes	Yes	Yes

34. Does your state floodplain management program review proposed flood maps before they are adopted in local zoning ordinances?
34.1. Is the state review of proposed flood maps required by law?

State	34.	34.1.
AK	No	
AL	Yes	No
AR	No	No
AZ	No	
CA	Yes	
CO	Yes	No
CT	No	
DC	Yes	Yes
DE	Yes	No
FL	No	
GA	No	
HI	Yes	No
ID	No	
IL	Yes	No
IN	Yes	Yes
KS	Yes	Yes
KY	Yes	No
LA	No	
MD	Yes	No
MO	Yes	No
MS	Yes	No
MT	Yes	Yes
NC	Yes	No
ND	Yes	No
NE	Yes	No
NH	No	
NJ	Yes	No
NV	No	
NY	Yes	No
OH	No	
OK	Yes	No
OR	Yes	No
PA	No	
PR	Yes	Yes
RI	Yes	No
SC	Yes	No

State	34.	34.1.
TN	Yes	No
UT	Yes	No
VT	Yes	No
WA	Yes	No
WI	Yes	Yes
WY	Yes	No

34.2. Please explain how the review or approval procedure for proposed flood maps works.

State	Response
CA	Through the Central Valley Flood Protection Plan stakeholder process.
DC	Publish for public comments; Comments submitted to FEMA
IL	All done in-house - response to question 34.3 below.
IN	Mapping is submitted to IDNR for review and approval for compliance with State regulations
KS	QA/QC of submitted documents by floodplain staff as well as work with local officials for review.
MD	New studies conducted by US Army Corps of Engineers - Hydraulic Studies submitted to FEMA for QA/QC review and analysis. Comments or revisions sent back to Corps fro revisions - prior to mapping.
MO	CTP follows FEMA guidelines. SEMA attends all final map meetings. All comments/appeals for CTP counties are provided to the CTP contractor
MT	The state works with FEMA in the adoption process. The state has not started any additional mapping projects that are not part of the DFIRM or MapMOD projects. If it is not a FEMA map then the state would have to follow its procedures as listed in MCA and ARMs for map adoption.
NC	During the post-preliminary process staff reviews all FIRM panels; any protests or appeals that affect/necessitate revised preliminary FIRMs are also staff reviewed.
ND	Review for obvious mistakes.
NY	We review maps for cartographic consistency with mapping standards, consistency with stream profiles, and obvious breakdowns in mapping of flood zones.
OK	Work with the Communities during the mapping process...Scoping, CCO and LFD
OR	We do not approve maps. We do review them and point out potential issues to local jurisdictions.
PR	The review and approval is subject to requisites established by the Law no. 3 of September 27, 1961 for the control of buildings on the flood-prone areas.
TN	State offers staff assistance to meet with impacted local community's staff to assist with review & also does an independent review for possible mapping problems or unusual map results.
UT	As outlined by FEMA Region VIII SOPs.
VT	There is not a formal review and approval procedure. Since so many of our communities lack technical staff to review the maps, we try to provide assistance as best we can. Unfortunately, we lack the manpower at the state level to provide a systematic review for all communities.
WI	State DNR engineers check H & H models for accuracy and completeness.
WY	Review is coordinated with local jurisdiction and FEMA, but the review is independent of both and feedback is provided to both FEMA and local jurisdiction.

34.3. Do you issue an approval letter in conjunction with the review or approval of proposed flood maps?

35. Do you maintain and/or regularly update a priority list for mapping/Flood Insurance Studies/restudies?

36. Is your state a FEMA Cooperating Technical Partner (CTP)?

36.1. When did your state become a CTP?

36.3. Under your CTP agreement are you receiving any funds from FEMA? (Note: MMMS funding and activities are covered next)

State	34.3	35.	36.	36.1	36.3
AK		No	Yes	2003?	Yes
AL	Yes	Yes	Yes	2002	Yes
AR		Yes	No		
AZ		No	Yes	2009	No
CA	No	Yes	Yes	2008	Yes
CO	No	Yes	Yes	2003	Yes
CT		No	No		
DC	Yes	Yes	Yes	2009	Yes
DE	No	Yes	Yes	2003	Yes
FL		No	No		
GA		Yes	Yes	August 1999	Yes
HI	No	No	Yes	2008	Yes
ID		Yes	Yes	2009	Yes
IL	No	Yes	Yes	2005	Yes
IN	Yes	Yes	Yes	2004	Yes
KS	No	Yes	Yes	2003	Yes
KY	No	Yes	Yes	1999	Yes
LA		Yes	No		
MD	No	No	Yes	2000	Yes
MO	No	Yes	Yes	1999	Yes
MS	No	Yes	Yes	1/28/2003	Yes
MT	No	Yes	Yes	2005	Yes
NC	No	Yes	Yes	2000	Yes
ND	No	Yes	Yes	2003	Yes
NE	No	Yes	Yes	2000	Yes
NH		Yes	Yes	2009	Yes
NJ	No	Yes	Yes	2006	Yes
NM			No		
NV		No	Yes	02/20/2010	No
NY	No	Yes	Yes	2000	Yes
OH		Yes	Yes	2004	Yes
OK	No	No	Yes	2002	Yes
OR	No	Yes	Yes		Yes
PA		No	No		
PR	Yes	No	Yes	2001	Yes
RI	No	No	Yes	2009	Yes
SC	No	Yes	Yes	1999	Yes
TN	No	Yes	Yes	March 2010	Yes
UT	No	No	Yes	2006	Yes
VT	No	Yes	Yes	September, 2009	Yes
WA	No	No	Yes	2001	Yes
WI	Yes	Yes	Yes	2001	Yes
WY	No	Yes	No		

36.4. Which of the activities listed below are you doing under your CTP agreement or through your own state resources?

- Set priorities for mapping (SPM)
- Participate in pre-mapping scoping meetings (PMSM)
- Participate in final meetings (PFM)
- Conduct engineering or floodplain delineation review (CEFDR)
- Approve the hydrology and hydraulic analyses for use within your state (HHAU)
- Assist in base map acquisition (ABMA)
- Process LOMAs (PLOMA)
- Process LOMRs (PLOMR)
- Conduct detailed studies to produce work maps used for DFIRMs (DSDFIRM)
- Conduct approximate analyses or re-delineation projects that produce work maps for DFIRMS (APXDFIRM)
- QA/QC Preliminary D-FIRMs (QAQC)
- Produce DFIRMs (DFIRM)

State	State Resource	CTP
AK	PMSM, PFM	SPM
AL		SPM, PMSM, PFM, CEFDR, HHUA, ABMA, PLOMA, PLOMR, DSDFIRM, APXDFIRM, QAQC, DFIRM
AZ		PMSM, PFM
CA	SPM, PMSM, PFM, CEFDR, HHUA, ABMA, QAQC	DSDFIRM, DFIRM
CO		SPM, PMSM, PFM, CEFDR, HHUA, ABMA, PLOMA, PLOMR, DSDFIRM, APXDFIRM, QAQC, DFIRM
DC		SPM, PMSM, PFM, CEFDR, HHUA, ABMA, PLOMA, PLOMR, DSDFIRM, APXDFIRM, QAQC, DFIRM
DE		SPM, PMSM, PFM, ABMA
GA		SPM, PMSM, PFM, CEFDR, HHUA, DSDFIRM, APXDFIRM, QAQC, DFIRM
HI		SPM, PMSM, PFM, ABMA
ID		SPM, PMSM, PFM, ABMA
IL	CEFDR, HHUA	SPM, PMSM, PFM, ABMA, PLOMA, PLOMR, DSDFIRM, APXDFIRM, QAQC, DFIRM
IN	SPM, CEFDR, HHUA, ABMA, DSDFIRM, APXDFIRM	PMSM, PFM, QAQC, DFIRM
KS		SPM, PMSM, PFM, CEFDR, HHUA, ABMA, DSDFIRM, APXDFIRM, QAQC, DFIRM
KY	SPM, ABMA	PMSM, PFM, CEFDR, HHUA, DSDFIRM, APXDFIRM, QAQC, DFIRM
MD	SPM, PMSM, PFM, ABMA	CEFDR, HHUA, DSDFIRM, APXDFIRM, QAQC, DFIRM
MO	SPM, PMSM, PFM	CEFDR, HHUA, ABMA, PLOMA, PLOMR, DSDFIRM, APXDFIRM, QAQC, DFIRM
MS		SPM, PMSM, PFM, CEFDR, HHUA, ABMA, DSDFIRM, APXDFIRM, DFIRM
MT	CEFDR, HHUA, ABMA	SPM, PMSM, PFM, PLOMA, PLOMR, DSDFIRM, APXDFIRM, QAQC, DFIRM

State	State Resource	CTP
NC		SPM, PMSM, PFM, CEFDR, HHUA, ABMA, PLOMR, DSDFIRM, APXDFIRM, QAQC, DFIRM
ND		SPM, PMSM, PFM, CEFDR, ABMA, DSDFIRM, APXDFIRM
NE	SPM	PMSM, PFM, CEFDR, HHUA, ABMA, APXDFIRM, QAQC
NH		SPM, PMSM, PFM
NJ		SPM, PMSM, PFM, CEFDR, HHUA, ABMA, DSDFIRM, APXDFIRM, QAQC, DFIRM
NY	SPM, PMSM, PFM	CEFDR, ABMA, DSDFIRM, APXDFIRM, QAQC, DFIRM
OH	ABMA	SPM, PMSM, PFM, QAQC
OK	SPM	PMSM, PFM, CEFDR
OR		SPM, PMSM, ABMA
PR	PFM	SPM, PMSM, CEFDR, HHUA, ABMA, PLOMA, PLOMR, DSDFIRM, APXDFIRM, QAQC, DFIRM
RI		SPM, PMSM, PFM, QAQC
SC	SPM, PMSM, PFM, CEFDR, HHUA, ABMA, PLOMA, PLOMR, DSDFIRM, APXDFIRM, QAQC	
TN	SPM, PMSM, PFM, ABMA	CEFDR, HHUA, PLOMA, PLOMR, DSDFIRM, APXDFIRM, QAQC, DFIRM
UT	SPM, PFM	PMSM, CEFDR, HHUA, ABMA, PLOMA, PLOMR, DSDFIRM, APXDFIRM, QAQC, DFIRM
VT		SPM, PMSM, PFM, CEFDR, HHUA, ABMA, APXDFIRM, QAQC
WA	SPM	PMSM, PFM, ABMA
WI	CEFDR, HHUA, QAQC	SPM, PMSM, PFM, ABMA, DSDFIRM, APXDFIRM, DFIRM

36.5. What has prevented your state from becoming a CTP? Please describe.

State	Response
AR	Staffing
CT	Lack of additional staff to participate in program, lack of funding.
FL	Have not had capacity until now, but more than likely will become a CTP under the new Risk MAP program.
NM	Lack of State Mapping Coordinator
PA	Funds & staffing
WY	Organizational structure and funding constraints.

37. Does your state have adequate resources to provide the 20% non-federal cost share under FEMA's Risk MAP Program?

State	Response	State	Response	State	Response	State	Response
AL	No	ID	No	ND	Yes	PA	Yes
AR	Yes	IL	Yes	NE	Yes	PR	No
AZ	No	IN	Yes	NH	Yes	RI	Yes
CA	Yes	KS	No	NJ	No	SC	Yes

State	Response	State	Response	State	Response	State	Response
CO	Yes	KY	Yes	NM	No	TN	No
CT	Yes	LA	No	NV	No	UT	Yes
DC	Yes	MD	No	NY	Yes	VT	No
DE	No	MO	No	OH	Yes	WA	Yes
FL	Yes	MS	No	NC	Yes	WI	Yes
GA	No	MT	Yes	OK	No	WY	No
HI	No	NC	Yes	OR	No		

37.1. What is the nature of the match?

State	Staff Resources	Data	Funding Match	Other
AR	X	X	X	
CA			X	
CO	X		X	
CT	X			
DC	X			
FL	X	X	X	
IL	X	X		
IN	X	X		
KY	X	X		
MT	X	X		
NC	X	X	X	
ND		X		It is difficult to get the "adequate" resources to always get the 20% match
NE	X	X		
NH		X		
NY			X	NOTE: There is a state budget allocation, but difficulty in spending it down during the fiscal crisis.
OH	X	X		
PA	X			
RI	X	X		
SC	X	X		local
UT	X		X	in-kind match
WA	X	X		
WI	X	X		

38. In 2002, FEMA made supplemental funds available for developing State Business Plans and Map Modernization Maintenance Support (MMMS). Did your state receive any of this supplemental funding?

State	Response	State	Response	State	Response	State	Response
AL	Yes	ID	Yes	ND	Yes	RI	Yes
AR	Yes	IL	Yes	NE	Yes	SC	Yes
AZ	Yes	IN	Yes	NH	No	TN	Yes

State	Response	State	Response	State	Response	State	Response
CA	No	KS	Yes	NJ	Yes	UT	No
CO	Yes	KY	Yes	NM	Yes	VT	Yes
CT	Yes	LA	Yes	NV	Yes	WA	Yes
DC	No	MD	Yes	NY	Yes	WI	Yes
DE	Yes	MO	Yes	OH	Yes	WY	Yes
FL	Yes	MS	Yes	OK	Yes		
GA	No	MT	Yes	PA	Yes		
HI	No	NC	Yes	PR	Yes		

38.1. What did you use these supplemental funds for?

State	Response
AR	Outsourced funds to the State Geographic Information Office
AZ	1 FTE
CT	Hire consultant to prepare state business plan.
FL	Not sure at this time if federal funding was utilized for both business plan development or map maintenance, but these activities were accomplished.
ID	Best practices project using a coupled one- and two-dimensional model for flood scenarios.
IL	MMMS
IN	support Map Modernization work by staff
KS	Tasks associated with adopting new flood maps. Providing assistance and support to communities in using their flood maps.
LA	Development of a State Business Plan and funding a state website of GIS data.
MD	1. Developed new Hydrology in all detailed and approximates streams to verify flows and create flows in A-Zones for limited detailed studies. 2. Verified by field evaluation for each structure in the floodplain to verify critical measurements and conditions.
MO	Business plans and GAP analysis support State floodplain engineer salary and benefits
MS	support of mapping activities
MT	Prepared State Business Plan including mapping needs.
ND	State Business Plan (required by FEMA - so we simply used their money to fill in their template)
NJ	Developed NJ State Business Plan.
NM	We used the funds to establish Earth Data Analysis Center (EDAC) to serve as the clearing house for mapping activities.
NV	Develop 5-year business plan and development of Carson River Watershed pilot Nevada Flood History Database
NY	State business plan, pre-scoping meetings, scoping activities including summary if institutional knowledge, CCO meetings, open houses, other community outreach meetings related to map production.
OH	3MS support
OK	Developing Business Plan, attend scoping meetings, follow up with map adoption.
PA	State Business Plan development Education and outreach related to new FEMA DFIRMs
PR	State Business Plan
RI	To support a Map Modernization Coordinator position.
SC	State Business Plan

State	Response
TN	Business Plan development & updates, attending community meetings concerning mapping, outreach activities, adoption assistance.
VT	To develop our first Multi-hazard state business plan which was released in July 2004.
WA	Business planning
WI	producing a report to id how we would deal with future mapping
WY	State management and participation in MMMS as a non-CTP state.

39. If supplemental funding were continued under MMMS would you plan to utilize this program?

State	Response	State	Response	State	Response	State	Response
AL	Yes	ID	Yes	ND	Yes	PR	Yes
AR	Yes	IL	Yes	NE	Yes	RI	Yes
AZ	Yes	IN	Yes	NH	Yes	SC	Yes
CA	Yes	KS	Yes	NJ	Yes	TN	Yes
CO	Yes	KY	Yes	NM	Yes	UT	Yes
CT	Yes	LA	Yes	NV	Yes	VT	Yes
DC	Yes	MD	Yes	NY	Yes	WA	Yes
DE	Yes	MO	Yes	OH	Yes	WI	Yes
FL	Yes	MS	Yes	OK	Yes	WY	No
GA	Yes	MT	Yes	OR	Yes		
HI	Yes	NC	Yes	PA	Yes		

39.1. Why would your state not use MMMS funding? Please explain.

State	Response
WY	State elected to fund MMMS participation (non-CTP) through other grant means (EMPG).

40. Would a cost share requirement for receiving MMMS funding in the future limit your state involvement?

State	Response	State	Response	State	Response	State	Response
AL	Yes	ID	Yes	ND	Yes	PR	Yes
AR	Yes	IL	No	NE	Yes	RI	No
AZ	Yes	IN	Yes	NH	Yes	SC	Yes
CA	No	KS	Yes	NJ	Yes	TN	Yes
CO	No	KY	No	NM	Yes	UT	Yes
CT	No	LA	Yes	NV	Yes	VT	Yes
DC	No	MD	Yes	NY	Yes	WA	Yes
DE	Yes	MO	Yes	OH	Yes	WI	Yes
FL	No	MS	Yes	OK	Yes	WY	Yes
GA	Yes	MT	Yes	OR	Yes		
HI	Yes	NC	No	PA	Yes		

PRINCIPLE 4:
Natural floodplain functions and resources throughout the state need to be respected.

41. What kinds of programs or activities does your state operate (or authorize) to encourage identification, protection, and/or restoration of the natural values/resources of flood-prone areas (excluding regulatory requirements)?

State	Public Information Programs	Habitat Preserves/ Protection	River-basin Mgt.	Conservation Commissions	River Flow Advisory Commissions	Easement/ Restriction Programs	Restrictive Deed Covenants	Public Disclosure of Hazards	Watershed Councils	Open Space Preservation	Dune/Beach Restoration or Protection	Other
AK	X	X						X	X			
AL	X			X				X	X		X	
CA						X						
CO	X	X	X		X			X	X	X		
CT	X	X	X	X				X	X	X	X	
DC	X	X										
DE								X			X	
FL	X	X	X	X		X	X	X	X	X	X	
GA	X	X				X			X	X		
ID												state protected rivers - natural and recreational values
IL	X	X		X			X		X	X		
IN	X	X	X	X		X		X			X	
KS	X	X							X			
KY	X		X				X		X			
MD	X	X	X	X		X	X		X	X	X	
MO	X	X	X			X			X	X		
MS		X										
MT	X	X	X	X		X	X		X	X		
NC	X	X	X	X	X	X	X	X	X	X	X	
NE	X		X			X	X					
NH	X	X	X	X					X	X		
NJ		X	X		X	X			X	X	X	
NM	X	X										
NY		X						X		X	X	
OH	X	X	X	X					X	X	X	
OK								X		X		
PA	X	X		X		X	X		X	X	X	

State	Public Information Programs	Habitat Preserves/ Protection	River-basin Mgt.	Conservation Commissions	River Flow Advisory Commissions	Easement/ Restriction Programs	Restrictive Deed Covenants	Public Disclosure of Hazards	Watershed Councils	Open Space Preservation	Dune/Beach Restoration or Protection	Other
PR	X	X	X	X			X	X			X	
RI	X	X		X		X				X	X	
SC	X	X	X	X		X	X	X	X	X	X	
TN	X	X	X	X		X	X		X			
UT	X											
VT	X	X	X			X			X	X		
WA	X	X	X	X		X	X	X	X	X	X	
WI	X	X	X	X		X	X	X	X	X	X	
WY				X					X			

42. What natural floodplain functions and/or resources are the focus of protection or enhancement programs in your state?

State	Aquatic Habitat	Riparian Habitat	Riparian Vegetation	Access to Water Bodies	Recreation Opportunities	Open Space	Wetlands	Estuaries	Dunes	Mangroves	Other
AK	X	X	X	X	X		X	X			
AL	X	X	X	X	X	X	X	X	X		
AR	X	X	X	X	X		X				
CA		X	X		X	X	X	X			
CO	X	X	X	X	X	X	X				
CT	X	X	X	X	X	X	X	X			
DC	X			X	X	X	X				
DE	X					X	X	X	X		
FL	X	X	X	X	X	X	X	X	X	X	
GA	X	X	X	X	X	X	X	X	X	X	
ID	X	X	X		X						stream channel alteration; minimum streamflows; state protected rivers
IL	X	X	X		X	X	X				Asian Carp Elimination!
IN	X	X	X	X	X		X		X		
KS		X		X	X		X				
MD	X	X	X	X	X	X	X	X			
MO	X	X			X	X					
MS				X	X		X				
MT	X	X	X		X	X	X				

State	Aquatic Habitat	Riparian Habitat	Riparian Vegetation	Access to Water Bodies	Recreation Opportunities	Open Space	Wetlands	Estuaries	Dunes	Mangroves	Other
NC	X	X	X	X	X	X	X	X	X		
NE	X				X		X				
NH	X	X	X	X	X	X	X	X			
NJ	X	X	X	X		X	X		X		
NM						X	X				
NY	X	X	X	X	X	X	X	X	X		
OH	X	X	X	X	X	X	X	X	X		
OK		X			X	X	X				
PA	X	X	X	X	X	X	X	X	X		
PR	X	X	X	X	X	X	X	X	X	X	
RI	X	X		X		X	X	X	X		
SC	X	X	X	X	X	X	X	X	X		
TN	X	X	X	X	X		X				
UT											No significant activities.
VT	X	X	X			X	X				
WA	X	X	X	X	X	X	X	X	X		
WI	X	X	X	X	X	X	X		X		
WY	X	X					X				

43. What funding and/or technical assistance does your state provide for programs or activities (state, local, other) that preserve and/or restore natural floodplain functions and resources (including coastal and lakeshore)?

State	Funds to purchase floodplain lands for open space	Funds/assistance for trail systems	Funds/assistance for protection of wildlife habitat/endangered species	Funds for agricultural conservation	Funds for marsh restoration	Funds/assistance for historic preservation	Funds/assistance for cultural, scientific, educational sites	Funds/assistance for scenic easements, scenic areas	Others
AK		X	X	X				X	
AR			X	X		X			
CA	X	X	X		X		X		
CO	X	X	X				X	X	
CT	X	X	X	X	X	X			
DC			X						
DE			X	X		X			
FL	X	X	X	X		X	X		

State	Funds to purchase floodplain lands for open space	Funds/assistance for trail systems	Funds/assistance for protection of wildlife habitat/endangered species	Funds for agricultural conservation	Funds for marsh restoration	Funds/assistance for historic preservation	Funds/assistance for cultural, scientific, educational sites	Funds/assistance for scenic easements, scenic areas	Others
GA	X	X	X		X		X		
ID			X						
IL	X							X	
IN	X	X	X	X	X	X	X	X	
KS		X		X					
LA					X				
MD	X	X	X	X	X	X			
MO	X	X		X		X			
MS		X		X		X			
MT				X		X	X	X	
NC	X	X	X	X	X	X	X	X	
NE	X	X	X						
NH		X	X	X		X	X	X	
NJ	X								
NY	X	X	X	X	X	X		X	
OH	X	X	X	X	X	X	X		
OK		X	X					X	
PA		X		X		X	X		
PR	X								
RI	X				X				
SC		X	X		X	X	X	X	
TN		X				X			
UT									X
VT	X		X	X	X				
WA	X	X	X	X	X	X	X	X	
WI	X	X	X	X	X	X	X	X	
WY		X	X	X				X	

44. What programs or activities does your state use to directly protect or restore natural floodplain (including coastal and lakeshore) functions and resources? Please check only those that have been used in the last few years.

State	Designation of Flood-Prone Areas as Conservation Reserves or Natural Area Preserves	Easements Downstream of Dams	Authorization of Counties to Establish Open Space Farmland Banking Systems	Reclamation of Mining Operations in Riparian areas	Dam Removal	Levee Removal	Marsh Restoration	Others
CA		X	X			X	X	
CT					X		X	
DC							X	X
DE			X					
FL	X			X			X	
GA	X						X	X
IL	X				X			
IN	X							
LA							X	
MD				X	X		X	
MO	X							
MT	X			X				
NC	X		X		X		X	
NH					X			
NJ			X					
NY	X				X		X	
OH					X		X	
PA					X	X		
PR	X							
RI	X						X	
SC		X	X					
TN				X				
UT	X							
VT					X	X		X
WA	X		X	X	X	X	X	
WI	X			X	X	X	X	
WY				X				

46. Does your state have a coordinating committee or other mechanism to ensure that the natural functions and resources of flood-prone areas (including lake and ocean coasts and watersheds) are accounted for in decision making?

State	Response	State	Response	State	Response	State	Response
AK	No	HI	No	NC	No	PA	Yes
AL	No	ID	No	ND	No	PR	No
AR	No	IL	No	NE	No	RI	Yes
AZ	No	IN	No	NH	No	SC	No
CA	Yes	KS	No	NJ	No	TN	No
CO	Yes	KY	No	NM	Yes	UT	No
CT	No	LA	No	NV	No	VT	No
DC	Yes	MD	No	NY	No	WA	No
DE	Yes	MO	No	OH	No	WI	No
FL	Yes	MS	No	OK	No	WY	No
GA	Yes	MT	No	OR	No		

46.1. Please describe:

State	Response
CA	Coastal Commission, Central Valley Board, others
DC	There are a number of federal and District agencies such as Office of Planning, the District Department of the Environment, and National Capital Planning Commission.
DE	Preliminary Land Use Service that reviews large development projects. Committee of varying of state agencies.
FL	The Department of Environmental Protection is involved in managing the quality and quantity of water through its relationship with the state's five water management districts. The water management districts administer flood protection programs and perform technical investigations into water resources. The districts also develop water management plans for water shortages in times of drought and to acquire and manage lands for water management purposes under the Save Our Rivers program. Regulatory programs delegated to the districts include programs to manage the consumptive use of water, aquifer recharge, well construction and surface water management. As part of their surface water management programs, the districts administer the Department's stormwater management program. This increases the districts' contacts with local governments by directing the districts to help with the development of the water elements in local government comprehensive plans.
GA	Board of Natural Resources - board members appointed by governor with meetings 6 times per year, with different representation for coastal, metro and each congressional districts (10 or 11). Look at policy and regulatory programs brought before them.
NM	U.S. Army Corps of Engineers (USACE) Silver Jackets. State Flood Policy Council (SFPC)
PA	Municipalities Planning Code, PA Water Planning Group

47. Does your state have a program or plan for adaptation to climate change?

State	Response	State	Response	State	Response	State	Response
AK	No	HI	No	NC	No	PA	No
AL	No	ID	No	ND	No	PR	No
AR	No	IL	No	NE	No	RI	Yes
AZ	No	IN	No	NH	No	SC	No

State	Response	State	Response	State	Response	State	Response
CA	Yes	KS	Yes	NJ	Yes	TN	No
CO	Yes	KY	No	NM	No	UT	No
CT	Yes	LA	No	NV	No	VT	Yes
DC	No	MD	Yes	NY	Yes	WA	Yes
DE	Yes	MO	No	OH	No	WI	Yes
FL	No	MS	No	OK	No	WY	Yes
GA	No	MT	No	OR	Yes		

47.1. Does that program include consideration of how to protect natural functions and resources of flood-prone lands if storms become more intense, erosion increases, coastal areas subside, or water supplies diminish (for example)?

State	Response	State	Response	State	Response	State	Response
CA	No	KS	No	OR	Yes	WI	Yes
CO	Yes	MD	No	RI	No	WY	No
CT	No	NJ	No	VT	Yes		
DE	Yes	NY	Yes	WA	Yes		

48. Does your state have a program for fostering the creation and/or maintenance of green infrastructure? Please describe.

State	Response
AK	Programs are applied at the local level, including private contractors and such state supported programs will be in partnerships with funding agencies including the Federal government and with local implementation. This is true for all the topics in this section.
AZ	Not likely.
CA	Green building Codes
CT	NO
DC	The District Department of the Environment's Office of Policy and Sustainability is responsible for such program.
FL	Yes, to a certain extent, through the use of voluntary measures such as re-use water systems which divert use of potable water away from irrigation, and low impact development programs that advocate for the use of stormwater for local irrigation.
GA	Not clearly defined at this time.
IL	Not that I am aware of. However, I am sure they promote it somewhere!
IN	Not aware of such a program
KS	Not that I am aware of
MD	Department of Natural Resources has had Program Open Space for more than 10 years.
ND	In reference to question 47, climate, weather and the natural phenomenon that influences the two is dynamic.
NY	Yes. There is a planning element promoting green infrastructure. This is partly done through the stormwater program.
OH	Various, including Division of Litter and Recycling.
PA	DEP Growing Greener Grant Program, grants and technical assistance are offered by DCNR
PR	The program with the slogan, Puerto Rico Verde (Green), administered by the Energy Affairs Administration
UT	no.
VT	State funded river corridor easements and incentives for municipalities to create fluvial erosion hazards zones (river corridor zones) are the prime avoidance "green" infrastructure used by the State of Vermont. The equilibrium streams that functions within these protected corridors create and maintain floodplains and the ecosystem services they provide.
WI	The DNR has a Green Tier program to encourage industry to follow conservation practices, but nothing specific to green infrastructure.
WY	No.

49. Does your state require setbacks or buffer zones in the following areas?

State	High Risk Erosion Areas	Green-belt or Riparian Zones	Flood-plains	Wetlands	Shoreland Areas (coastal Construc-tion line or lakeshore setbacks)	Sand Dunes	Designated Natural Rivers	Fill	Coastal Features such as Dunes or Marshes	Other
AK										Recently added erosion as a disclosure item on real estate disclosure documents at the request of a local govt.
AL	X			X	X	X			X	
CA	X	X	X	X	X		X		X	
CT				X						
DC								X		
DE				X	X					
FL	X			X	X	X			X	Local regulations and planning practices often includes setbacks or buffer zones around rivers and other wetlands
GA	X				X	X	X		X	
MD	X	X	X	X	X				X	
MT			X	X	X		X			
NC		X			X					
NE							X			
NH					X		X			
NJ			X				X			
NY					X	X	X		X	
PA					X					
PR		X		X	X	X	X		X	
RI	X			X		X			X	
SC	X			X	X		X		X	
TN										scenic rivers
VT	X	X								Although not required by state law, we strongly encourage towns to adopt fluvial erosion hazard corridors as a no build/no fill zones. Doing so promotes long term stability and natural and beneficial functions.
WA					X	X				
WI					X		X			

50. Does your state have enabling legislation that allows communities to establish riparian, lakeshore, or coastal setbacks?

State	Response	State	Response	State	Response	State	Response
AK	No	HI	Yes	NC	No	RI	Yes
AL	Yes	ID	Yes	NE	No	SC	Yes
AR	No	IL	No	NH	Yes	TN	Yes
AZ	Yes	IN	Yes	NJ	Yes	UT	Yes
CA	Yes	KS	Yes	NM	No	VT	Yes
CO	Yes	KY	No	NY	No	WA	Yes
CT	No	LA	No	OH	Yes	WI	Yes
DC	No	MD	Yes	OK	No	WY	Yes
DE	Yes	MO	No	OR	Yes		
FL	Yes	MS	No	PA	No		
GA	Yes	MT	Yes	PR	Yes		

51. Does your state have legislation that requires review and approval of activities that could modify or alter the natural functions and/or resources of flood-prone areas (including lake and ocean coasts)?

State	Response	State	Response	State	Response	State	Response
AK	No	HI	No	NC	No	RI	No
AL	Yes	ID	No	NE	No	SC	Yes
AR	No	IL	No	NH	Yes	TN	No
AZ	No	IN	Yes	NJ	Yes	UT	No
CA	Yes	KS	Yes	NM	No	VT	No
CO	No	KY	No	NY	No	WA	Yes
CT	Yes	LA	No	OH	No	WI	Yes
DC	Yes	MD	Yes	OK	No	WY	No
DE	Yes	MO	No	OR	No		
FL	Yes	MS	No	PA	No		
GA	No	MT	Yes	PR	Yes		

51.1. Please provide the citation of any state legislation that requires review and approval of activities that could modify or alter the natural functions and/or resources of flood-prone areas.

State	Response
CT	CGS 25-68
DC	D.C. Law 5-188 (DC Water Pollution Control Act); DCMR 20 Chapter 31 - Flood Hazard Rules; DC Law 2-23 Soil Erosion & Sediment Control Act
FL	Chap. 161 FS Part III- Coastal Zone Protection; Chap. 373 FS- Water Resources; Chap. 380 FS- Environmental Land & Water Management Act of 1972; Rule 9B-74 FAC- Statewide Building Code
IN	IC 14-28-1
KS	K.S.A. 24-126
MD	Environment Article, title 16 201-205; 5-901-5-911; Natural Resources Article 8-1808
MT	MCA-76-5 and ARMs, 310, 401 cert, and floodplain sections
NH	NH Code of Administrative Rules Env-Wq 1500
NJ	NJSA 58:16A-50 et seq - Flood Hazard Area Control Act

State	Response
PR	Law no. 49, Jan, 4, 2003, Law no. 55 Jan. 22, 2004
WA	RCW 43.21
WI	87.30, Wis. Stats.

51.2. Is the review and approval accomplished at the state or community level?

State	State	Community	Neither
AL		X	
CA	X		
CT	X		
DC	X		
DE		X	
FL	X		
IN	X		
KS	X		
MD	X		
MT		X	
NH	X		
NJ	X		
PR	X		
SC	X		
WA		X	
WI		X	

51.3. Is the review and approval tied to a size or impact threshold for activities that could modify or alter the natural functions and/or resources of flood-prone areas?

State	Response	State	Response	State	Response	State	Response
AL	No	DE	No	MD	No	PR	No
CA	No	FL	Yes	MT	No	SC	No
CT	Yes	IN	No	NH	Yes	WA	No
DC	Yes	KS	Yes	NJ	No	WI	Yes

51.4. What are the size or threshold triggers that bring the review and approval into play? Please describe.

State	Response
CA	We have the CEQA process which requires detailed environmental impact analysis and mitigation to reduce impacts to an acceptable level.
CT	When state funds are utilized to fund "critical activities" in either 100 or 500 year floodplains, a floodplain management certification is required before activities can occur. This can include bridge replacement, construction of prisons or schools, etc. State permits are also required in designated Stream Channel Encroachment Line (SCEL) areas, flood boundaries predating FEMA maps developed in 1950s, not available on every watercourse.
DC	50 - 5000 sf of land disturbing area.

State	Response
KS	Project must be in the floodplain of a "stream" which is defined in regulation as having a certain drainage area (240, 320 or 640 acres) above the point of the project, depending on its location in the state, and well defined bed and banks.
MD	100 cubic yards of fill require a detailed analysis - Any activity within a floodplain requires a State permit.
MT	310 - highwater mark floodplain program - development in designated SFHA
NH	Project disturbs more than 100,000 sq. ft. of contiguous terrain or project disturbs 50,000 sq. ft. within the Protected Shoreland.
PR	n/a
WI	.01 foot flood stage increase

52. What tax incentives does your state have to keep or restore floodplain lands (including coastal and lakeshore areas) to their natural state or to donate them to public open space use? (Please check if this provision is in your tax code and could apply to floodplain lands, even if you do not know whether it has been used.)

State	Property Tax Break for Open Space or Public Donation	Income Tax Break for Open Space or Public Donation	Inheritance Tax Break for Open Space or Public Donation	Pur-chase of Ease-ments	Tax Breaks for Forest Preser-vation	Tax Breaks for Farmland Preser-vation	Tax Breaks for Wildlife Habitat Preservation	Tax Return Check-off for Endangered Resource Protection	None	Other
AK									X	Taxes are applied at the local level
AL									X	
CT									X	
FL	X			X		X				Local incentives are also used
GA	X									
ID					X	X				
IL										Not sure!
IN					X	X	X	X		
KS									X	
MD				X	X	X		X		
MO	X		X	X						
NC				X	X	X	X			
ND									X	
NE									X	
NJ									X	
NY					X	X				
OH									X	

State	Property Tax Break for Open Space or Public Donation	Income Tax Break for Open Space or Public Donation	Inheritance Tax Break for Open Space or Public Donation	Pur-chase of Ease-ments	Tax Breaks for Forest Preser-vation	Tax Breaks for Farmland Preser-vation	Tax Breaks for Wildlife Habitat Preservation	Tax Return Check-off for Endangered Resource Protection	None	Other
PR									X	
RI									X	
SC									X	
TN				X		X				
UT									X	
VT									X	
WA					X	X	X			
WI	X			X	X	X	X	X		

53. Besides tax incentives, what legal techniques does your state use to preserve and/or restore natural floodplain functions and/or resources? Please check only if you know the technique has been applied to flood-prone lands in the last few years.

State	Easements	Land Acquisitions	Transfer of Development Rights	Land Swaps	Rezoning	Mitigation Banking (wetlands, other resources)	Others
CT			X				
DE	X		X				
FL	X	X		X		X	X
GA		X					
ID						X	X
IL	X	X				X	
IN		X					
KS	X	X				X	
MD	X	X				X	
MO	X	X				X	
MT	X	X			X		
NC	X	X			X	X	
NJ		X					
NY		X					
OH		X			X		
PA	X		X	X	X		
PR			X				
RI	X	X					
SC	X	X	X			X	
TN		X	X				
UT							X
VT	X	X			X	X	
WA	X	X	X		X	X	
WI	X	X	X	X	X	X	
WY	X						

54. Which natural functions and resources related to floodplains or activities that impact these natural functions and resources are depicted in the state's GIS?

State	Land cover	Wetlands	Coastal Zones	Setbacks	Buffer Zones	Rare/endangered species habitat	Vegetation Types	Environmentally Sensitive Areas	Sub-merged Lands Grants and Leases (lakebed grants)	Fill	Others
AR	X										
CT	X	X	X								
DC	X	X									
DE		X	X								
GA	X	X	X				X	X		X	X
ID	X						X				
KS		X									X
MD	X	X	X		X	X	X	X			
MO	X					X					
MS	X	X	X								
MT		X									
NC	X	X	X	X	X			X			
NH	X	X						X			
NJ	X	X	X		X	X	X				
NY		X				X					
OH		X	X								
OR		X	X								
PR	X	X	X					X			
RI	X	X				X	X				
SC	X	X	X								
TN	X	X				X					
VT	X	X		X							X
WA	X	X	X		X		X				
WI	X	X	X			X	X	X			
WY							X	X			

54.1. Does the state floodplain management program have ready-access to these GIS data sets?

State	Response	State	Response	State	Response	State	Response
AR	Yes	MD	Yes	NY	Yes	VT	Yes
CT	Yes	MO	Yes	OH	Yes	WA	Yes
DC	Yes	MS	No	OR	Yes	WI	Yes
DE	Yes	MT	Yes	PR	Yes	WY	No
GA	Yes	NC	Yes	RI	Yes		
ID	Yes	NH	Yes	SC	Yes		
KS	Yes	NJ	Yes	TN	Yes		

55. Are federal activities and/or regulations contributing to the loss of natural resources in your state?

State	Response	State	Response	State	Response	State	Response
AK	Yes	HI	No	MT	Yes	PR	No
AL	No	ID	No	NC	Yes	RI	No
AR	No	IL	Yes	NE	No	SC	Yes
AZ	No	IN	No	NH	No	TN	No
CA	Yes	KS	No	NJ	No	UT	No
CO	Yes	KY	No	NM	No	VT	Yes
CT	No	LA	Yes	NY	Yes	WA	No
DC	No	MD	No	OH	No	WI	Yes
DE	No	MO	No	OK	No	WY	No
GA	No	MS	No	PA	No		

55.1. How are federal activities and/or regulations contributing to the loss of natural resources in your state? Please describe.

State	Response
AK	Loose adherence to compliance with Executive order 11988 and AO 175 is contributing to damage.
CO	We worked on a project with a federal agency that required the extreme removal of vegetation along the banks of one of our Rivers.
IL	Poor enforcement of EO11988 USACE lease cabins
LA	Several sources have indicated the Mississippi River Levee System has contributed to Louisiana's coastal erosion.
MT	DOT - bridges & highways COE - emergency work/flood control structures * funding growth infrastructure
NC	Military reservations continue to expand resulting in loss of natural resources.
NY	Highway development and expansion often encroaches on floodplains and natural resources. Older Corps flood protection projects have channelized and constrained streams.
SC	Non-enforcement of EO 11988. Lessening of the wetlands regulations and enforcement.
VT	NFIP minimum regulations (44 CFR 60.3) allow for the continued and incremental filling of floodplains over time. Protection of the regulatory floodway is not enough. Flood fringe areas offer tremendous floodwater, sediment, and nutrient attenuation benefits and are essential to a healthy riparian ecosystem overall watershed health. Floodplains deserve more federal protection than they currently receive. There are currently no meaningful and tangible incentives for municipalities to adopt higher standards (CRS is too burdensome for small towns). Avoidance and divestment from floodprone areas is the best way to mitigate flood risk and protect natural and beneficial floodplain functions. There must be a paradigm shift and change of national regulations, policy, and incentive programs to achieve the goal of avoidance.
WI	Construction of roads/bridges in floodplain and wetland areas.

PRINCIPLE 5:
Development within the state must be guided away from flood-prone areas; adverse impacts of development both inside and outside the floodplain must be minimized.

57. Are communities required by your state to conduct land use planning as part of their land development review process?
57.1. Does the state have oversight responsibilities for local land use planning?
57.2. Does local land use planning include a requirement for consideration of hazards?
57.3. Does local land use planning include a requirement for consideration of flood hazards?

State	57. Required to conduct land use planning.	57.1. State has oversight responsibilities.	57.2. Requirement for consideration of hazards?	57.3. Requirement for consideration of flood hazards?
AK	No			
AL	No			
AR	No			
AZ	No			
CA	Yes	No	Yes	Yes
CO	No			
CT	Yes	No	No	No
DC	Yes	Yes	Yes	Yes
DE	Yes	Yes	Yes	Yes
FL	Yes	Yes	Yes	Yes
GA	No			
HI	No			
ID	No			
IL	No			
IN	No			
KS	No			
KY	No			
LA	No			
MD	Yes	Yes	Yes	Yes
MO	No			
MS	No			
MT	Yes	No	Yes	Yes
NC	No			
ND	No			
NE	No			
NH	Yes	No	No	No
NJ	No			
NM	Yes	Yes	Yes	Yes
NY	No			
OH	No			
OK	No			
PA	No			

State	57. Required to conduct land use planning.	57.1. State has oversight responsibilities.	57.2. Requirement for consideration of hazards?	57.3. Requirement for consideration of flood hazards?
PR	Yes	Yes	Yes	Yes
RI	No			
SC	Yes	No	Yes	Yes
TN	No			
UT	No			
VT	Yes	No	Yes	Yes
WA	Yes	Yes	Yes	Yes
WI	No			
WY	No			

58. Who regulates the following portion of the floodplain? (You may check both if both apply or neither.)

- Floodway (FW)
- Floodway fringe (FF)
- Velocity zones (VZ)
- Alluvial fans (AF)
- Erosion Hazard Area (EHA)

State	State Response	Community
AK		FW, FF, VZ
AL		FW, FF, VZ, AF, EHA
AR		FW, FF, VZ
AZ		FW, FF, VZ, AF, EHA
CA		FW, FF, VZ, AF
CT	FW, FF, VZ	FW, FF, VZ
DC	FW, FF, VZ, AF, EHA	
DE		FW, FF, VZ
FL	FW, FF, VZ, EHA	FW, FF, VZ, EHA
GA	EHA	FW, FF, VZ, EHA
HI		FW, FF
ID		FW, FF, VZ, AF, EHA
IL	FW	FW, FF, VZ, AF, EHA
IN	FW	FW, FF
KS	FW, FF	FW, FF
KY	FW, FF	FW, FF
LA		FW, FF, VZ, AF, EHA
MD	FF	FW, FF, VZ, EHA
MO	FW, FF	FW, FF
MS		FW, FF, VZ
MT		FW, FF, EHA
NC	EHA	FW, FF, VZ
ND	FW	FW
NE		FW, FF,
NH		FW, FF, VZ
NJ	FW, FF	FW, FF
NM		FW, FF, EHA

State	State Response	Community
NV		FW, FF, VZ, AF, EHA
NY	EHA	FW, FF, VZ, EHA
OH		FW, FF
OK	FW, FF	FW, FF
PA	FW, FF	FW, FF
PR	FW, FF, VZ, AF, EHA	FF, VZ, AF, EHA
RI		FW, FF, VZ
SC		FW, FF, VZ, AF, EHA
TN		FW, FF
UT		FW, FF, VZ, AF, EHA
VT		FW, FF, EHA
WA	FW	FW, FF, VZ, AF, EHA
WI		FW, FF, VZ, AF, EHA
WY		FW, FF, AF, EHA

59. Which of the following floodplain management regulations or standards are required by your state, by localities, or both? And which have been implemented in your state? Please check applicable boxes.

- Flood hazard disclosure (FHD)
- Floodplain/coastal/watershed planning (FCWP)
- Stormwater management/detention requirements (SWMDR)
- Floodplain Open Space Preservation (FOSP)
- Freeboard standards (Feet above BFE) (BFS)
- Floodway encroachment standards (FES)
- Public awareness/outreach programs (PAOP)
- Compensatory storage requirements (CSR)
- Dam failure warning/ response systems & plans (DFWRSP)
- X-zone drainage/protection Requirements (XZDPR)
- Sensitive areas/watershed protection regulations (SAWPR)
- Critical facilities protection to _-year standard (CFP)
- Setback requirements from water-bodies: lakes, ocean, rivers (SRWB)
- Water quality regulations (WQR)
- Special hazard regulations (SHR)
- Coastal erosion protection (CEP)
- Flood warning system program (FWSP)
- Levee maintenance/failure emergency response (LMFER)
- Drainage system maintenance (DSM)
- Dry land access (DLA)
- Other statewide standards or activities (OSSA)

State	Required by State	Required by Local	Implemented by State	Implemented by Local
AK	FHD, DFWRSP		DFWRSP	
AL			FES, PAOP, SRWB, WQR, SHR, CEP, FWSP	FHD, FCWP, SWMDR, FOSP, BFS, WQR, CEP, FWSP, LMFER, DSM, DLA
AR	DFWRSP, WQR	FES	DFWRSP, WQR	FES
AZ	BFS, DFWRSP, WQR			
CA	FHD, FCWP		FHD, FCWP	

State	Required by State	Required by Local	Implemented by State	Implemented by Local
CT	FHD, FCWP, SWMDR, FES, CSR, WQR, DSM	SWMDR, CSR, DSM	FHD, FCWP, SWMDR, FOSP, FES, PAOP, CSR, SAWPR, CFP, SRWB, WQR, FWSP, LMFER, DSM, DLA	FCWP, SWMDR, FOSP, BFS, FES, PAOP, CSR, SRWB, WQR, DSM, DLA
DC	FHD, FCWP, SWMDR, FOSP, BFS, FES, PAOP, CSR, WQR, SHR, FWSP, DSM		FHD, FCWP, SWMDR, FOSP, BFS, FES, PAOP, CSR, WQR, SHR, FWSP	
DE	FHD, SWMDR	FCWP, FOSP, BFS, FES, CSR, DFWRSP, SAWPR, CFP, SRWB, WQR, SHR	CEP, DSM	PAOP, FWSP
FL	FHD, FCWP, SWMDR, FOSP, FES, CSR, DFWRSP, XZDPR, SAWPR, SRWB, WQR, CEP	BFS, SRWB, CEP, DSM	FCWP, SWMDR, FOSP, FES, PAOP, CSR, DFWRSP, XZDPR, SAWPR, SRWB, WQR, CEP, LMFER	FCWP, SWMDR, FOSP, BFS, FES, PAOP, XZDPR, SRWB, CEP, LMFER, DSM
GA	FHD, SWMDR, FOSP, DFWRSP, SAWPR, SRWB, WQR, CEP	FCWP	BFS, PAOP, CFP	BFS, FES, PAOP, CSR, LMFER, DSM
ID	DFWRSP, WQR		PAOP, DFWRSP, WQR	FHD, SWMDR, FOSP, BFS, FES, PAOP, CSR, DFWRSP, XZDPR, SAWPR, CFP, SRWB, WQR, SHR, FWSP, LMFER, DSM, DLA
IL	FES, CFP, WQR	CSR, CFP, WQR	FES, CFP, WQR	FHD, FCWP, SWMDR, FOSP, BFS, PAOP, CSR, DFWRSP, SAWPR, CFP, SRWB, WQR, SHR, FWSP, LMFER, DSM, DLA
IN	FHD, BFS, FES	SWMDR, BFS	FHD, FCWP, BFS, FES, PAOP, LMFER	FCWP, SWMDR, BFS, PAOP, CSR, SAWPR, SRWB, WQR, CEP, FWSP, LMFER, DSM, DLA
KS	SWMDR, BFS, FES, DFWRSP, WQR, OSSA	FHD, SWMDR, FOSP, BFS, FES, CFP, SRWB, WQR	SWMDR, BFS, FES, PAOP, DFWRSP, WQR, OSSA	FHD, SWMDR, FOSP, BFS, FES, PAOP, DFWRSP, CFP, SRWB, WQR, FWSP, LMFER
LA	FHD, DFWRSP, OSSA		FHD, PAOP, DFWRSP, OSSA	
MD	FCWP, SWMDR, BFS, PAOP, DFWRSP, SAWPR, CFP, SRWB, WQR, CEP, DSM	SWMDR, BFS, FES, CSR, DFWRSP, SRWB	WQR	FCWP, SWMDR, PAOP, XZDPR, SAWPR, SRWB, FWSP, LMFER, DSM
MO	DFWRSP, SAWPR, FWSP	FOSP, FES, FWSP	FOSP, FES, PAOP, DFWRSP	FHD, SWMDR, BFS, CSR, SRWB, LMFER, DSM
MS	FHD, SWMDR, DFWRSP	WQR	PAOP	FCWP, FOSP, BFS, FES, PAOP, DFWRSP, XZDPR, CFP, SRWB, FWSP, LMFER, DSM, DLA
MT	FHD, FCWP, FOSP, BFS, FES, DFWRSP, XZDPR, SAWPR, SRWB, WQR, SHR, DLA, OSSA	DFWRSP, SAWPR, SRWB, WQR, SHR, LMFER, OSSA	PAOP, DFWRSP, XZDPR, WQR, SHR, LMFER, OSSA	FHD, FCWP, SWMDR, FOSP, BFS, FES, PAOP, CSR, DFWRSP, XZDPR, SAWPR, SRWB, WQR, SHR, FWSP, LMFER, DSM, DLA, OSSA
NC	FCWP, SWMDR, DFWRSP, SAWPR, SRWB, WQR, CEP, FWSP	FHD, FCWP, SWMDR, FOSP, BFS, FES, PAOP, CSR, SAWPR, SRWB, WQR, CEP, LMFER, DSM, DLA	FCWP, SWMDR, DFWRSP, SAWPR, SRWB, WQR, CEP, FWSP	FHD, FCWP, SWMDR, FOSP, BFS, FES, PAOP, CSR, SAWPR, SRWB, WQR, CEP, LMFER, DSM, DLA
ND	BFS, FES, DFWRSP	BFS, FES	DFWRSP	
NE	BFS, FES, DFWRSP		WQR	LMFER, DSM

State	Required by State	Required by Local	Implemented by State	Implemented by Local
NH	SRWB, WQR		SWMDR, PAOP, DFWRSP, SAWPR, CEP, LMFER, DSM	SWMDR, FOSP, BFS, FES, CSR, DFWRSP, FWSP, LMFER, DSM
NJ	FCWP, SWMDR, BFS, FES, CSR, DFWRSP, SAWPR, SRWB, WQR, CEP, OSSA		FOSP, BFS, FES, FWSP	FCWP, SWMDR, FOSP, BFS, FES, SRWB, WQR, CEP, OSSA
NM	FCWP, PAOP, DFWRSP, CFP	FHD, SWMDR, FOSP, BFS, FES, PAOP, DFWRSP, CFP, DSM	FCWP, PAOP, DFWRSP, CFP	FHD, SWMDR, FOSP, BFS, FES, PAOP, DFWRSP, CFP, DSM
NV				FCWP, SWMDR, BFS, FES, PAOP, CSR, DFWRSP, FWSP, LMFER, DSM
NY	FHD, FCWP, SWMDR, BFS, DFWRSP, WQR, CEP, LMFER	SWMDR, FES	FCWP, SWMDR, PAOP, DFWRSP, WQR, CEP, FWSP, LMFER	FCWP, SWMDR, BFS, FES, PAOP, CSR, WQR, CEP, FWSP, LMFER
OH	FHD, DFWRSP, SAWPR, CFP, WQR, CEP, LMFER	BFS, FES, CSR, LMFER	FHD, DFWRSP, SAWPR, CFP, WQR, CEP, FWSP, LMFER	BFS, FES, CSR, FWSP, LMFER
OK	FHD, DFWRSP, WQR		FCWP, BFS, PAOP, CFP, SRWB, SHR, LMFER, DSM	FCWP, SWMDR, FOSP, BFS, FES, PAOP, CSR, XZDPR, SAWPR, CFP, SRWB, SHR, LMFER, DSM
PA	BFS, FES, DFWRSP, WQR		PAOP	FHD, FCWP, SWMDR, BFS, FES, PAOP, DFWRSP, WQR, FWSP
PR	FHD, FCWP, SWMDR, FOSP, BFS, FES, PAOP, CSR, DFWRSP, XZDPR, SAWPR, CFP, SRWB, WQR, SHR, CEP, FWSP, LMFER, DSM, DLA, OSSA	SWMDR, SRWB, FWSP, DSM	FHD, FCWP, SWMDR, FOSP, BFS, FES, PAOP, CSR, DFWRSP, XZDPR, SAWPR, CFP, SRWB, WQR, SHR, CEP, FWSP, LMFER, DSM	SWMDR, SRWB, FWSP, DSM
RI	FHD, FCWP, SWMDR, BFS, CSR, DFWRSP, SAWPR, CFP, SRWB, WQR, SHR, CEP, DSM, DLA	FCWP, FES, CSR, DFWRSP, CFP, SRWB, SHR, LMFER, DSM, DLA	FHD, FCWP, SWMDR, FOSP, BFS, PAOP, CSR, DFWRSP, SAWPR, CFP, SRWB, WQR, SHR, CEP, DSM, DLA	FCWP, FOSP, BFS, FES, PAOP, CSR, DFWRSP, CFP, SRWB, SHR, LMFER, DSM, DLA
SC	WQR	FES, WQR	SWMDR, DFWRSP, CEP	FCWP, SWMDR, FES, PAOP, CSR, DFWRSP, SRWB, WQR, CEP, LMFER, DSM, OSSA
TN			SAWPR, WQR	FHD, FCWP, SWMDR, FOSP, BFS, FES, PAOP, CSR, DFWRSP, XZDPR, CFP, SRWB, SHR, FWSP, LMFER, DSM, DLA
UT			PAOP, OSSA	FHD, FCWP, SWMDR, FOSP, BFS, FES, PAOP, CSR, DFWRSP, XZDPR, SAWPR, CFP, SRWB, WQR, SHR, CEP, FWSP, LMFER, DSM, DLA, OSSA
VT	FHD, SWMDR, WQR	FES	FCWP, FOSP, PAOP	FCWP, FOSP, BFS, SAWPR, SRWB, SHR
WA	FHD, FCWP, SWMDR, FOSP, FES, DFWRSP, SAWPR, SRWB, WQR, SHR	FCWP, SWMDR, BFS, FES, CSR, SAWPR, CFP, SRWB, WQR, SHR, LMFER, DSM	FHD, PAOP, DFWRSP	FCWP, SWMDR, FOSP, BFS, FES, PAOP, CSR, XZDPR, SAWPR, CFP, SRWB, WQR, SHR, CEP, FWSP, LMFER, DSM

State	Required by State	Required by Local	Implemented by State	Implemented by Local
WI	FHD, FCWP, BFS, FES, CSR, DFWRSP, SRWB, WQR, CEP, LMFER, DLA	SWMDR	FHD, DFWRSP, WQR, CEP	FCWP, SWMDR, BFS, FES, CSR, SRWB, LMFER, DLA
WY	FHD, DFWRSP, WQR, LMFER	CFP, SRWB, FWSP	WQR, LMFER	FHD, DFWRSP, CFP, SRWB, FWSP, LMFER

60. Which of the following activities within the floodplain are exempted from local regulations? Please indicate the source of the exemption (e.g., exempted by state law, by regulation, governor's executive order, because it's not specifically identified as regulated, etc.). Please check all that apply.

- State property/facilities (SPF)
- Federal property/facilities (FPC)
- Development by local governments (DLG)
- Agriculture (AG)
- Public utilities (PU)
- Private utilities (PI)
- Small projects (< $50,000) (SPJ)
- Small drainage basins (< 2 sq. mi.) (SDB)
- Transportation facilities (TF)
- Mining (MNG)
- Forestry (FRSTY)
- On-site Waste Disposal (OSWD)
- Setback requirement for small buildings (SRSB)
- Other (OTH)

State	State Statute	Governor's Executive Order	Attorney General's Opinion	Case Law	Don't Know
AL	SPF, PU, PI, SPJ, TF, MNG, FRSTY, OSWD			DLG	FPC, AG, SDB, SRSB, OTH
AR	SPF				FPC, DLG, AG, PU, PI, SPJ, SDB, TF, MNG, FRSTY, OSWD, SRSB
CT					FPC, PU
DC	FPC				
DE					FPC, PU
GA		SPF			
ID	AG, OTH				PU, PI, MNG
IL	SDB				
IN					FPC
LA	SPF, TF				FPC, DLG, AG, PU, PI, SPJ, SDB, MNG, FRSTY, OSWD, SRSB, OTH
MD					SPF, FPC
MO		SPF			FPC
MS	SPF				FPC
MT	AG				
NC	SPF, AG				FPC, PU
NJ	SPF				FPC
NM	PU, TF, MNG				SPF, FPC, DLG, AG, PI, SPJ SDB, FRSTY, OSWD, SRSB, OTH
NV		SPF			FPC
NY					SPF, FPC
OH	SPF, FPC				
OK	SPF				

State	State Statute	Governor's Executive Order	Attorney General's Opinion	Case Law	Don't Know
PA	PU, PI, TF				
PR					SPF, FPC, DLG, AG, PU, PI, SPJ, SDB, TF, MNG, FRSTY, OSWD, SRSB, OTH
RI	SPF				
SC	AG, FRSTY	SPF, TF, OTH			FPC, DLG, PU, PI, FRSTY
TN	AG				
UT	DLG, TF			TF	SPF, FPC, AG, PU, PI, SPJ, SDB, MNG, FRSTY, OSWD, SRSB, OTH
VT	AG, PU, FRSTY				
WA	OTH				
WI	SPF, FPC				

64. When adopting local floodplain regulations, communities must regulate to the most recent effective date of the FEMA/NFIP map in their regulations. However, some communities are being allowed to provide language that allows the maps to be updated without having to update the ordinance. They accomplish this by providing automatic adoption language. Does your state allow communities to provide for automatic flood-map adoption without having to amend the local regulations?
64.1. Please explain how the communities reflect the adoption of a regulatory flood map.

State	Response	Explanation
AK	Yes	Resolution
AL	Yes	Through the auto adopt language in the ordinance/resolution. By providing map depositories for current effective flood maps.
AR	No	
AZ	Yes	Communities make reference to current flood map and regulations and then add "and all subsequent amendments and/or revisions"
CA	Yes	
CO	No	
CT	No	
DC	No	
DE	Yes	
FL	Yes	If the new maps demonstrate a higher level of regulation (new flood zones) than existed previously, the communities must update their ordinance to reflect this change, and must adopt the revised ordinance. Although the community is allowed to exercise the auto-adopt feature when there are no differences in mapped SFHAs, FEMA Region IV requires a review of every ordinance before new maps become effective. If the Region determines that the ordinance needs to be updated for any reason, the community is required by FEMA to update the ordinance. This action essentially overrides the auto-adopt element in most cases.
GA	Yes	It is reflected in the local flood ordinance under the section titled Basis for Area of Special Flood Hazard . . . any revision thereto, are adopted by reference and declared a part of this ordinance.
HI	Yes	No State Attorney General ruling received. However, all four participating communities in Hawaii have an automatic adoption clause in their local floodplain management ordinances.
ID	No	

State	Response	Explanation
IL	No	
IN	No	
KS	No	
KY	Yes	
LA	Yes	The state's model ordinance includes any updates.
MD	Yes	Local Ordinance has auto adoption clause
MO	No	
MS	No	
MT	No	
NC	No	
ND	No	
NE	Yes	The attorney general has not rendered a decision on this activity.
NH	No	
NJ	No	
NM	No	
NV	Yes	Current map is adopted along with "all subsequent revisions"
NY	No	
OH	Yes	required language in local regs
OK	No	
PA	Yes	Ordinance contain the language "or the most recent revision thereof".
PR	Yes	Through a resolution establishing its adoption
RI	No	
SC	No	
TN	No	
UT	Yes	Utah's legislature has not restricted communities from automatically adopting FIS and FIRMs.
VT	Yes	Here is the text found in our model flood hazard bylaws: These regulations shall apply to the Special Flood Hazard Area in and on the most current flood insurance studies and maps published by the Department of Homeland Security, Federal Emergency Management Agency, National Flood Insurance Program, as provided by the Secretary of the Agency of Natural Resources pursuant to 10 V.S.A. Chapter 32 § 753, which are hereby adopted by reference and declared to be part of these regulations.
WA	Yes	In their ordinance they can adopt their first effective maps and FIS and include the clause "and any revisions thereto".
WI	No	
WY	No	

65. Are you aware of occasions when your state agencies have not complied with NFIP minimum floodplain management requirements?
66. Are state agencies required to obtain development permits from the community for state construction projects within the local jurisdiction?
67. Are state agencies required to obtain development permits or approvals from another state agency?
70. Are state agencies prohibited from constructing in the floodway?
70.1. Comments

State	65. None Compliance with NFIP	66. Required Permits within the Local Jurisdiction?	67. Permits or Approvals from another State Agency?	70. Prohibited from Constructing in the Floodway?	70.1. Comments
AK	Yes	Yes	No	No	All designs are in adherence with Federal guidelines. Typically designs are greater than the 100 year flood design for fish passage.
AL	No	Yes	No	No	Must comply with 44 CFR 60.3
AR	Yes	Yes	No	No	
AZ	Yes	Yes	Yes	No	As long as the development does not cause a rise in the base flood elevation.
CA	Yes	No	Yes	No	CA dept. of Transportation has to retrofit bridges, often doing construction in the floodway.
CO	Yes	Yes	No	No	
CT	Yes	No	Yes	No	state agencies must get a flood management certification and perform hydraulic analysis showing no rise
DC	No	Yes	Yes	No	It must comply with minimum NFIP requirements and Title 20 DCMR Chapter 31 - Flood Hazard Rules
DE	No	No	Yes	No	
FL	No	Yes	Yes		
GA	No	No	Yes	No	Roads encroach on floodway.
HI	No	No	Yes	No	The SCO does not have a copy of the State Executive Order which is believed to exist.

State	65. None Compliance with NFIP	66. Required Permits within the Local Jurisdiction?	67. Permits or Approvals from another State Agency?	70. Prohibited from Constructing in the Floodway?	70.1. Comments
ID	Yes	Yes	Yes	No	I don't know if design standards exist for state projects. There are many local highway districts and each may have its own design standards. Local communities try to enforce no-rise or limited rise due to transportation projects, but often there is little cooperation or coordination between the transportation agency and the local community.
IL	Yes	No	Yes	No	
IN	No	Yes	Yes	No	
KS	No	Yes	Yes	No	
KY	Yes	Yes	Yes	No	
LA	Yes	No	Yes	Yes	This cannot be confirmed.
MD	No	No	Yes	No	
MO	No	No	Yes	No	They must follow FEMA procedures at a minimum
MS	Yes	Yes	Yes	No	
MT	Yes	Yes	Yes	No	Bridges and roads are not prohibited, but most new structures are.
NC	Yes	No	No	No	State construction must follow requirements in E.O. 123 which mirrors the NFIP regulations. Floodway and non-encroachment areas encroachments are not prohibited but are required to meet the same requirements as 44 CFR 60.3(d)(3),(4). NCDOT has a MOA with the NC Flood Mapping Program. We review all floodway encroachments for compliance.
ND	No	Yes	No	No	
NE	No	Yes	Yes	No	Development would need to meet no-rise requirements
NH	Yes	No	No	No	
NJ	Yes	No	Yes	Yes	
NM	Yes	No	No	Yes	
NV	No	No	No		

State	65. None Compliance with NFIP	66. Required Permits within the Local Jurisdiction?	67. Permits or Approvals from another State Agency?	70. Prohibited from Constructing in the Floodway?	70.1. Comments
NY	No	No	No	No	Floodway development is allowed if there is a no-rise analysis or a LOMR.
OH	Yes	No	Yes	No	
OK	Yes	No	Yes	No	
PA	Yes	Yes	Yes	Yes	
PR	Yes	Yes	Yes	Yes	
RI	No	No	Yes	No	
SC	Yes	No	No	No	
TN	Yes	No	Yes	No	State agencies are only guided by Governor's Executive Order #12 which is similar to 11988.
UT	Yes	Yes	Yes	No	
VT	Yes	No	No	No	Held to the "no-rise" standard like everyone else (44 CFR 60.3(d)(3)) - no formalized review process in place, however.
WA	Yes	Yes	Yes	No	State projects in floodway must follow no rise rule and cannot be residential.
WI	Yes	No	No	No	
WY	No	Yes	Yes	No	

71. Are federal activities and/or regulations contributing to flooding problems in your state?
71.1. How are federal activities and/or regulations contributing to flooding problems in your state?

State	71. Response	71.1. Explanation
AK	Yes	Complicated Hydrodynamic situations have caused applications issues and become a questionable practice with respect to the 44 CFR 60.3 c 10 application.
AL	No	
AR	No	
AZ	No	
CA	Yes	Corps of Engineers levee improvement projects may result in higher populations in levee protected areas that may result in an increase in flood damages during future flood events. Many urbanized areas have a minimum 100-yr level of protection which allows development inconsistent with the residual flood risk.
CO	Yes	
CT	No	
DC	Yes	Lack of maintenance of federal levees and flood walls.
DE	No	
GA	No	
HI	No	

State	71. Response	71.1. Explanation
ID	Yes	The NFIP regulations allow fill, LOMCs, relocation of floodways, etc. Most communities in Idaho adopt minimum NFIP standards and think of the NFIP as a federal program. The NFIP regulations seem to be having the greatest effect.
IL	Yes	No enforcement of EO 11988. Very minimal FEMA presence in state and local floodplain activities.
IN	No	
KS	No	
KY	Yes	
LA	Yes	Federal Levees have previously failed.
MD	No	
MO	Yes	Excess water releases into the Missouri River from upstream dams
MS	Yes	any development in the floodplain contributes to increased flooding
MT	No	
NC	Yes	WHIP and EQIP cost share programs within NRCS includes placing culverts in the floodways and non-encroachment areas without compliance to local ordinances. US COE issues 404 permits for projects that may be in violation of the NFIP. HUD through the CDBG will fund to rehab houses in the SFHA without regard to the substantial improvement and local regulations.
ND	No	
NE	No	
NH	No	
NJ	No	
NM	Yes	Levee maintenance has put a burden on community's that do not have the financial or man power to maintain levees.
NY	Yes	The Federal Executive Order 11988 is often ignored leading to some floodplain development that is not regulated.
OH	Yes	development non-compliant w/ EO11988
OK	No	
PA	No	
PR	No	
RI	No	
SC	Yes	LACK OF COORDINATION/COOPERATION
TN	No	
UT	No	
VT	Yes	As stated previously: NFIP minimum regulations (44 CFR 60.3) allow for the continued and incremental filling of floodplains over time. Protection of the regulatory floodway is not enough. Flood fringe areas offer tremendous floodwater, sediment, and nutrient attenuation benefits and are essential to a healthy riparian ecosystem. Floodplains deserve more federal protection than they currently receive. There are currently no meaningful and tangible incentives for municipalities to adopt higher standards. Avoidance is the best way to mitigate flood risk and protect natural and beneficial floodplain functions. There must be a paradigm shift and change of national regulations, policy, and incentive programs to achieve the goal of avoidance.
WA	No	
WI	Yes	road/bridge projects not compliant with state regs
WY	No	

72. Has your state adopted a building code?

State	Response	State	Response	State	Response	State	Response
AK	Yes	HI	Yes	NC	Yes	PR	Yes
AL	No	ID	Yes	ND	Yes	RI	Yes
AR	Yes	IL	No	NE	Yes	SC	Yes
AZ	No	IN	Yes	NH	Yes	TN	Yes
CA	Yes	KS	No	NJ	Yes	UT	Yes
CO	Yes	KY	Yes	NM	Yes	VT	Yes
CT	Yes	LA	Yes	NV	No	WA	Yes
DC	Yes	MD	Yes	NY	Yes	WI	Yes
DE	No	MO	No	OH	Yes	WY	No
FL	Yes	MS	No	OK	No		
GA	Yes	MT	Yes	PA	Yes		

72.1. By which of the following is the state building code required to be administered? (Please check all that apply.)

State	All local jurisdictions	Only unincorporated parts of counties	Only in incorporated towns, cities, villages, and townships	The state issues permits for certain occupancies only	Other
AK	X			X	Commercial Construction 4-plexes and greater and deferred jurisdiction
AR	X				
CO					only for State facilities
CT	X				
DC	X				
FL	X				Other state agencies also have permitting authority specific to licensing certain facilities such as hospitals.
GA	X				
ID					local jurisdictions can choose whether to adopt the code
IN				X	
LA	X				
MD	X				
MT				X	Statewide building permit for commercial structures
NC	X				
ND					state building code is optional for all communities
NE					Adoption not required
NH			X		
NJ	X				
NM			X	X	
NY	X				New York City is exempt from state building code, but has its own.

State	All local jurisdictions	Only unincorporated parts of counties	Only in incorporated towns, cities, villages, and townships	The state issues permits for certain occupancies only	Other
OH				X	
PA	X				
PR	X				
RI	X				
SC	X				
TN					Locals can opt out
UT	X				
VT					only applied to public buildings
WA	X				
WI	X				

72.2. By which of the following is the state building code required to be enforced? (Please check all that apply.)

State	All local jurisdictions	Only unincorporated parts of counties	Only in incorporated towns, cities, villages, and townships	The state issues permits for certain occupancies only	Other
AR	X				
CT	X				
DC	X				
FL	X				Please see 72.1 "other"
GA	X				
ID					In local jurisdictions that have adopted the code, the enforcement is done by the locals. In jurisdictions without codes, the home owner is required to meet the minimum standards. The state only inspects for electrical.
IN				X	
LA	X				
MD	X				
MT				X	only those communities that have a building dept.
NC	X				
ND					optional for all communities
NE					Those adopting codes
NH			X		
NJ	X				
NM			X	X	
NY	X				
OH	X				
PA	X				
PR	X				
RI	X				

State	All local jurisdictions	Only unincorporated parts of counties	Only in incorporated towns, cities, villages, and townships	The state issues permits for certain occupancies only	Other
SC	X				
TN					Locals can opt out
UT	X				
VT					public buildings
WA	X				
WI	X				

72.4. If the state agency or department responsible for building codes issues interpretations, does it consult with your office before issuing an interpretation of the flood provisions in the codes?

State	Yes, the state floodplain mgt. office is consulted	No, the state floodplain mgt. office is not consulted	Does not issue interpretations	Not sure
AR		X		
CA		X		
CO		X		
CT		X		
DC	X			
FL	X			
GA		X		
HI		X		
ID		X		
IN	X			
KY		X		
LA				X
MD		X		
MT			X	
NC	X			
ND	X			
NE				X
NH				X
NJ		X		
NM		X		
NY	X			
OH	X			
PA		X		
PR			X	
RI	X			
SC	X			
TN			X	
UT				X
VT			X	
WA	X			
WI	X			

72.5. Please indicate the basis of your state building code(s).

State	International Building Code Series (I-Codes)	NFPA 5000 (National Fire Protection Association)
AR	X	
CA	X	
CO	X	
CT	X	
DC	X	
FL	X	
GA	X	
HI	X	
ID	X	
IN	X	
KY	X	
LA	X	
MD	X	
MT	X	
NC	X	
ND	X	
NE	X	
NH	X	
NJ	X	
NM	X	
NY	X	
OH	X	
PA	X	
PR	X	
RI	X	
SC	X	
TN	X	
UT		X
VT	X	
WA	X	
WI	X	

72.6. If your state has floodplain management requirements in a separate statute or regulation, is the state building code consistent with those requirements?

State	Response	State	Response	State	Response	State	Response
AR	Yes	ID	Yes	NE	Yes	RI	Yes
CA	No	IN	Yes	NH	Yes	SC	Yes
CO	Yes	KY	Yes	NJ	No	TN	No
CT	Yes	LA	No	NM	Yes	UT	Yes
DC	Yes	MD	Yes	NY	Yes	VT	No
FL	No	MT	Yes	OH	Yes	WA	Yes
GA	Yes	NC	Yes	PA	No	WI	Yes
HI	No	ND	Yes	PR	Yes		

72.8. How frequently are your state building codes updated?

State	Every 3 years	When the legislature requires the update	When the Building Commission/Council determines it appropriate	Unknown
AR				X
CA	X			
CO				X
CT				X
DC	X			
FL	X			
GA				X
HI				X
ID				X
IN				X
KY				X
LA				X
MD				X
MT			X	
NC	X			
ND				X
NE				X
NH				X
NJ	X			
NM				X
NY	X			
OH				X
PA			X	
PR				X
RI	X			
SC	X			
TN				X
UT				X
VT				X
WA	X			
WI				X

73. If your state does not require local jurisdictions to administer a building code, are communities allowed to adopt a building code of their choice?
74. Does your state require permits for levee construction?
75. In your state, if a proposed levee would raise flood heights on other properties or communities, would your state allow it to go forward in the permitting process?
76. Who at the state level is responsible for the review of the engineering adequacy of the levee?

State	73. Communities building code of their choice?	74. State Require permits for levee construction?	75. Levee would raise flood heights … state allow?	76. Who at the state level is responsible for the review?
AL	Yes	No	No	
AR	Yes	No	No	would be a local permit problem
AZ	Yes	No	No	No agency is responsible
CA	Yes	Yes	Yes	
CO	Yes	No	No	Permits for levee construction is left up to local jurisdiction. If we become aware of a levee being built out of compliance, we would make FEMA aware of the potential violation.
CT	No	Yes	No	Dept. of Environmental Protection, Dam Safety Program
DC	No, they are prohibited from adopting any building code	No	No	The District Department of the Environment
DE	Yes	No	No	
FL		Yes		Florida has statutes and rule for the regulation of dams, impoundments, reservoirs and other works as they relate to the management and storage of surface waters, as well as pollution control. But there are no separate statues or rules specific to levees. The responses in this section relate to the regulation of stormwater management systems, dam, impoundment, reservoir, appurtenant work, or works. With regard to the engineering adequacy of the levee, both the Dept. of Environmental Protection and the 5 state Water Management Districts are responsible.
GA	No	No	No	Not assigned.
HI	Yes	No	No	Answer to 75 refers to local community approval. There is not a formal review process at the State level.
ID	No	No	Yes	There is no agency that oversees levees. No agency reviews engineering. Review would come from the state Stream Channel Alteration program, the Army Corps of Engineers and the local jurisdiction. The local jurisdiction would require a no-rise or CLOMR, IF the local jurisdiction is in the NFIP.
IL	Yes	Yes	No	No review of levee adequacy. State only reviews the impact that levee has on conveyance/storage.
IN	No	Yes	No	If in the floodway DNR Water will do the review as part of permit process
KS	Yes	Yes	Yes	Chief Engineer, Kansas Dept. of Agriculture
KY	No	Yes	Yes	
LA	No	Yes	Yes	LA DOTD Office of Coastal Protection & Restoration US Army Corps of Engineers
MD	No	Yes	No	Dam Safety Division
MO	Yes	No	Yes	
MS	Yes	No		
MT	Yes	No	No	If asked, the DNRC Regional Engineers would review the levee proposal for the community.
NC	No, they are prohibited from adopting any building code	No	No	NA
ND		Yes	Yes	The Office of the State Engineer. Dikes, Levees and so forth range from minor to major - some are minor and routine, some are political with funding, conditions of construction and the like.

State	73. Communities building code of their choice?	74. State Require permits for levee construction?	75. Levee would raise flood heights … state allow?	76. Who at the state level is responsible for the review?
NE	No	No	Yes	Permits are issued at the local level. Technical assistance can be requested.
NH	Yes	Yes	No	
NJ	No	No	No	NJ does not have a actual levee program. The NJDEP Land Use Regulation Program will review application and issue a permit but this is for the floodplain management and environmental aspects. No one is reviewing the structural aspect.
NM	No	Yes	No	Office State Engineer
NV	Yes			
NY	No, they are prohibited from adopting any building code	No	No	The Department of Environmental Conservation has planning authority over federal flood control projects. Other flood control projects only have to meet local floodplain requirements.
OH	Yes	Yes	Yes	ODNR, Div of Soil & Water Resources, Dam Safety Program
OK	Yes	No	No	NFIP State Coordinating office would review and support local community with enforcement procedures.
PA	No	Yes	Yes	DEP - Waterways Mgmt.
PR	No	Yes	No	The Department of Natural and Environmental Resources, DNER, the state agency that is the co-sponsor of the flood control projects sponsored by the US Corp of Engineers. Some other state agencies provide comments during the feasibility phase of the project.
RI	No, they are prohibited from adopting any building code	No	No	The State Building Commission.
SC	No	Yes	Yes	State Dam Safety Officer
TN	No	No	Yes	Such authority not yet established.
UT	No	No	No	US Army Corp of Engineers
VT	Yes	No	No	It is difficult to answer some of questions 74 - 80 as a simple yes/no since the answer is "maybe." We do not have explicit regulations dealing with levees. It is possible that a levee of a certain size might be captured under a State Act 250 permit requirement - in which case our office would recommend denying the permit since we do not advocate for structural flood control.
WA	No	No	No	
WI	No	Yes	No	DNR engineering staff
WY	Yes	Yes	No	State Engineers Office.

77. Is there an approval letter issued for the review of the engineering adequacy of the levee?
78. Is there a further review of the approving engineering analysis before the final levee approval is granted?

State	77. Approval Letter?	78. Further Review?
AL	No	No
AR	No	No
AZ	No	No
CA	Yes	

State	77. Approval Letter?	78. Further Review?
CO	No	No
CT	Yes	No
DC	No	No
DE	No	No
GA	No	No
HI	No	No
ID	No	No
IL	No	No
IN	Yes	No
KS	Yes	No
KY	No	No
LA	No	No
MD	Yes	No
MO	No	No
MS	No	No
MT	No	No
NC	No	No
ND	No	No
NE	No	No
NH	Yes	No
NJ	No	No
NM	Yes	Yes
NY	No	No
OH	Yes	No
OK	No	No
PA	Yes	No
PR	No	No
RI	Yes	No
SC	Yes	No
TN	No	No
UT	No	No
VT	No	No
WA	No	No
WI	Yes	No
WY	Yes	No

79. Is there a state freeboard standard for levees?
79.1. What is the amount of the state freeboard standard for levees?

State	79. Standard	79.1. What is the amount of the state freeboard standard for levees?				
		1’	2’	3 ‘	> 3’	Other freeboard standards, such as tied to return frequency for example that of a 500-year event
AL	No					
AR	No					
AZ	No					
CA	No					

State	79. Standard	79.1. What is the amount of the state freeboard standard for levees?				
		1’	2’	3 ‘	> 3’	Other freeboard standards, such as tied to return frequency for example that of a 500-year event
CO	No					
CT	Yes					X
DC	No					
DE	No					
GA	No					
HI	No					
ID	No					
IL	No					
IN	No					
KS	Yes					X
KY	No					
LA	No					
MD	Yes			X		
MO	No					
MS	No					
MT	Yes			X		
NC	No					
ND	No					
NE	No					
NH	No					
NJ	No					
NM	No					
NY	No					
OH	Yes			X		
OK	No					
PA	No					
PR	Yes			X		
RI	No					
SC	No					
TN	No					
UT	No					
VT	No					
WA	No					
WI	Yes			X		
WY	Yes			X		

80. Does your state restrict development in levee "protected" areas?
80.1. What type of development is restricted in levee "protected" areas?

State	80. Restrict?	80.1. What type of development is restricted in levee "protected" areas?		
		Residential Activity	Industrial Activity	Commercial Development
AL	No			
AR	No			
AZ	No			
CA	Yes	X		
CO	No			
CT	No			
DC	No			
DE	No			
GA	No			
HI	No			
ID	No			
IL	No			
IN	No			
KS	No			
KY	No			
LA	No			
MD	No			
MO	No			
MS	No			
MT	No			
NC	No			
ND	No			
NE	No			
NH	No			
NJ	No			
NM	No			
NY	No			
OH	No			
OK	No			
PA	No			
PR	No			
RI	No			
SC	No			
TN	No			
UT	No			
VT	No			
WA	No			
WI	No			
WY	No			

81. Are there any floodplain management regulations or other requirements in levee "protected" areas?
81.1. Please describe any floodplain management regulations or other requirements in levee "protected" areas.

State	81. Requirements in levee "protected" areas?	81.1. Description
AL	No	
AR	No	
AZ	No	
CA	Yes	Within the Central Valley, 200-yr level flood protection is required for development in urbanized areas (10k residents or greater) by the year 2025.
CO	No	
CT	No	
DC	No	
DE	No	
GA	No	
HI	No	
ID	No	
IL	No	
IN	No	
KS	No	
KY	No	
LA	No	
MD	No	
MO	No	
MS	No	
MT	No	
NC	No	
ND	No	
NE	No	
NH	No	
NJ	No	
NM	No	
NY	No	
OH	No	
OK	No	
PA	No	
PR	Yes	Storm water management
RI	No	
SC	No	
TN	No	
UT	No	
VT	No	
WA	No	
WI	Yes	EAP required; notification of protection limits; inspection standards; no obstruction to flood flows
WY	No	

82. Does your state have a stakeholders group that crosses agency jurisdictions that meets to discuss and review dam-related issues?
83. Does your state regulate the occupation of the area that would be inundated in the event of a dam failure?
83.1. How does your state regulate the occupation of the dam safety inundation area?

State	82.	83.	83.1. How does your state regulate the occupation of the dam safety inundation area?				
			Floodplain Zoning Requirement	Occupation Prohibited	Elevation Required	Warning Plans Required	Other
AL	No	No					
AR	No	No					
AZ	No	No					
CA	Yes	No					
CO	Yes	No					
CT	No	No					
DC	No	No					
DE	Yes	Yes	X				
GA	No	No					
HI	No	No					
ID	No	No					
IL	No	No					
IN	Yes	No					
KS	Yes	No					
KY	Yes	Yes	X				
LA	No	No					
MD	No	No					
MO	No	No					
MS	Yes	No					
MT	Yes	No					
NC	Yes	No					
ND		No					
NE	No	No					
NH	No	No					
NJ	No	No					
NM	Yes	Yes				X	
NY	No	No					
OH	Yes	No					
OK	Yes	No					
PA	Yes	No					
PR	Yes	No					
RI	Yes	No					
SC	No	No					
TN	No	No					
UT	Yes	No					
VT	Yes	No					

State	82.	83.	83.1. How does your state regulate the occupation of the dam safety inundation area?				
			Floodplain Zoning Requirement	Occupation Prohibited	Elevation Required	Warning Plans Required	Other
WA	Yes	No					
WI	No	Yes	X	X			
WY	Yes	No					

84. Do your communities regulate the occupation of the dam safety inundation area?
84.1. How does your state regulate the occupation of the dam safety inundation area?

State	84.	84.1. How does your state regulate the occupation of the dam safety inundation area?			
		Occupation Prohibited	Elevation Required	Warning Plans Required	Other
AL	No				
AR	No				
AZ	No				
CA	No				
CO	No				
CT	No				
DC	No				
DE	No				
GA	Yes			X	
HI	No				
ID	No				
IL	No				
IN	No				
KS	Yes				Local requirements only. Not state. Restricts development options to development that will not be impacted by flooding.
KY	No				
LA	Yes				Elevation required by local jurisdiction
MD	No				
MO	No				
MS	No				
MT	No				
NC	No				
ND	No				
NE	No				
NH	No				
NJ	No				
NM	No				
NY	No				
OH	No				
OK	No				
PA	No				

State	84.	84.1. How does your state regulate the occupation of the dam safety inundation area?			
		Occupation Prohibited	Elevation Required	Warning Plans Required	Other
PR	No				
RI	No				
SC	No				
TN	No				
UT	Yes		X		
VT	No				
WA	No				
WI	Yes	X			
WY	Yes			X	

PRINCIPLE 6:
Flood mitigation and recovery strategies should be in place throughout the state.

85. Do you have a statewide standard for reconstruction of flood-prone buildings that have been substantially damaged?

State	85. Do you have a statewide standard for reconstruction of flood-prone buildings that have been substantially damaged?	85.1. What is the damage threshold for reconstruction of flood-prone buildings that are substantially damaged?
AL	No	
AR	No	
AZ	No	
CA	No	
CO	No	
CT	No	
DC	Yes	50
DE	No	
FL	Yes	50
GA	No	
HI	No	
ID	No	
IL	No	
IN	Yes	50
KS	No	
KY	Yes	50
LA	No	
MD	Yes	50
MO	No	
MT	No	
NC	No	
ND	No	
NE	Yes	50
NH	No	
NJ	No	
NM	No	
NV	No	
NY	Yes	50
OH	Yes	50
OK	No	
PA	No	
PR	Yes	50
RI	Yes	50
SC	No	
TN	No	

State	85. Do you have a statewide standard for reconstruction of flood-prone buildings that have been substantially damaged?	85.1. What is the damage threshold for reconstruction of flood-prone buildings that are substantially damaged?
UT	No	
VT	No	
WA	No	
WI	Yes	50
WY	No	

85.3. How is your state's substantial damage standard applied?

State	Each damage event is independent of others	Cumulative over a specific time period	Cumulative over a specific number of damaging events
DC	X		
FL	X		
IN	X		
KY		X	
MD		X	
NE	X		
NY	X		
OH	X		
PR			X
RI		X	
WI		X	

85.4. How is the damage measured for substantially damaged buildings?

State	Market Value	Pre-flood Value	Replacement Cost	Assessed Value	Other
DC	X				
FL		X			
IN		X			
KY	X				
MD	X	X	X	X	
NE	X				
NY	X				
OH	X	X		X	
PR	X				
RI	X				
WI				X	

86. In light of the requirements that communities have all-hazard mitigation plans in place in order to be eligible for future federal mitigation funds (and other funds), has your state integrated floodplain management components to facilitate local mitigation planning?
86.1. What approaches have you used to facilitate local mitigation planning?

State	86. Integrated FPM to Facilitate Local Mitigation	Agency Cooperation	Risk Assessments using HAZUS	State-developed Computer Software to Assess Hazards and Vulnerability	State Multi-Hazard Mitigation Plan	Work with Regional Planning Agencies to Help Communities Develop and Adopt Plans	Community Outreach and Technical Assistance	State Agencies Providing input into the State/Local Plans	State Requires Local Mitigation Plans	State Conducted Training Classes	Mitigation is part of State Model Plan	Other
AL	Yes	X	X			X	X	X	X	X	X	
AR	No											
AZ	Yes	X						X				
CA	Yes											
CO	Yes	X			X	X	X	X		X		
CT	No											
DC	Yes	X			X			X	X	X		
DE	Yes				X			X	X			
FL	Yes	X	X		X	X	X	X		X	X	
GA	Yes	X				X	X		X		X	
HI	Yes											
ID	Yes	X			X				X			
IL	Yes	X	X		X		X	X				
IN	Yes	X		X	X		X	X	X	X		
KS	Yes	X	X		X			X			X	*
KY	Yes	X	X	X	X	X	X	X				
LA	Yes		X		X	X		X	X	X	X	
MD	Yes	X			X			X				
MO	Yes				X	X	X	X	X			
MS	Yes	X	X		X	X	X	X	X	X		
MT	Yes	X	X		X	X	X	X	X	X	X	*
NC	No											
ND	Yes				X							
NE	Yes	X			X	X	X	X				

State	86. Integrated FPM to Facilitate Local Mitigation	Agency Cooperation	Risk Assessments using HAZUS	State-developed Computer Software to Assess Hazards and Vulnerability	State Multi-Hazard Mitigation Plan	Work with Regional Planning Agencies to Help Communities Develop and Adopt Plans	Community Outreach and Technical Assistance	State Agencies Providing input into the State/Local Plans	State Requires Local Mitigation Plans	State Conducted Training Classes	Mitigation is part of State Model Plan	Other
NH	Yes				X	X						
NJ	No											
NM	Yes	X	X		X	X	X	X	X	X	X	
NY	Yes	X	X		X		X				X	
OH	Yes	X	X		X	X	X	X	X	X	X	
OK	Yes				X	X	X	X	X	X		
PA	Yes	X	X		X		X					
PR	No											
RI	Yes	X	X		X	X	X			X	X	
SC	Yes	X	X		X	X	X	X		X	X	
TN	Yes	X			X		X	X	X	X	X	
UT	Yes	X	X		X		X	X	X	X	X	
VT	Yes	X	X		X	X	X	X		X	X	
WA	Yes	X	X		X	X	X	X	X	X	X	
WI	No											
WY	Yes	X	X		X		X			X		

State	*Other Response
KS	Using set aside dollars from a presidential disaster, 103 of 105 counties were provided grant dollars to develop a multi-jurisdiction plan.
MT	monitor life span of plans for community updates

86.2. Has your state updated its flood mitigation planning provisions since 2003?
86.3. Has your state shifted its approach from its original flood mitigation planning efforts in 2003? Please explain how and/or why your state shifted its approach from its original flood mitigation planning efforts since 2003.

State	86.2. Updated since 2003?	86.3. Shifted Approach?	Please explain how and/or why your state shifted its approach from its original flood mitigation planning efforts since 2003.
AL	Yes	No	
AZ	Yes	Yes	
CA	No	Yes	
CO	Yes	Yes	
DC	Yes	No	
DE	Yes	No	
FL	Yes	Yes	Very pro-active approach to targeted repetitive loss structures; individual local floodplain management plans no longer encouraged, rather full integration of local floodplain management into Local Mitigation Strategies is planning approach
GA	Yes	Yes	To undertake a more comprehensive approach and expand local involvement.
HI	Yes	Yes	The State Flood Mitigation Plans are developed by the State of Hawaii Civil Defense Agency. Please direct questions to SHMO (Dawn Johnson).
ID	Yes	Yes	FEMA region is requiring more integration of floodplain management into hazard mitigation plans. The State Hazard Mitigation Officer has earned the CFM credential.
IL	Yes	No	
IN	No	No	
KS	Yes	Yes	It has been incorporated into the states multi-hazard mitigation plan where all hazards have been ranked and prioritized.
KY	Yes	Yes	
LA	Yes	No	
MD	Yes	No	
MO	Yes	No	
MS	Yes	No	
MT	Yes	Yes	Went to an all hazard document - the floodplain section has been simply modified for the new document.
ND	Yes	No	
NE	No	No	We have a FMA planning grant pending to update our State Flood Mitigation Plan.
NH	Yes	No	
NM	Yes	No	
NY	No	Yes	More emphasis in on buyouts and elevations.
OH	Yes	No	
OK	Yes	Yes	Oklahoma Emergency Management Agency coordinates this planning measure.
PA	Yes	No	
RI	Yes	No	
SC	Yes	Yes	integrated hazard approach
TN	Yes	No	
UT	Yes	Yes	Better cooperation between agencies via the State Hazard Mitigation Team.

State	86.2. Updated since 2003?	86.3. Shifted Approach?	Please explain how and/or why your state shifted its approach from its original flood mitigation planning efforts since 2003.
VT	Yes	No	However, more emphasis has been placed on avoidance, prevention and pre-disaster mitigation strategies. In addition, there has been increased effort to designate fluvial erosion hazard (FEH) zones and encourage communities to avoid development in flood-prone areas. Also, there has been increased collaboration/cooperation among state, regional and local mitigation partners in implementing pro-active pre-disaster mitigation strategies.
WA	Yes	Yes	Increased focus on maintaining and restoring natural functions of floodplains.
WY	Yes	No	

87. Does your state have a hazard mitigation council or similar coordinating body?

State	Response	State	Response	State	Response	State	Response
AL	No	ID	Yes	ND	No	RI	Yes
AR	No	IL	Yes	NE	No	SC	Yes
AZ	No	IN	Yes	NH	Yes	TN	Yes
CA	Yes	KS	Yes	NJ	Yes	UT	Yes
CO	No	KY	Yes	NM	Yes	VT	Yes
CT	No	LA	Yes	NV	Yes	WA	Yes
DC	No	MD	Yes	NY	No	WI	Yes
DE	Yes	MO	Yes	OH	Yes	WY	Yes
FL	Yes	MS	Yes	OK	Yes		
GA	Yes	MT	No	PA	No		
HI	Yes	NC	Yes	PR	Yes		

89. What coordination is there between the NFIP State Coordinator and the State Hazard Mitigation Officer in the context of mitigation planning?

State	Regular, Formally Established Coordination/Involvement	Regular but not Formally Established Coordination/Involvement	Coordination/Involvement only on an As-Needed Basis	Minimal or no Coordination	Other
AL			X		
AR			X		
AZ			X		
CA	X				
CO	X				
CT		X			
DC	X				
DE	X				
FL	X				
GA			X		
HI			X		
ID		X			
IL	X				
IN		X			

State	Regular, Formally Established Coordination/Involvement	Regular but not Formally Established Coordination/Involvement	Coordination/Involvement only on an As-Needed Basis	Minimal or no Coordination	Other
KS	X				
KY		X			
LA			X		
MD			X		
MO		X			
MS			X		
MT		X			
NC		X			
ND			X		
NE		X			
NH		X			
NJ			X		
NM	X				
NV	X				
NY			X		
OH		X			
OK		X			
PA			X		
PR			X		
RI		X			
SC		X			
TN		X			
UT	X				
VT		X			
WA	X				
WI	X				
WY	X				

90. Does your state have funds reserved to carry out flood mitigation projects?

State	Response	State	Response	State	Response	State	Response
AL	No	ID	No	ND	No	RI	No
AR	No	IL	Yes	NE	No	SC	No
AZ	No	IN	No	NH	No	TN	No
CA	Yes	KS	No	NJ	No	UT	No
CO	Yes	KY	No	NM	Yes	VT	No
CT	No	LA	No	NV	No	WA	Yes
DC	No	MD	Yes	NY	No	WI	Yes
DE	No	MO	No	OH	No	WY	Yes
FL	No	MS	No	OK	No		
GA	No	MT	No	PA	Yes		
HI	No	NC	No	PR	Yes		

91. How involved is your state floodplain management office in reviewing/evaluating mitigation applications?

State	Regular, Formally Established Coordination/Involvement	Regular but not Formally Established Coordination/Involvement	Coordination/Involvement only on an As-Needed Basis	Minimal or No Coordination
AL				X
AR		X		
AZ		X		
CA				X
CO	X			
CT	X			
DC	X			
DE	X			
FL			X	
GA				X
HI				X
ID	X			
IL	X			
IN			X	
KS		X		
KY	X			
LA			X	
MD		X		
MO		X		
MS			X	
MT			X	
NC		X		
ND			X	
NE		X		
NH	X			
NJ			X	
NM			X	
NV	X			
NY			X	
OH		X		
OK		X		
PA			X	
PR			X	
RI	X			
SC			X	
TN	X			
UT	X			

State	Regular, Formally Established Coordination/Involvement	Regular but not Formally Established Coordination/Involvement	Coordination/Involvement only on an As-Needed Basis	Minimal or No Coordination
VT	X			
WA	X			
WI	X			
WY	X			

92. Within your state, who carries out mitigation planning at the local level?

State	The State	The Community	Private Consultants	Other
AL		X		
AR		X	X	
AZ		X		
CO	X	X	X	
CT		X		
DC	X			
FL		X		
GA		X	X	
ID		X		
IL	X	X		
IN		X		
KS		X		
KY	X	X		
LA		X		
MD	X	X		
MO	X	X		
MS			X	
MT		X		
NC		X		
ND	X	X	X	
NE	X	X	X	
NH		X		
NJ		X		
NM		X		
NV		X	X	
NY		X	X	
OH		X		
OK			X	
PA		X		
PR	X	X		
RI		X	X	
SC		X	X	
TN		X		
UT		X		
VT				Regional Planning Commissions

State	The State	The Community	Private Consultants	Other
WA		X		
WI		X	X	
WY		X	X	

93. Within your state, who carries out mitigation planning at the state level?

State	The State	Private Consultants	Other
AL	X		
AR	X		
CO	X	X	
CT	X		
DC	X		
FL	X		
GA	X		
ID	X		
IL	X		
IN	X		
KS	X	X	
KY	X	X	
LA	X		
MD	X		
MO	X		
MS		X	
MT	X		
NC	X		
ND	X	X	
NE	X		
NH	X		
NJ	X		
NM	X		
NV	X	X	
NY	X		
OH	X		
OK	X		
PA	X	X	
PR	X		
RI	X	X	
SC	X	X	
TN	X		
UT	X		
VT	X		
WA	X		
WI	X		
WY	X	X	

94. Since 2003 has your state, or localities within your state, adopted any No Adverse Impact (NAI) management laws, programs, or activities (e.g. zero rise floodway)?
94.1. Please list any known NAI laws, programs or activities.

State	94. NAI management laws, programs, or activities (e.g. zero rise floodway)	94.1. Please list any known NAI laws, programs or activities
AL	No	
AR	No	
AZ	No	
CA	Yes	
CO	No	
CT	Yes	
DC	No	
DE	No	
FL	No	
GA	No	
HI	No	
ID	Yes	Several communities have a zero rise floodway; some prohibit fill and building in the A or AE mapped area. This is a handful of communities. There is increasing interest in NAI.
IL	No	
IN	Yes	compensatory storage requirements, freeboard - 2 feet above bfe
KS	No	
KY	No	
LA	No	
MD	No	
MO	No	
MT	Yes	No new residential structures in floodway, elevate/floodproof two feet above BFE, .5 foot rise for floodway.
NC	Yes	The City of Brevard adopted NAI provisions, but later modified the standards due to local pressure.
ND	No	
NE	No	
NH	No	
NJ	No	
NM	No	
NV	No	
NY	No	
OH	No	
OK	No	
PA	No	
PR	No	
RI	No	
SC	No	
TN	No	
UT	No	
VT	Yes	We have a number of model flood hazard bylaws available to municipalities that embody the NAI approach. A number of the bylaws outright prohibit new structures and fill in the base flood plain and the fluvial erosion hazard area. A number of communities have adopted our restrictive model bylaws.

State	94. NAI management laws, programs, or activities (e.g. zero rise floodway)	94.1. Please list any known NAI laws, programs or activities
WA	Yes	Floodway residential prohibition - State (RCW 86.16) Zero rise - King Co. Floodway development prohibition - Thurston Co. & others Deep & fast flowing area development prohibition - Pierce Co. Compensatory storage - City of Centralia & others Freeboard above mapped BFEs - City of Chehalis & others require 1 ft. above flood of record
WI	No	
WY	No	

95. Does your agency administer the Unified Flood Mitigation Assistance Program?
95.1. Does your agency have any input into UFMA decisions?

State	95. Does your agency administer the Unified Flood Mitigation Assistance Program?	95.1. Does your agency have any input into UFMA decisions?
AL	No	Yes
AR	No	Yes
AZ	No	Yes
CA	Yes	
CO	No	Yes
CT	No	No
DC	No	Yes
DE	Yes	
FL	Yes	
GA	No	No
HI	No	No
ID	No	No
IL	No	No
IN	Yes	
KS	No	Yes
KY	No	No
LA	No	No
MD	No	Yes
MO	Yes	
MS	No	Yes
MT	Yes	
NC	Yes	
ND	No	No
NE	Yes	
NH	No	Yes
NJ	No	No
NM	Yes	
NV	Yes	
NY	No	No
OH	No	Yes

State	95. Does your agency administer the Unified Flood Mitigation Assistance Program?	95.1. Does your agency have any input into UFMA decisions?
OK	Yes	
PA	No	No
PR	No	No
RI	Yes	
SC	Yes	
TN	Yes	
UT	Yes	
VT	No	Yes
WA	No	Yes
WI	No	Yes
WY	Yes	

96. What kind of tracking does your state conduct to capture evidence of the success of its mitigation efforts?

State	Before and After Photographs	Photographs of Elevated Buildings Safe Above Flood Level	Number of (and case studies of) Homeowners who Benefits from Flood Insurance, Compared to Number Uninsured	Number of and Stories about Property Owners who took Mitigation Measures and Suffered Less Damage	Estimates of how much Damage and Disruption was Avoided because of the Mitigation Techniques Applied to Public Facilities and Infrastructure	Other
AR	X	X	X	X	X	
CT					X	
DC	X				X	
FL	X	X		X	X	
GA	X					
IL	X		X	X	X	
IN	X	X		X		
KS	X					
MD	X	X				
MO	X	X		X	X	
MS		X				
NC	X	X			X	
ND						Nothing as formal as the choices provided above. Whatever FEMA HMA mandates is what is done.
NE	X			X	X	
NV	X					
NY					X	
OH	X	X	X	X	X	
PA	X	X				

State	Before and After Photographs	Photographs of Elevated Buildings Safe Above Flood Level	Number of (and case studies of) Homeowners who Benefits from Flood Insurance, Compared to Number Uninsured	Number of and Stories about Property Owners who took Mitigation Measures and Suffered Less Damage	Estimates of how much Damage and Disruption was Avoided because of the Mitigation Techniques Applied to Public Facilities and Infrastructure	Other
PR	X	X				
SC	X	X	X	X	X	
TN					X	
UT	X	X	X		X	
WA	X	X	X	X	X	
WI	X	X		X	X	
WY	X				X	

97. Does your state have a program to plan for adaptation to climate change?
97.1. What efforts does that program include, with regard to flood-prone areas?

State	97. Program?	97.1. What efforts does that program include, with regard to flood-prone areas?							
		Revisions to Coastal Mapping	Revisions to Floodplain Mapping	Assessment of Infrastructure at Risk from rising Sea Level or More Intense Storms	Assessment of Private Property at Risk from Rising Sea Level or More Intense Storms	Assessment of Critical Facilities	Assessment of Threats to Life	Changes to State Programs/Policies to Account for Increased Flood Risk	Other
AL	No								
AR	No								
AZ	No								
CA	Yes								
CO	Yes								
CT	Yes			X	X	X	X	X	
DC	No								
DE	Yes			X	X	X			
FL	No								
GA	No								
HI	No								
ID	No								
IL	No								
IN	No								
KS	Yes								
KY	No								
LA	No								

State	97. Program?	97.1. What efforts does that program include, with regard to flood-prone areas?							
		Revisions to Coastal Mapping	Revisions to Floodplain Mapping	Assessment of Infrastructure at Risk from rising Sea Level or More Intense Storms	Assessment of Private Property at Risk from Rising Sea Level or More Intense Storms	Assessment of Critical Facilities	Assessment of Threats to Life	Changes to State Programs/Policies to Account for Increased Flood Risk	Other
MD	Yes			X	X				Evaluation and planning for changes
MO	No								
MS	No								
MT	No								
NC	Yes	X	X	X	X	X	X		
ND	No								
NE	No								
NH	No								
NJ	No								
NM	No								
NV	No								
NY	Yes			X	X	X			This is in the early stages and map revisions are being discussed.
OH	No								
OK	No								
PA	No								
PR	No								
RI	Yes			X	X		X	X	
SC	No								
TN	No								
UT	No								
VT	Yes								see 97.2 response
WA	Yes			X	X	X	X		
WI	Yes			X	X	X		X	
WY	No								

98. What activities or programs does your state conduct to mitigate properties that are subject to repetitive flood losses?

State	Technical Assistance to Localities	Funding	Acquisition Program	Retrofitting Program	Other
AL	X		X		
AR	X	X	X	X	
CT			X	X	
DC			X		
DE	X				
FL	X			X	
GA	X				
ID			X		
IL	X	X	X		
IN	X	X	X	X	
KS	X		X		
LA	X				
MD	X	X	X	X	
MO	X		X		
MS	X		X		
MT	X	X	X		
NC	X	X			
ND					Trying to figure out what RL properties are current. The sliding X0 year scale makes things interesting and confusing.
NE	X				
NH	X				
NJ					Blue Acres Funding
NV	X				
NY					Promoted under FEMA mitigation programs
OH	X		X	X	
OK	X				
PA	X	X	X	X	
PR			X		
RI	X	X		X	
SC	X			X	
TN	X				
UT	X				
VT	X				
WA	X	X	X	X	
WI	X	X	X	X	
WY	X				

99. What authority exists in your state for declaring moratoria on repair/redevelopment after a disaster?

State	State has Authority	Localities have Authority	State has used Authority to Declare Moratoria	Localities have used Authority to Declare Moratoria
AL		X		
AR				X
CT	X			
DC	X			
FL		X		X
GA		X		
ID		X		
IL		X		
IN		X		X
KS		X		X
LA		X		X
MD		X		
MO		X		
MS		X		
MT		X		X
NC		X		X
NE		X		
NH		X		
NJ	X			
NM	X			
NY		X		
OH				X
OK	X	X		
PA		X		
PR			X	
RI	X		X	
SC		X		
TN		X		
UT		X		
VT		X		
WA		X		
WY		X		

100. What post-flood mobilization activities are undertaken in your state on behalf of floodplain management?

State	Substantial Damage Deter-minations	Damage Assessments	Increased Cost of Compliance Advice	Permit Reviews And Variance Reviews	Public Awareness And Information Initiatives	Cooperative Agreements with other States and/or in-state Associations	Flood Audits and Flood-proofing Advice	State FPM Association Organizes Teams	Setting High Water Marks	Other
AL	X	X	X	X	X		X		X	
AR		X								
AZ					X					
CT		X			X					

State	Substantial Damage Deter-minations	Damage Assessments	Increased Cost of Compliance Advice	Permit Reviews And Variance Reviews	Public Awareness And Information Initiatives	Cooperative Agreements with other States and/or in-state Associations	Flood Audits and Flood-proofing Advice	State FPM Association Organizes Teams	Setting High Water Marks	Other
DC	X	X								
FL	X	X	X		X	X			X	
GA			X		X			X		
IL	X	X	X	X	X		X		X	
IN	X	X	X	X	X		X		X	
KS	X		X	X	X					
LA		X	X		X					
MD	X	X	X	X	X					
MO		X	X		X					
MS	X	X	X	X	X	X		X		
MT			X	X	X	X		X	X	
NC	X	X	X	X	X	X	X	X	X	
ND										Not getting in the way of letting the FEMA disaster dollars flow.
NE	X	X		X	X				X	
NH			X		X					
NJ		X								
NM	X	X	X	X	X	X				
NY		X	X	X						
OH	X	X	X	X	X	X			X	
OK	X	X	X		X	X		X	X	
PA		X	X		X					
PR		X			X					
RI	X	X	X	X	X		X			
SC	X	X	X	X	X	X	X		X	
TN					X					
UT		X				X	X	X		
VT				X	X				X	
WA	X	X	X	X	X		X		X	
WI	X	X	X	X	X		X		X	
WY		X			X					

PRINCIPLE 7:
The state's people need to be informed about flood hazards and mitigation options.

102. Does your state provide authority for local flood hazard identification?
104. Does your state provide authority for flood mitigation options?
105. Does your state floodplain management agency or program or a state/regional floodplain management association issue a newsletter?
106. Do you contribute floodplain management information to another statewide newsletter or other newsletters?

State	102. Authority for Local Flood Hazard Identification?	104. Authority for Flood Mitigation Options?	105. Own Newsletter?	106. Other Newsletters?	106.1. Explain:
AL	Yes	Yes	No	No	
AR	Yes	No	Yes	No	
AZ	Yes	Yes	Yes	No	
CA	Yes	Yes	Yes	No	
CO	Yes	Yes	Yes	No	
CT	No	No	Yes	No	
DC	Yes	Yes	No	No	
DE	No	Yes	Yes	Yes	The state puts out a Coastal Connection Newsletter to builders, realtors, and homeowners associations.
FL	No	No	Yes	Yes	The state coordinator contributes to the state chapter's newsletter. Additionally, the state coordinator is working with other state agencies, realtor groups, our building official association, associations of counties and cities, etc. to push out floodplain management and flood risk information-- these efforts are being newly established at this time in Florida.
GA	Yes	Yes	Yes	No	
HI	No	No	Yes	Yes	The SCO produces a quarterly newsletter titled WAI HALANA (http://www.hidlnr.org/eng/nfip/WHpage9.aspx)
ID	Yes	Yes	No	Yes	State Hazard Mitigation Office quarterly newsletter.
IL	Yes	Yes	Yes	Yes	Share articles with other states, State Zoning Admin. Assoc., State Land Surveyors Assoc.
IN	Yes	Yes	Yes	Yes	Do articles as appropriate
KS	Yes	Yes	Yes	Yes	KDA-DWR newsletter.
KY	No	No	No	Yes	

State	102. Authority for Local Flood Hazard Identification?	104. Authority for Flood Mitigation Options?	105. Own Newsletter?	106. Other Newsletters?	106.1. Explain:
LA	Yes	Yes	Yes	No	
MD	Yes	Yes	Yes	No	
MO	Yes	Yes	Yes	No	
MS	Yes	No	No	No	
MT	Yes	No	Yes	Yes	Upon request - we have provided articles to the Association of Montana Floodplain Managers and other state agencies.
NC	Yes	Yes	Yes	Yes	Provide articles
ND	Yes	No	No	No	
NE	Yes	Yes	Yes	No	
NH	No	Yes	Yes	No	
NJ	No	No	Yes	No	
NM	No	No	No		
NV			Yes	Yes	State FPM update in Floodplain Management Association newsletter
NY	No	No	Yes	Yes	This is sporadic, but we have been asked to contribute articles to other organization's newsletters from time to time.
OH	No	Yes	Yes	Yes	upon request
OK	Yes	No	Yes	Yes	State Coordinator writes an article in both newsletters.
PA	No	No	No	No	
PR	Yes	Yes	Yes	No	
RI	Yes	Yes	Yes	Yes	
SC	No	No	No	Yes	professional journals, etc
TN	No	No	No	Yes	Through a weekly e-mail department newsletter that is provided throughout the state.
UT	Yes	Yes	Yes	Yes	I produce the newsletter.
VT	No	No	No	Yes	We often contribute material to the Vermont League of Cities and Towns newsletter.
WA	Yes	Yes	Yes	Yes	As requested or as needed floodplain management information is provided to the Dept. of Commerce newsletter on Growth management, emergency managers association, building officials association, and others.
WI	Yes	Yes	Yes	No	
WY	Yes	Yes	No	No	

107. Does the state maintain a floodplain management-oriented website?

State	Response	State	Response	State	Response	State	Response
AL	Yes	ID	Yes	ND	Yes	RI	Yes
AR	Yes	IL	Yes	NE	Yes	SC	Yes
AZ	Yes	IN	Yes	NH	Yes	TN	Yes
CA	Yes	KS	Yes	NJ	Yes	UT	Yes
CO	Yes	KY	Yes	NM	Yes	VT	Yes
CT	Yes	LA	Yes	NV	Yes	WA	Yes
DC	Yes	MD	Yes	NY	Yes	WI	Yes
DE	Yes	MO	Yes	OH	Yes	WY	No
FL	No	MS	Yes	OK	Yes		
GA	No	MT	Yes	PA	Yes		
HI	Yes	NC	Yes	PR	Yes		

108. Does the state maintain a floodplain management-oriented database?
108.1. What does the floodplain management-oriented database contain?

State	108. Database?	108.1. What does the floodplain management-oriented database contain?											
		Community Data (contact info & status)	Mapping Related Content (e.g. LOMAs, LOMRs, FIRMs, mapping needs)	State Regulations	State Issued Permits	Repetitive Loss Properties	Flooding History	CAV and CAC Information	Ordinances	Engineering Studies	Engineering Models	Contacts	Technical Assistance
AL	Yes											X	
AR	Yes		X					X				X	
AZ	No												
CA	No												
CO	Yes		X	X			X	X		X	X	X	
CT	No												
DC	Yes		X	X	X	X	X		X	X	X	X	X
DE	No												
FL	No												
GA	Yes												
HI	Yes												
ID	Yes		X					X	X				X
IL	Yes					X		X	X				
IN	Yes		X	X	X			X	X	X	X	X	X
KS	Yes		X	X			X	X	X			X	
KY	Yes		X	X	X	X	X	X	X			X	X
LA	Yes		X									X	
MD	Yes			X	X	X		X	X	X	X	X	X
MO	Yes								X			X	X

State	108. Database?	108.1. What does the floodplain management-oriented database contain?											
		Community Data (contact info & status)	Mapping Related Content (e.g. LOMAs, LOMRs, FIRMs, mapping needs)	State Regulations	State Issued Permits	Repetitive Loss Properties	Flooding History	CAV and CAC Information	Ordinances	Engineering Studies	Engineering Models	Contacts	Technical Assistance
MS	Yes					X		X	X	X	X		X
MT	Yes		X	X		X	X	X	X	X	X	X	X
NC	No												
ND	No												
NE	Yes		X	X			X		X			X	X
NH	Yes		X			X	X	X	X			X	X
NJ	No												
NM	No												
NV	Yes		X										
NY	Yes		X					X	X				X
OH	Yes		X	X					X			X	X
OK	Yes			X				X	X			X	X
PA	Yes			X		X		X	X				
PR	No												
RI	No												
SC	Yes												
TN	No												
UT	No												
VT	Yes		X			X		X	X				X
WA	Yes								X			X	
WI	Yes		X	X				X	X	X	X	X	X
WY	Yes					X		X				X	X

108.2. How is the floodplain management-oriented database accessible to the public?

State	108.2. How is the floodplain management-oriented database accessible to the public?
AL	It isn't.
AR	limited to floodplain administrator information
CO	Most of it is available to the public, but some information is only internal.
DC	Some online through DC website and some through hard copies in District agencies
GA	It is not.
ID	Community contacts are posted on the agency's website.
IL	Not accessible to the public
IN	internet, division web page
KS	Limited access. Beginning development of a web based GIS program to make data available.
LA	DOTD's Floodplain Management website
MO	website and phone and e-mail inquiries

State	108.2. How is the floodplain management-oriented database accessible to the public?
MS	limited on MEMA website, MDEQ website, and AFMM website
MT	Upon request - mainly just the information that is listed on the website is readily available. Other information the State can provide copies or send electronically.
NE	Website access. All data is not shared
NH	Some data is posted to web site
NV	water.nv.gov
NY	It is used internally and for program reporting only.
OH	online
OK	www.owrb.ok.gov www.okflood.org
PA	It's not
SC	NOT, FEMA's CIS we make the data available in a word document.
VT	The database is under development and not available to the public.
WA	Through the agency website.
WI	state website
WY	By request.

109. Does your state require flood hazard disclosures for properties, such as deed restrictions?

State	Response	State	Response	State	Response	State	Response
AL	No	ID	No	ND	No	RI	Yes
AR	No	IL	Yes	NE	No	SC	No
AZ	Yes	IN	Yes	NH	No	TN	No
CA	Yes	KS	No	NJ	No	UT	No
CO	Yes	KY	No	NM	No	VT	No
CT	Yes	LA	No	NV	No	WA	Yes
DC	No	MD	Yes	NY	Yes	WI	Yes
DE	No	MO	No	OH	No	WY	No
FL	Yes	MS	No	OK	Yes	RI	Yes
GA	No	MT	Yes	PA	No	SC	No
HI	Yes	NC	Yes	PR	Yes	TN	No

110. What public outreach activities does your state conduct for flooding or floodplain management awareness?

State	Setup Booths at Malls, Fairs	Work with the Legislature or other Sites	Issue Press Releases	Initiate Public Television Spots/Interviews	Promote Flood Awareness Day or Week	Provide a Retrofitting Open House	Contact or Work w/ Homeowners or Homeowner Groups	Other
AR					X			outreach on demand
CA	X	X						Annually send notices to owners and occupants of structures receiving protection from State/Federal "Project" levees of flood risks inherent in living behind a levee.
CT		X	X					
DC	X		X		X		X	Town hall meetings, Community meetings
DE			X				X	
FL	X	X	X	X	X			
GA	X	X					X	Civic and State agencies
HI	X		X		X			conduct training
ID					X			workshops, e.g. NAI workshops,; presentations to groups
IL	X	X	X		X	X	X	
IN	X	X	X		X		X	
KS		X	X		X		X	
LA					X	X		
MO	X		X					
MS	X	X	X		X			
MT	X	X		X	X		X	provide info and work with Land Use and Water Agencies
NC	X	X	X					
NE								Technical assistance provided upon request
NH					X			
NM	X		X	X	X		X	
OH	X	X			X		X	workshops, meetings, general technical assistance
OK	X	X	X	X	X			
PA	X						X	
PR			X		X			
RI			X		X		X	
SC	X	X	X	X	X			
TN								Provide annual outreach to local community officials & to professional organizations.

State	Setup Booths at Malls, Fairs	Work with the Legislature or other Sites	Issue Press Releases	Initiate Public Television Spots/Interviews	Promote Flood Awareness Day or Week	Provide a Retrofitting Open House	Contact or Work w/ Homeowners or Homeowner Groups	Other
UT	X	X	X	X	X		X	Utah League of Cities and Towns
WA	X	X	X	X	X		X	Training workshops for other agencies, associations, and local governments
WI	X	X	X		X		X	
WY				X				Community open house events.

111. What public outreach activities does your state conduct for awareness of natural resources of floodplains and coastal areas?

State	Setup Adopt-a-Stream Programs	Advocate Wildlife or Nature Walks	Setup Booths at Malls, Fairs	Work with the Legislature or other Sites	Issue Press Releases	Initiate Public Television Spots/Interviews	Promote Beach Cleanup	Other
CA			X	X			X	
CT	X		X	X	X		X	
DC			X		X			
DE							X	beach grass planting
FL	X	X	X	X	X	X	X	
GA	X	X	X	X	X	X		Promote stream cleanup
HI			X					
ID								include information in presentations
IL	X	X	X					
IN	X		X		X			
KS				X	X			
MD			X					
MO			X		X			
MT			X	X				Working with our Wetland Program on grants specific to the natural resources of floodplains and promote NAI.
NC			X	X				
NE								Technical assistance provided upon request
NH	X				X		X	
NM					X	X		
NY	X		X					
OH	X	X	X	X	X	X	X	
OK			X	X	X	X		
PA			X					
PR			X	X			X	

State	Setup Adopt-a-Stream Programs	Advocate Wildlife or Nature Walks	Setup Booths at Malls, Fairs	Work with the Legislature or other Sites	Issue Press Releases	Initiate Public Television Spots/Interviews	Promote Beach Cleanup	Other
SC					X	X		
TN	X	X						
UT					X	X		
VT				X				
WA	X	X	X	X	X	X	X	
WI	X	X	X	X	X			

112. Does your state floodplain management program produce materials or otherwise help communities in their public outreach activities? (e.g., press release, media kits, handouts, brochures)
112.1. Please describe what materials or how your program helps communities in their public outreach activities.

State	112. Public Outreach	112.1. Describe
AL	No	
AR	No	
AZ	Yes	Share information
CA	Yes	Flood Risk Notification program mails out nearly 300,000 flyers annually to inform property owners and residents of their flood risk. DWR has the FloodSAFE Initiative, launched in 2006, that has a newsletter, website, and regional meetings for the Central Valley.
CO	Yes	
CT	No	
DC	Yes	Brochures: Floodplain Management Program in DC, New Flood Map; Publications; Webpage; Flood zone determination Tools/application
DE	No	
FL	No	
GA	Yes	Provide guidance, material and staff as presenters
HI	Yes	The SCO produces a quarterly newsletter titled WAI HALANA (http://www.hidlnr.org/eng/nfip/WHpage9.aspx)
ID	No	
IL	Yes	handout materials provided to public
IN	Yes	Provide sample news releases, and various FEMA publications to local communities
KS	Yes	Have helped to develop handouts and brochures. Have also developed websites for the display of floodplain mapping information.
KY	Yes	
LA	No	
MD	No	
MO	Yes	Brochures and publications are available from the website or upon request and at various public meetings
MS	Yes	FPM related publications and handouts
MT	Yes	Website - toolkits for outreach. Also we have floodplain display boards for community events and a floodplain simulator for other agencies, schools, or events.
NC	Yes	press releases and flyers related to updated maps
NE	No	
NH	Yes	Various handouts and brochures, which are mostly available on web site

State	112. Public Outreach	112.1. Describe
NJ	No	
NM	Yes	State provides FEMA library material
NV	Yes	Provide FEMA materials
NY	Yes	We have put together simple FAQs on flood insurance and floodplain construction requirements. We have a floodway analysis guidance document for communities and contractors.
OH	Yes	various general and specific multi-media materials
OK	Yes	
PA	No	
PR	Yes	Coordination and support, as needed
RI	Yes	
SC	Yes	
TN	Yes	Materials have been developed as part of the map-modernization program & assistance provided to local governments in developing outreach materials.
UT	Yes	Provide communities with FEMA outreach materials. Attend events and other community outreach meetings.
VT	Yes	We provide a myriad of FEMA and State fact sheets to towns directly. We provide funding and assistance to Regional Planning Commissions and other NGOs to develop outreach materials as well.
WA	Yes	Flood hazard pamphlet Guidebook for Local Administrators Guidebook on Flood Hazard Management Planning "Living with the River" book about natural river functions and hazards
WI	Yes	general floodplain informational brochures, occasional educational videos, press releases for open houses and workshops, website updates
WY	Yes	Printed informational material such as talking points, handouts, brochures.

113. Does your state program participate or coordinate with private sector efforts to conduct public outreach/awareness of floodplain management or floodplain resources? (e.g. fast food placemats; grocery bags; church activities; Home Depot workshops, etc.)
113.1. Please describe what materials or how your program works with private sector partners in their public outreach activities.

State	113. Response	113.1. Describe
AL	Yes	Public meetings
AR	Yes	NFIP and FEMA products and State Quick Guide
AZ	No	
CA	No	
CO	Yes	
CT	No	
DC	No	
DE	No	
FL	Yes	Post-disaster we staff emergency services centers, which can be located at emergency management buildings, retail operations, or other public buildings for distribution of FEMA publications and other flood damage/ flood insurance materials.
GA	Yes	Both at Home Depot in Savannah (coastal community) during Hurricane Awareness.
HI	Yes	The SCO conducts training for Realtor groups, Insurance Agents, and Lenders. The SCO also host an annual Hawaii Floodplain Manager's Conference.

State	113. Response	113.1. Describe
ID	No	
IL	No	
IN	No	
KS	No	
KY	No	
LA	No	
MD	No	
MO	No	
MS	No	
MT	No	
NC	No	
NE	No	
NH	Yes	Have conducted public workshops for insurance companies
NJ	No	
NM	No	
NV	No	
NY	No	
OH	No	
OK	No	
PA	No	
PR	Yes	Through professional organizations
RI	Yes	
SC	Yes	
TN	No	
UT	Yes	Our office conducts regular private sector outreach as outlined in our Utah Be Ready campaign.
VT	No	
WA	Yes	The publications noted in 112.1 and the FEMA reference materials for retrofitting etc.
WI	No	
WY	No	

PRINCIPLE 8:
Training and technical assistance in floodplain management needs to be available to the state's communities.

114. What methods do you use to monitor local programs?

State	Phone Call	Mail Survey	Site Visit	Complaints	NFIP Submit-to-Rate requests	Biennial Report	Other
AL	X		X	X	X	X	
AR	X	X	X	X	X		
AZ	X		X	X			
CA			X	X		X	
CO	X		X	X		X	
CT	X		X	X	X	X	
DC	X			X		X	Building Permit Process
DE	X		X	X			
FL	X		X	X		X	
GA	X		X	X		X	
HI	X		X	X			
ID	X		X	X			Number of questions from certain communities
IL	X		X	X	X		
IN	X	X	X	X			
KS	X		X	X		X	
KY	X		X	X	X		
LA	X	X	X	X	X	X	
MD	X		X			X	
MN	X		X	X			
MO	X		X	X	X		
MS	X		X				CAC and CAV
MT	X		X	X	X	X	
NC	X		X	X	X		
ND	X		X	X			
NE	X		X	X			Technical assistance requests
NH			X	X	X		
NJ				X			
NM	X		X	X	X	X	
NV	X		X	X			CAVs
NY	X		X	X	X	X	
OH	X		X	X	X	X	
OK	X		X	X		X	
PA	X		X	X			State Annual Report
PR	X		X	X			
RI	X		X	X			
SC	X		X	X		X	
TN	X		X	X			
UT	X	X	X	X	X	X	commerce inquiries

State	Phone Call	Mail Survey	Site Visit	Complaints	NFIP Submit-to-Rate requests	Biennial Report	Other
VT	X		X	X	X	X	State-required review of local permits applications
WA	X		X	X	X		
WI	X		X	X	X	X	
WY	X		X	X	X	X	

117. Given your state's staffing and budgetary situation, how often are the NFIP communities monitored?
Once every ____ years
117.1. How has that frequency changed since 2003?

State	117. Monitored Every ___ Years	117.1. How has that frequency changed since 2003?		
		Increase	Decrease	Similar
AL	5			X
AR	5		X	
AZ	9		X	
CA	5			X
CO	5			X
CT	10		X	
DC	1			X
DE	2	X		
FL	8	X		
GA	8		X	
HI	2			X
ID	10			X
IL	15		X	
IN	7			X
KS	3	X		
KY	5	X		
LA	5		X	
MD	3	X		
MN				X
MO	20		X	
MS	3.5	X		
MT	5	X		
NC	2	X		
ND	3		X	
NE	10	X		
NH	10	X		
NJ	8			X
NM	2	X		
NV	5			X
NY	15	X		
OH	8		X	
OK	5	X		
PA	10	X		

State	117. Monitored Every ___ Years	117.1. How has that frequency changed since 2003?		
		Increase	Decrease	Similar
PR	5	X		
RI	3	X		
SC	5			X
TN	5			X
UT	5	X		
VT	8	X		
WA	5	X		
WI	10		X	
WY	4		X	

119. If in the course of monitoring local programs you find an NFIP violation, who is responsible for follow-up?
119.1. Please explain the process or steps taken when acting on NFIP violations.

State	119. NFIP Violation Follow-up	119.1. Process on NFIP Violations
AL	State	Issue verbal notice with required remedial action to remedy. Issue a written report with required remedial action with target date for compliance. Create a data entry in CIS regarding violation.
AR	State	Try to resolve violations. If not successful, turn over to FEMA
AZ	State	No formal process established but in the process of developing one.
CA	FEMA, State	State would do the initial follow-up and then would turn case over to FEMA for any further follow-up.
CO	FEMA, State	FEMA is notified in writing when a violation is found. The State works with the local community to correct violations and if assistance is needed from FEMA, it is requested by the State.
CT	State	State provides guidance, training, remediation options. If community does not comply, FEMA is then contacted for additional assistance
DC	State	DC has not experienced NFIP violations. However, if this occurs, FEMA Region III will be informed.
DE	State	
FL	State	Once violation is confirmed, the State gives the community a timeframe for bringing into compliance. If compliance is not achieved, State continues to work with community until either compliance is achieved or it is determined that FEMA assistance is necessary.
GA	State	Discuss bases for violation with local official(s) during visit; provide correspondence documenting violation and outline expected course of action and timeframe for correcting violation with copy to FEMA Region IV; offer needed technical assistance and training; and document CIS.
HI	State	
ID	State	The state makes an attempt to resolve the violation. If it cannot be resolved by the state (no authority) and the local jurisdiction, the FEMA region is brought in. Some violations go directly to the FEMA regional office. Submit for Rates no longer come to the state, which probably is how the region learns first of some violations.
IL	State	Work with community to resolve violation. Due to time and staffing constrains, state uses the "three strike" philosophy. If community fails to take action after 3 attempts to resolve violation, community is turned over to FEMA for compliance action.
IN	State	State will work with the community to try and remedy the violations, as last resort will turn over to FEMA for enforcement action if unable to get the community to comply.

State	119. NFIP Violation Follow-up	119.1. Process on NFIP Violations
KS	FEMA	Contact with the community to identify means of correcting the violation and follow up with FEMA Regional Office.
KY	State	
LA	State	The State tries several attempts to encourage the community to resolve the violation. If the community is not moving toward correcting the problem, the State informs FEMA of the community's violation.
MD	State	Evaluate / Determine Corrective Action / follow up
MN	State	
MO	FEMA	
MS	State	State works with community to correct violation to maximum extent possible.
MT	State	Depending upon the violation, the State will typically try to work with the community to come into compliance. FEMA is notified and will step in if the violation is severe or warrants FEMA taking additional actions with the community.
NC	State	Coordinate with community per FEMA CAV Handbook Guidelines
ND	State	FEMA isn't particularly helpful when it comes to NFIP violations. They don't want to deal with them anymore than the state does. It's best to leave them out of the picture, they don't do any remedying or enforcement anyway. The state explains the ramifications of the 'violations' relative to flood insurance rates, ease in obtaining loans from federally regulated lenders, property resale and likelihood of the violation costing someone money into the future. These violations can lie for years with no consequence. Also, FEMA tracking records between floodplain management and mitigation are so poor that FEMA can actually acquire 'violations' through HMA in the future.
NE	State	State works with community on compliance. If compliance cannot be met within reasonable timeframe, FEMA is notified.
NH	State	
NJ	State	(1) notify the community, (2) notify FEMA Region II
NM	FEMA, State	A Community Assistance Visit (CAV) Findings Report is sent to the community identifying the violations and adequate time is given for the community to respond or take corrective action.
NV	FEMA	State conducts CAV and requests submittals, State conducts one follow up request on submittals prior to turning over to FEMA Region
NY	State	State requests community to verify violation and to determine a course of action. This is turned over to FEMA if community does not respond to state requests.
OH	State	Correspondence among the local, state, and, at times, FEMA, culminating in the correction or mitigation of the deficiency / violation or the referral to FEMA for federal follow-up. The SOP for the CAV or CAC includes a 90 day window by which resolution or FEMA-referral occurs.
OK	State	Write violation letter, explain violation and give a timeframe to correct. If giving months to remedy, ask for periodic updates.
PA	State	State follows up. If compliance issue remains unresolved, FEMA is consulted.
PR	State	Administrative hearing to bring the opportunity or evidence to avoid the permit revocation. If there no evidence the permit the state agency or community revocates the permit. Also, it is recommended to apply Section 1316 , deny flood insurance.
RI	State	
SC	State	memorandum of agreement, letters, etc.
TN	State	State offers assistance to correct. If no action is taken by the community after a six month follow up period referred to FEMA for action.
UT	FEMA, State	This is a cooperative effort between both State and FEMA. I typically attempt to resolve the issue with the community first; however, often FEMA's assistance may be required.

State	119. NFIP Violation Follow-up	119.1. Process on NFIP Violations
VT	State	1) Send follow-up letter to the community, asking for schedule for compliance with milestones w/90 days of date of the letter. 2a) If community responds and is making progress on addressing violations, we continue to work with the community towards resolution. 2b) if a community is communicating, but making no meaningful attempt to address the violation, we forward to FEMA 180 days from the date of the initial CAV follow-up letter. 2c) If no response after 90 days, we send second 90-day letter. If still no response (after 180 days), we refer to FEMA Regional Office.
WA	State	Review issue with the community. Develop an action plan with time limits. Monitor plan.
WI	State	CAV summary sent to community; follow-up phone call explaining concerns and request for community compliance schedule; review of community proposal and resolution of issues related to follow-up; compliance/mitigation to maximum extent practicable and issuance of close-out letter
WY	State	Violations are reviewed and discussed with FEMA Regional office and a course of corrective action is developed with the community to resolve the issue.

120. Do you receive the support you consider appropriate and necessary from your FEMA Regional Office to address enforcement needs in your state?

State	Response	State	Response	State	Response	State	Response
AL	Yes	ID	Sometimes	NC	Yes	PR	Yes
AR	Yes	IL	No	ND	Sometimes	RI	Yes
AZ	Sometimes	IN	No	NE	Sometimes	SC	Sometimes
CA	Yes	KS	Yes	NH	Yes	TN	Yes
CO	Sometimes	KY	No	NJ	No	UT	Yes
CT	Yes	LA	Yes	NM	Yes	VT	Sometimes
DC	Yes	MD	Yes	NV	Yes	WA	Yes
DE	Yes	MN	Yes	NY	No	WI	Yes
FL	Yes	MO	Sometimes	OH	Sometimes	WY	Yes
GA	Yes	MS	Yes	OK	Yes		
HI	Yes	MT	Yes	PA	Yes		

121. Please indicate which of the following activities your state floodplain management program accomplishes under your Community Assistance Program (CAP) agreement with FEMA.

State	Community Assistance Calls (CACs)	Community Assistance Visits (CAVs)	Community Rating System	Workshops	Regional Coordination Meetings with States	Outreach	Ordinance Review	General Technical Assistance	Maintain Community Information System	Map Assistance Activities	State Interagency Coordination Efforts	Public Affairs and Media Work	Other
AL	X	X	X	X	X	X	X	X	X	X	X	X	
AR	X	X	X	X	X	X	X	X	X	X	X		STATE ASSOCIATION
AZ	X	X		X			X	X	X				Conferences and

State	Community Assistance Calls (CACs)	Community Assistance Visits (CAVs)	Community Rating System	Workshops	Regional Coordination Meetings with States	Outreach	Ordinance Review	General Technical Assistance	Maintain Community Information System	Map Assistance Activities	State Interagency Coordination Efforts	Public Affairs and Media Work	Other
													Training
CA		X	X	X	X	X	X	X	X	X	X	X	
CO	X	X	X	X		X	X	X	X	X	X		
CT	X	X	X	X	X	X	X	X	X	X	X		state hazard mitigation planning, mitigation grants management
DC				X	X	X	X	X		X	X	X	
DE	X	X	X	X		X	X	X	X	X	X		
FL	X	X		X	X	X	X	X	X	X	X		
GA	X	X	X	X		X	X	X	X	X	X		Coordination with GA Association of Floodplain Management (GAFM)
HI		X	X	X	X	X	X	X	X	X			
ID	X	X	X	X	X	X	X	X	X	X	X		Assistance to communities after a disaster.
IL	X	X	X	X	X	X	X	X	X	X	X	X	
IN	X	X	X	X	X	X	X	X	X	X	X	X	
KS	X	X	X	X	X	X	X	X	X	X	X	X	
KY	X	X		X	X	X	X	X	X	X	X		
LA	X	X	X	X	X	X	X	X	X	X	X		
MD	X	X	X	X		X	X	X	X	X	X		
MN	X	X	X	X	X	X	X	X	X	X	X		
MO	X	X	X	X	X	X	X	X	X	X	X	X	
MS	X	X	X	X		X	X	X	X	X	X		
MT	X	X	X	X	X	X	X	X	X	X	X	X	data storage
NC	X	X	X	X	X	X	X	X	X	X	X	X	
ND	X	X		X		X	X	X	X	X			
NE	X	X	X	X	X	X	X	X	X	X	X		
NH	X	X	X	X	X	X	X	X	X	X	X	X	
NJ	X	X	X	X		X	X	X	X	X	X		
NM	X	X	X	X	X	X	X	X	X	X	X	X	
NV		X		X	X	X	X	X	X	X	X		Administer FMA, RFC and SRL programs
NY	X	X		X	X	X	X	X	X	X	X		
OH	X	X	X	X	X	X	X	X	X	X	X		national coordination
OK	X	X	X	X	X	X	X	X	X	X	X	X	

State	Community Assistance Calls (CACs)	Community Assistance Visits (CAVs)	Community Rating System	Workshops	Regional Coordination Meetings with States	Outreach	Ordinance Review	General Technical Assistance	Maintain Community Information System	Map Assistance Activities	State Interagency Coordination Efforts	Public Affairs and Media Work	Other
PA	X	X	X	X	X	X	X	X	X	X	X	X	
PR	X	X		X		X	X	X	X	X	X	X	bulletins, floodplain management website
RI	X	X	X	X	X	X	X	X	X	X	X	X	
SC	X	X	X	X	X	X	X	X	X	X	X	X	
TN	X		X	X	X	X	X	X	X	X	X		
UT	X	X	X	X	X	X	X	X	X	X	X	X	Document preparation and archiving
VT	X	X	X	X	X	X	X	X	X	X	X		
WA	X	X	X	X	X	X	X	X	X	X	X	X	
WI	X	X	X	X	X	X	X	X	X	X	X	X	
WY	X	X	X	X	X	X	X	X	X	X	X	X	

122. For each activity selected in Question 121 above, please indicate the time spent (as % of total time) for each of the activities your state floodplain management program accomplishes under your CAP agreement with FEMA. (Enter a value between 0 and 100 for each - Total for all activities should be 100%) Time For:

State	Community Assistance Calls (CACs)	Community Assistance Visits (CAVs)	Community Rating System	Workshops	Regional Coordination Meetings with States	Outreach	Ordinance Review	General Technical Assistance	Maintain Community Information System	Map Assistance Activities	State Interagency Coordination Efforts	Public Affairs and Media Work	Other	Please Describe Other
AL	20	20	1	1	3	5	5	15	5	10	5	5	5	Disaster readiness
AR	8	12	2	20	2	5	8	10	2	5	2	0	24	STATE ASSOCIATION, REVIEW OF MIIGATION PROJECTS, PLANNING, NATIONAL CONFERENCES, ETC.
AZ	5	55	0	10	0	0	10	15	3	0	0	0	2	Conferences and Training
CA	0	30	5	20	5	5	5	10	5	5	5	5	0	
CO	15	30	5	2	0	2	10	5	5	5	10	1	10	
CT	2	3	2	13	5	15	20	15	2	10	3	0	10	state hazard

State	Community Assistance Calls (CACs)	Community Assistance Visits (CAVs)	Community Rating System	Workshops	Regional Coordination Meetings with States	Outreach	Ordinance Review	General Technical Assistance	Maintain Community Information System	Map Assistance Activities	State Interagency Coordination Efforts	Public Affairs and Media Work	Other	Please Describe Other
														mitigation planning and hazard mitigation grants management
DC	0	0	0	15	10	15	15	10	0	10	10	15	0	
DE	5	10	5	20	0	10	5	25	5	10	5	0	0	
FL	20	20	1	1	1	1	5	30	10	5	5	1		
GA	10	10	2	13	5	10	20	15	5	5	5	0	0	
HI	0	50	1	15	2	15	3	12	1	1	0	0	0	
ID	5	30	1	10	5	5	5	25	2	2	10	0	0	I estimate it takes about 10% of my time for grant administration, which is on top of the tasks. Obviously, I am over-committed. If a disaster were to be declared, I would have to renegotiate the CAP agreement with FEMA.
IL	5	10	2	10	5	1	10	20	2	10	10	0	15	CAP administrative paperwork. More and more burdensome every year (Gap Analysis, 5 year plans, etc...)
IN	10	10	1	5	2	10	5	25	2	20	5	5	0	
KS	12	5	5	12	2	12	10	12	5	10	10	2	3	Administrative responsibilities related to grants management. Professional Development. Personnel activities.
KY	15	20	0	15	3	5	15	15	5	5	2	0	0	
LA	5	50	5	5	5	5	5	5	5	5	5	0	0	
MD	5	25	5	5	2	3	5	20	2	25	2	1	0	
MN	4	9		3	6	1	42	32	1				2	Reporting & surveys (with CIS is 3%) These are for time paid for by CAP-SSSE

State	Community Assistance Calls (CACs)	Community Assistance Visits (CAVs)	Community Rating System	Workshops	Regional Coordination Meetings with States	Outreach	Ordinance Review	General Technical Assistance	Maintain Community Information System	Map Assistance Activities	State Interagency Coordination Efforts	Public Affairs and Media Work	Other	Please Describe Other
MO	5	5	2	8	5	5	20	15	5	20	5	5	0	
MS	10	40	5	5	0	5	5	2	2	25	1	0		
MT	10	20	5	10	2	10	5	10	10	5	5	3	5	maintaining data storage for all 130 communities to include flood photos and permit information
NC	13	10	2	15	3	5	10	30	5	5	2	0	0	
ND														
NE	4	8	2	4	2	2	10	40	4	20	4	0	0	
NH	10	15	2	10	2	10	2	40	1	2	5	1	0	
NJ	17	23	12	3	0	3	20	10	5	5	2	0	0	
NM	3	30	3	10	5	7	20	5	5	5	3	2	2	Dam Safety Environmental Reviews
NV		20	5	20	2	3	10	15	2	8	5		10	
NY	5	30	2	6	1	5	9	23	3	10	1	2	3	Inter and Intra-Agency Activities
OH	2	4	1	4	2	2	32	19	1	30	1	1	1	Coordination with government and NGOs to strengthen national policies, programs, and implementations.
OK	10	15	5	15	5	12	10	10	5	10	2	1	0	
PA	5	3	2	4	1	7	40	10	10	3	2	3	10	Updates to state model ordinances, publications etc. Management of County Conservation District contractors
PR	1	1	0	15	0	25	5	30	3	10	3	2	5	bulletin, website maintenance
RI	5	15	2	5	5	10	7	29	10	5	3	1	3	
SC	10	20	3	20	2	5	5	25	5	2	2	1	0	
TN	15	0	5	5	5	5	5	35	10	10	5	0	0	
UT	10	20	5	5	5	10	5	10	5	5	5	5	10	Emergency Management support for the State of Utah (FEMA related)

State	Community Assistance Calls (CACs)	Community Assistance Visits (CAVs)	Community Rating System	Workshops	Regional Coordination Meetings with States	Outreach	Ordinance Review	General Technical Assistance	Maintain Community Information System	Map Assistance Activities	State Interagency Coordination Efforts	Public Affairs and Media Work	Other	Please Describe Other
VT	10	15	5	10	2.5	5	5	25	5	15	2.5	0	0	
WA	14	32	3	6	4	3	11	15	1	3	5	3	0	
WI	2	5	2	10	2	2	30	40	1	3	1	2	0	
WY	10	20	5	5	1	5	10	30	1	10	2	1	0	

123. Is there an unmet need for more floodplain management assistance to the communities in your state?

State	123. Unmet Need	Please select which needs have been unmet.										
		General Technical Assistance	Training	Community Assistance Calls (CACs)	Community Assistance Visits (CAVs)	Mapping	Habitat Evaluation	Enforcement	Ordinance Assistance	Ordinance Review	Community Rating System (CRS) Support	Other
AL	Yes		X									Outreach
AR	Yes											PUBLIC AWARENESS OF FLOOD INSURANCE AND FLOODPLAIN MANAGEMENT, MONITORING
AZ	Yes	X	X		X	X		X			X	
CA	Yes		X		X			X		X		
CO	Yes							X				
CT	Yes		X					X				
DC	Yes		X			X		X				
DE	No											
FL	Yes	X	X	X	X	X						
GA	Yes										X	Increase number and frequency of CAVs
HI	No											
ID	Yes	X	X	X	X	X						
IL	Yes	X	X	X	X	X		X	X	X	X	
IN	Yes	X				X		X				
KS	Yes	X	X		X	X						
KY	Yes		X					X				
LA	Yes			X	X							
MD	No											
MN	Yes	X	X			X					X	
MO	Yes	X		X	X							

State	123. Unmet Need	Please select which needs have been unmet.										
		General Technical Assistance	Training	Community Assistance Calls (CACs)	Community Assistance Visits (CAVs)	Mapping	Habitat Evaluation	Enforcement	Ordinance Assistance	Ordinance Review	Community Rating System (CRS) Support	Other
MS	Yes	X	X	X	X			X	X	X	X	loss of staff
MT	Yes	X	X	X	X	X	X	X	X	X		Legal issues and training
NC	Yes		X		X			X			X	
ND	No											
NE	Yes		X	X	X	X						
NH	Yes		X	X	X	X		X				
NJ	Yes		X					X				
NM	Yes		X			X	X					
NV	Yes	X	X	X	X	X	X	X	X	X	X	Mitigation planning and projects
NY	Yes	X	X	X	X	X		X			X	
OH	Yes	X			X			X				natural beneficial function
OK	No											
PA	Yes	X	X			X		X				
PR	No											
RI	No											
SC	Yes		X	X	X	X	X	X	X		X	
TN	Yes					X					X	
UT	No											
VT	Yes	X	X	X		X		X		X		
WA	Yes	X	X			X	X	X				
WI	Yes		X		X							
WY	No											

125. Does your state floodplain management program, state association, or local group(s) hold floodplain management oriented workshops for any of the following?

State	General Public	Professional Groups	Other
AL		X	
AR	X	X	ON DEMAND
AZ		X	
CA	X	X	
CT		X	
DC	X	X	
DE		X	2
FL		X	
GA	X	X	Twice annually for local officials
ID	X	X	4
IL	X	X	

State	General Public	Professional Groups	Other
IN		X	
KS		X	
LA		X	1
MD		X	
MN	X	X	
MO		X	10 workshops
MS		X	
MT	X	X	2
NC		X	7
NE			Upon Request
NJ	X		
NV			2
NY		X	
OH		X	6
OK	X	X	
PA	X	X	
PR		X	
RI	X	X	
SC		X	
TN	X	X	12
UT	X	X	6
VT		X	3
WA	X	X	
WI	X	X	
WY		X	

127. Are continuing education credits (CECs) awarded for any of your agency's state-sponsored floodplain management training opportunities?
127.1. Under which certification program(s) are CECs granted for any of your agency's state-sponsored floodplain management training opportunities?

State	127. CEC's?	127.1. Which Program(s)?
AL	Yes	CFM
AR	Yes	ASFPM CFM
AZ	Yes	State Standards for Floodplain Management workshops, AFMA Conferences and technical training, Elevation Certificate Workshops, SD/SI Workshops
CA	Yes	CFM, Insurance Agents
CO	Yes	CFM
CT	No	
DC	No	
DE	Yes	
FL	Yes	CFM, APA, PE, BO, insurance professionals
GA	Yes	CFM, Registered Land Surveyors
HI	Yes	CFM
ID	Yes	CFM, AICP. Idaho Bar Assoc.
IL	Yes	CFM

State	127. CEC's?	127.1. Which Program(s)?
IN	Yes	CFM program
KS	Yes	CFM. Licensed Insurance Agents
KY	Yes	
LA	No	
MD	Yes	CFM
MN	Yes	For building officials, if requested. PE. CFM.
MO	Yes	
MS	Yes	CFM, state insurance commission
MT	Yes	CFM, Land Surveyors, Professional Engineers, Attorneys, Real Estate Agents, Insurance Agents
NC	Yes	Certified Floodplain Managers, Professional Engineers, Professional Land Surveyors
NE	Yes	ASFPM
NH	Yes	CECs can be used by surveyors or engineers
NJ	No	
NM	Yes	Certified Floodplain Managers (CFM) Refresher Course, E273 Course.
NV	Yes	CFM
NY	Yes	CODE ENFORCEMENT CREDITS
OH	Yes	CFM, OBOA, MHC
OK	Yes	State FPA Accreditation Program.
PA	Yes	FEMA sponsored courses, PA Assoc. of Flood Plain Managers meetings/conferences
PR	Yes	CEC's are granted through the Department of Continuing Education, DCE, of the College of Engineers and Land Surveyors. The state agency, the Planning Board, coordinates and supply the information that are required by the DCE for the CEC's approval.
RI	Yes	CFM, APA
SC	Yes	Insurance, code officials, CFM
TN	Yes	Those for planners, building/codes officials.
UT	Yes	The Utah State Bar Association, Utah Board of Realtors, UFSMA CECs for CFMs
VT	No	
WA	No	
WI	No	
WY	No	

129. Does your FEMA Regional Office support field-delivery of the Emergency Management Institute's (EMI) training classes to local communities and officials in your state?
129.1. Have you held any deployed EMI training in your state?
129.1.1. What EMI training classes have you offered?

State	129. Support Field-Delivery of EMI	129.1. Deployed EMI Training	129.1.1. What EMI training classes have you offered?						
			EX72 HAZUS Multi-Hazards for Flood	EX94 Advanced Floodplain Mgt. Concepts	E273 Managing Floodplain Dev. Through the NFIP	E278 NFIP/CRS	E279 Retrofitting Flood-Prone Residential Buildings	E386 Residential Coastal Construction	Other
AL	Yes	Yes	X		X				
AR	Yes	Yes			X				
AZ	Yes	No							
CA	Yes	Yes			X	X			
CO	Yes	Yes			X				

State	129. Support Field-Delivery of EMI	129.1. Deployed EMI Training	129.1.1. What EMI training classes have you offered?						
			EX72 HAZUS Multi-Hazards for Flood	EX94 Advanced Floodplain Mgt. Concepts	E273 Managing Floodplain Dev. Through the NFIP	E278 NFIP/CRS	E279 Retrofitting Flood-Prone Residential Buildings	E386 Residential Coastal Construction	Other
CT	Yes	No							
DC	No								
DE	Yes	No							
FL	Yes	Yes			X				We are preparing to offer G194 and G282
GA	Yes	Yes			X				
HI	Yes	No							
ID	Yes	Yes				X			
IL	Yes	No							
IN	Yes	Yes			X				
KS	Yes	No							
KY	Yes	No							
LA	Yes	Yes			X			X	
MD	Yes	Yes			X				
MN	No								
MO	Yes	No							
MS	Yes	Yes		X	X	X	X	X	
MT	Yes	No							
NC	Yes	Yes			X				
NE	No								
NH	Yes	Yes			X			X	
NJ	Yes	Yes						X	CRS
NM	Yes	No							
NV	Yes	Yes			X				
NY	Yes	Yes			X	X			
OH	Yes	No							
OK	Yes	Yes		X	X	X			
PA	Yes	Yes			X				
PR	Yes	No							
RI	Yes	Yes					X	X	
SC	No								
TN	Yes	Yes			X				
UT	Yes	No							
VT	Yes	No							
WA	Yes	Yes			X	X			
WI	Yes	Yes			X				
WY	Yes	No							

131. Please list the name and date of any publications produced by your state designed to be a technical assistance tool for community officials or other professional groups.

State	Response
AL	Alabama Quick Guide published 2009
AZ	To date the SSWG has developed, and the Department has adopted, the following State Standards: 1. Requirement for Flood Study Technical Documentation (State Standard 1-97), originally developed in 1990, revised November 1997. 2. Requirement for Floodplain and Floodway Delineation in Riverine Environments (State Standard 2-96), originally developed in 1992, revised July 1996. 3. Supercritical Flow (State Standard 3-94), November 1994. 4. Identification of and Development within Sheet Flow Areas (State Standard 4-95), January 1995. 5. Watercourse System Sediment Balance (State Standard 5-96), September 1996. 6. Development of Individual Residential Lots within Floodprone Areas (State Standard 6-05), May 2005. 7. Watercourse Bank Stabilization (State Standard 7-98), May 1998. 8. Stormwater Detention/Retention (State Standard 8-99), August 1999. 9. Floodplain Hydraulic Modeling (State Standard 9-02), July 2002. 10. Hydrologic Modeling Guidelines (State Standard 10-07), April 2007.
CA	"The National Flood Insurance Program in California Quick Guide" 2007 2010 "Implementing California Flood Legislation into Local Land Use Planning: A Handbook for Local Communities" "Alluvial Fan Task Force Report and Recommendations" 2010
CT	fact sheets
DC	2003 Stormwater Management Guidebook
DE	Substantial Improvement Determination guidance document State Model Floodplain Ordinance
FL	Quick Guide to Floodplain Management in Florida (post-disaster FEMA HTAP funded)-- booklet and CD
GA	Flood Management in Georgia Quick Guide (2009)
IL	Many state publications are available. Most have not been updated in recent years due to staff time/availability.
KS	2007 Kansas Quick Guide. Based on publications developed in other states and modified to meet Kansas requirements.
LA	Louisiana Floodplain Management Desk Reference - September 2008
MN	- Web site updates on continual basis - Floodplains and Floodplain Management fact sheet (Sept 2006; 2 pages - at http://files.dnr.state.mn.us/publications/waters/floodplain_basics.pdf) - Integrated Approach to Floodplain Management fact sheet (March 2010; 2 pages - at http://files.dnr.state.mn.us//publications/waters/integrated_approach_to_flood_management.pdf) - Just finished update graphic of "Flood Insurance - What it covers and what it doesn't" (June 2010 - 1 11x17 page) - Just finishing Q&A on NFIP Flood Insurance (June 2010 - 2 pages) - Just finished "How to apply for LOMA or LOMA-OAS" (June 2010 - 4 pages) - Several draft fact sheets that were done initially in 2006, and expected to be revisited and finalized in 2010 - see drafts at http://www.dnr.state.mn.us/waters/watermgmt_section/floodplain/fp_information_sheets.html
MS	Quick Guide (2001, 2003, 2005, 2009), FPM Desk Reference for Local Officials (2004 & 2010), Flood: Post Disaster Community Responsibilities (2005 & 2010).
MT	There have not been any official publications produced by the state, but our website does provide training materials for the permit process, CRS participation, Floodplain Engineering 101, outreach tool kit, and various other tools. July 2010 we will be printing our Floodplain Managers Guidebook and the new Model Ordinance.
NC	2008 Quick Guide, Numerous fact sheets available on-line at www.ncfloodmaps.com

State	Response
NM	FEMA 480: Floodplain Management Requirements (10 mb) Download New Mexico Floodplain Management Handbook (9.6 mb) Download Ready Reference for New Mexico Floodplain Managers. 2003. (1.9 mb) Download Quick Guide to Floodplain Management in New Mexico. 2003. (3.1 mb) Download Adopting a Floodplain Ordinance and Joining the NFIP. 2004. (400 kb) Download Setting Up a Floodplain Management Office. 2004. (230 kb) Download Setting Up a Floodplain Management Office. 2004. Excel Sheet Download Do's and Don'ts of Issuing Floodplain Management Variances 2003. Download NMFMA Model Manufactured Housing Placement Ordinance
NY	Floodplain Construction in NYS (2008) Flood Insurance in NYS (2008)
OH	Ohio FP Regulations Criteria rev 2003 Ohio FPM Handbook rev 2005 Substantial Damage Determinations rev 2007
PA	State model ordinances, FPM Handbook for Local Officials, Flood Plain Mgmt. Reg. pursuant to PA Act 166, Technical Info on FPM
PR	Cauce Mayor, quarterly basis, Guía Rápida Administración de Valles Inundables 2009 (QUICK GUIDE ON FPM), Trazando el Riesgo 2008 (Tracking the Risk), Q & A (Answers to Questions on the NFIP in spanish)2004 and other publications like inserts, in a general newspaper with a circulation approx. 225 copies, twice 2008, 2010 and an annual calendar with information on mapping, floodplain ordinance, flood insurance, phone contacts and links.
RI	FEMA 1894-DR-RI - Information for Insurance Agents on Basement and Condo Coverage
SC	Use of appraisals for Substantial improvement determinations, CAV/CAC Prioritization Tool. Ordinance Wizard
UT	High and Dry newsletter, Floods--What you need to know about living in Utah.
VT	Please see the many documents under "Additional Resources" heading on our webpage. http://www.vtwaterquality.org/rivers/htm/rv_floodhazard.htm
WA	Flood Hazard Management Planning Guidebook Guidebook for Local Floodplain Administrators "Living with the River"

PRINCIPLE 9:
The levels of funding and staffing for floodplain management should meet the demand within each state.

132. Since 2003, have any of your state floodplain management-related programs or functions changed in any of the following ways?
132.1. Please explain how or why programs or functions have been added, discontinued, abolished, or not funded.

State	132. Changes?				132.1. Explanation
	Programs or Functions Added	Programs or Functions Discontinued /Abolished	Programs or Functions Funding Discontinued; Activities Continue	No Changes	
AL				X	
AR				X	n/a
AZ	X				Map Mod/Risk Map
CA	X				ADDED: FloodSAFE Program Flood Risk Notification Program Building Standards Code Update Project Alluvial Fan Task Force
CO				X	
CT		X			Early retirements have left staff to manage activities. With state budget deficit, we are not allowed to rehire positions. Consequently, some program functions have been reduced or eliminated.
DC	X				Because of the Map Mod process started in 2003, there is increases in outreach and activities relating to flood risk.
GA	X				Added: Involvement Map Modernization PDCC meetings and Public Flood Risk Open Houses
HI				X	
ID	X	X			Map Mod has wound down. Idaho became a CTP and has a separate, federally funded CTP grant. A best practices grant ended, and with it, the ability to do community flood modeling. The floodplain unit used to produce a quarterly newsletter, but funding cuts reduced staff and we no longer produce that. Funding cuts have reduced the number of training workshops we can offer.
IL		X			State budget issues, hiring freeze, union labor issues
IN	X				In addition to implementing CAP SSSE, We provide support toward the Map Modernization program.
KS	X				An increase in the level of participation in the CTP program.
LA	X		X		Since Hurricanes Katrina and Rita, more attention has been focused on mapping and levees. Our staffing has been cut by 25%.

State	132. Changes?				132.1. Explanation
	Programs or Functions Added	Programs or Functions Discontinued /Abolished	Programs or Functions Funding Discontinued; Activities Continue	No Changes	
MD	X				1. State has taken the lead as a CTP to Update the information on DFIRMs created under Map MOD. Non-tidal A-Zones have been upgraded to limited detailed models with hydrology and hydraulics provided to the communities as best available data, all non-tidal/riverine detailed models have been restudied and mapped with Geo-HEC-RAS to define model and cross-section locations on new topo generated from LiDAR. 2. State has taken the lead for public education and outreach in the counties that state is the CTP to distribute new DFIRM's, inform these communities of the risk, and educate local NFIP officials on the data available for public education.
MO	X				Increased emphasis on flooding mapping via Map Modernization and pending Risk MAP program
MS	X				Map Mod
MT	X				Programs have been added to strengthen floodplain programs throughout Montana.
NC	X				The floodplain management program merged with the mapping program and staff have cross-trained and cross-leveled responsibilities.
ND				X	
NE	X				Map Modernization
NH	X			X	
NJ				X	
NM	X		X		We are doing CAP/SSE Gap Analysis, Coordinating Contractor Officer's Meetings (CCO Meetings, Ordinance Reviews; Disaster Recovery Levee Task Force
NV				X	
NY	X	X			Mapping production has caused a huge increase in mapping outreach related activities and local law reviews. Staff shortages have decreased the level of detail of technical assistance and the number of CACs.
OH	X	X	X		Departmental reorganization has consolidated, eliminated, or re-prioritized divisions, programs, positions, and functions. Related reductions in state funding to most programs result in an increased (and troubling) dependence upon federal funding. FEMA continues to offer grant opportunities with consequent rearrangement and additions to better reflect funded priorities.
OK	X				State FPA Accreditation/required training. More training opportunities...101/advanced.
PA				X	
PR				X	n/a
RI	X				
SC	X	X			MAPPING
TN	X				Added activities as the result of map modernization.
UT	X				State government is losing employees. Additional responsibilities are being absorbed by all State employees. We have one office technician that works about 25% of their time for the flood program.

State	132. Changes?				132.1. Explanation
	Programs or Functions Added	Programs or Functions Discontinued /Abolished	Programs or Functions Funding Discontinued; Activities Continue	No Changes	
VT	X		X		Additional CAP and new MMMS funding allowed us to add 2 FTEs and a temporary position. MMMS funding declined in 2008 and we could no longer afford the temp position.
WA	X				Map Modernization, which really began in earnest in 2003, has added considerable workload through this year. Also, the National Wildlife Federation lawsuit for the Endangered Species Act against the NFIP resulted in a Biological Opinion by the National Marine Fisheries Service that has created its own workload to coordinate with the FEMA Region and local governments to develop guidance for implementation.
WI	X				planning and staffing map mod open houses
WY		X			Additional .5 FTE position has been eliminated. State now only has 1 FTE position.

133. What is the total size of your state floodplain management staff? Indicate the number of full-time equivalent (FTE) staff persons per year. (If floodplain management staff also have other responsibilities, please estimate their combined floodplain management work in terms of FTEs.)

State	Response
AL	1 FTE
AR	3
AZ	3.75
CA	For the Floodplain Management Branch and new Mapping Branch: About 23 people combined
CT	3 (2 CAP, 1 MapMOD)
DC	1.5
GA	4- FTEs
ID	2.75 FTE - includes CAP (1.24) plus CTP programs (1.5)
IL	50
IN	46 FTE, 5 dedicated to CAP SSSE
KS	10.3
LA	3
MD	2 Full Time Positions - Assistance and Back-Up is Provided from the Wetlands and Waterways Engineering Staff and the Dam Safety Engineers.
MS	five FTEs
MT	8 FTEs
NC	Floodplain Management Staff under CAP - 3 Planners , 1 Engineer, State Coordinator Mapping Staff cross-leveled to assist in NFIP issues- 3 planners
ND	3
NE	8
NH	1 FTE
NM	1 Full Time Employee (FTE).
NV	1 1/2
NY	5.5
OH	6.5

State	Response
OK	3 FTE's and 1 contractor that works on average 3 days per week.
PA	2
PR	Two full time
RI	2
SC	4
TN	One full time staff person & forty part-time in association with local community planning activities.
UT	The Utah State Government employs only one full-time NFIP coordinator. The State also has one Risk Map Coordinator.
VT	3 FTEs: CAP-SSSE funds the State Floodplain Manager/NFIP Coordinator and Community Assistance Program Specialist positions. MMMS/CTP funds the Flood Hazard Mapping Coordinator position.
WA	6.5 FTEs
WI	7
WY	1

134. How many FTEs in the following disciplines characterize your state's floodplain management staff? (Enter a Zero "0" if none)

State	Engineers, architects, landscape architects	Planners	Other technical (e.g. hydrologist, geologist, GIS)	Support (e.g. clerical, administrative)	Other
AL	0	0	0	0	0
AR	0	0	0	0	3
AZ	0	3	0	0	0
CA	20	0	0	3	0
CO	3		2		
CT	0	3	0	0	0
DC	1	0.1	0.2	0.2	0
DE	0	0	0	0	2
GA	0	0	2	1	1
HI	3	0	0	0	0
ID	0	1.5	0.5	0.75	0
IL	30	0	5	15	0
IN	15	5	13	8	5
KS	5.1	1.5	3.2	0.6	0
KY	8	0	4	2	0
LA	0	0	0	0	3
MD	4	1	1	1	0
MO	2	2	0	2	0
MS	0	0	0		5
MT	4	2	0	2	0
NC	1	3	0	0	1
ND	1	2			
NE	3	1	2	0	2
NH	0	1	0	0	0
NJ	3	0	1	0	0

State	Engineers, architects, landscape architects	Planners	Other technical (e.g. hydrologist, geologist, GIS)	Support (e.g. clerical, administrative)	Other
NM	0	0	0	2	
NV	0.5	0	0.5	0.5	
NY	3	2	1	0	0
OH	0	4	1	2	0
OK	0	0	2	1	1
PA	0	1.5	0	0.5	0
PR	1	0	1	1	0
RI	0	2	0	0	0
SC	1	1	0	1	1
TN	0	5	0	1	0
UT	0	0	0	1	0
VT	0	0	3	0	0
WA	1	2.5	2	1	0
WI	5.5	1.5	0	0	0
WY	0	1	0	0	0

135. For each of the FTEs in your state's floodplain management staff, what is the highest degree received? (Please insert a number on the line, e.g., 4 FTEs, 0.5 FTEs, etc. – Enter a Zero "0" if none)

State	Post-Graduate Degree	College Degree	Community College Degree	Two-year Technical Degree	High School Graduates
AL	1	0	0	0	0
AR	2	1	0	0	0
AZ	1	2	0	0	0
CA	9	16	0	0	21
CO		5			
CT	2	1	0	0	0
DC	1.5	0	0	0	0
DE	1	1	0	0	0
GA	0	4	0	0	0
HI	1	2	0	0	0
ID	1	1.25	0	0	0.5
IL	3	30	3	0	15
IN	3	31	0	4	8
KS	2	7.7	0	0	0.6
KY	8	5	0	0	1
LA	0	3	0	0	0
MD	0	6	0	0	0
MO	1	4	0	1	2
MS	0	5	0	0	5
MT	2	5	0	1	0
NC	1	3	1		
NE	6	2	0	0	0
NH	1	0	0	0	0

State	Post-Graduate Degree	College Degree	Community College Degree	Two-year Technical Degree	High School Graduates
NJ	1	3	0	0	0
NM	1	1	0	0	1
NV	1	0.5			
NY	2	2	0	1	0
OH	2	5	0	0	0
OK	1	1.5	0	0	2
PA	0	0	0	0	2
PR	0	2	0	0	0
RI	2	2	0	0	0
SC	0	2	0	0	2
TN	5	0	0	0	0
UT	1	1	1	1	2
VT	2	1	0	0	0
WA	3	2.5	0.5	0	0.5
WI	2	5	0	0	0
WY	1	0	0	0	0

136. How many collective years of floodplain management experience does your state's floodplain management staff have? ____ Years
137. How many Certified Floodplain Managers are in your state's floodplain management staff?

State	136. Years	137. CFMs
AL	8	1
AR	35	2
AZ	35	3
CA	450	3
CO	80	4
CT	20	0
DC	18	1
DE	24	2
GA	28	3
HI	23	2
ID	8	2
IL	300	4
IN	60	10
KS	107	4
KY	60	2
LA	25	3
MD	30	2
MO	45	3
MS	25	5
MT	80	8
NC	40	4

State	136. Years	137. CFMs
ND		3
NE	45	4
NH	5	1
NJ	45	3
NM	9	1
NV	12	1
NY	145	5
OH	45	6
OK	55	5
PA	10	1
PR	33	2
RI	4	2
SC	29	2
TN	275	0
UT	15	2
VT	15	3
WA	110	1
WI	240	0
WY	4	0

138. Has your state assessed statewide needs for any of the following?

State	Technical Assistance	Mapping	Enforcement	Coordination	Planning	Monitoring	Other
AL		X					
AR						X	
CA	X	X			X		
CT		X			X		
DC	X	X		X			
GA		X					
ID		X					training needs - informal assessment
IN	X	X				X	
KS		X					
KY	X	X					
MD	X	X		X	X		
MT	X	X	X	X	X		
NC	X	X					
NE	X	X					
NM	X	X					
NY		X					
OH	X	X	X	X	X	X	
PA	X	X	X	X			
PR	X	X	X		X		
SC	X	X	X			X	
TN	X	X	X	X	X	X	

State	Technical Assistance	Mapping	Enforcement	Coordination	Planning	Monitoring	Other
UT	X	X	X	X	X	X	
VT	X	X	X		X	X	
WA	X	X		X	X		Training & mitigation projects
WI		X					
WY		X			X		

138.1. What were the statewide needs assessment(s) based on?

State	Flood Frequency & Severity	Damage Potential	Local Administrative Capabilities	Anticipated State Staff Functions	Community or Regional Planning Commission Surveys or Expressed Needs	Past Needs and Community Performance	Regional Input	Other
AL							X	
AR			X					
CT		X						
DC				X		X		
GA		X			X	X	X	
ID			X			X		age of firms; county requests; turn over of floodplain administrators
IN			X	X		X		
KS								Evaluation of existing maps.
MD		X		X		X		
MT		X	X	X	X	X	X	
NC		X			X	X		
NE			X	X		X		
NM		X		X				
NY		X				X	X	
OH		X	X	X	X	X	X	
PA		X	X	X		X		
PR			X					
SC			X		X	X	X	
TN			X	X		X		
UT		X	X	X	X			
VT			X		X	X		
WA		X	X	X		X	X	
WI		X			X		X	
WY					X			

138.2. Is your state able to develop its floodplain management program budget on the basis of that needs assessment?
139. What external factors or events have affected your state's floodplain management program staffing and funding levels since 2003, and what has been the impact of them?

State	138.2. Budget on Basis of Assessment	139. External Factors or Events
AL	Yes	None
AR	No	n/a
AZ		Risk Map Grant - 1 FTE CAP - 1 FTE The Risk Map Grant has increased staffing from 2 FTE's to 3
CA	Yes	
CT	No	State budget gap has not allowed us to rehire a supervisor for our program. We currently share a supervisor with 2 other programs (wetlands management and enforcement).
DC	Yes	The Map Mod process starting in 2003.
DE		
GA	No	Additional FEMA funding
ID	No	Extremely high population growth rates in parts of Idaho between 2003 and 2007 resulted in many violations, need for training of local floodplain administrators and elected officials, huge demand for technical assistance. FEMA's CAP grant and therefore the state match, were reduced in 2009, resulting in a loss of FTEs for CAP. The state does not provide funding above the required match.
IL		
IN	No	No impact at this point
KS	No	Funding levels from the state have remained constant since 2003 but has been adequate to take advantage of available grant funding from FEMA in the CAP and MMMS programs.
KY	No	
LA		Katrina/Rita State Budget
MD	No	FEMA' Map MOD program has over loaded the current staff with extra responsibilities and duties. Every community must go through new ordinance adoption. Each community must be assessed for new data and political boundary changes to put on the maps, and each community must be educated for community outreach, map adoption processes, and regulation changes for the first time in 25 years.
MO		Lack of state funding and declining state budgets. Increased emphasis on floodplain mapping.
MS		economic downturn
MT	Yes	No additional increase in salaries has been in effect since 2008 due to the economic down turn felt throughout the nation. Freeze on state spending.
NC	No	CAP funding has been stagnant. Leveraging mapping staff for floodplain management assistance.
NE	No	Agency budgets established by legislature.
NJ		Hiring freeze. State Budgetary constraints. As individuals retire they are not being replaced.
NM	No	State of New Mexico has a budget deficit of 500 million going into 2010. We State employees have five (5) furlough days this fiscal year.
NV		Budget cuts have required all state employees to take 8 hours of furlough leave per

State	138.2. Budget on Basis of Assessment	139. External Factors or Events
		month.
NY	No	Regardless of federal funding, the state has long limited hiring. Even with added federal funds, the state will not add more staff, especially when there is a state match required.
OH	No	>40% reduction primarily due to career opportunities elsewhere.
OK		Has grown since 2003 as has the importance/awareness of floodplain management.
PA	Yes	Capital budget cuts
PR	Yes	None external factors
SC	Yes	Match, FEMA Regional priorities not matching state priorities. Regional priorities out of sync with national direction and guidance.
TN	No	Staff shortages due to cuts in budget.
UT	Yes	Additional responsibilities received by various employees.
VT	Yes	Not sure if this meets the "external" definition: FEMA's MapMod initiative created a tremendous amount of work for our state. Even though FEMA provided funding for additional positions, it has been insufficient. Specifically, the workload created before and after new maps become effective is tremendous, and substantially detracts from our core floodplain management objectives. The "fallout" created by new DFIRMs for entire counties is so great, that it warrants an FTE to simply deal with the flurry of inquiries regarding flood insurance purchase requirements and LOMA requirements. Most citizens would rather talk to someone at the state than call the FEMA Map Assistance Center.
WA	No	Budget reductions have resulted in reduced funding for mitigation grant projects and in the past year reduction in staff.
WI	Yes	state budget cutbacks affecting travel, training, equipment; state staff take eight furlough days per year; currently have two unfilled positions in program
WY	Yes	Potential for budget cuts, but the program has not yet been cut.

140. What is the approximate total annual budget for your floodplain management program based on the following resources? (Enter a Zero “0” if none)

State	State Funding	FEMA Funding under the CAP	CTP FEMA Funding	Grant Programs (e.g. cost-sharing mitigation funding)	Alternative Sources (e.g. fees for state permits, surcharge on local permit fees, surcharge or tax on flood insurance policies, fees on property sales)	Other Funding Sources
AL	46,000	140,000	0	0	0	0
AR	100,000	170,000	0	0	0	0
AZ	120,000	150,000	0	0	0	140,000
CA	2,000,000	450,000	2,000,000	0	0	1,000,000
CO	450,000	112,000	1,000,000			
CT	64,333	193,000	0	50,000	0	0
DC	10,000	30,000	30,000	0	0	0
DE	50,000	100,000	250,000	500,000	0	0
GA	46,000	138,000	5,000,000	0	0	0
HI	274,000	92,000	140,000	0	0	0
ID	30,000	90,000	135,000	0	0	0

State	State Funding	FEMA Funding under the CAP	CTP FEMA Funding	Grant Programs (e.g. cost-sharing mitigation funding)	Alternative Sources (e.g. fees for state permits, surcharge on local permit fees, surcharge or tax on flood insurance policies, fees on property sales)	Other Funding Sources
IL	6,500,000	300,000	3,000,000	0	0	0
IN	50,724	150,220	1,200,000	0	0	0
KS	78,000	142,000	133,000	100,000	0	0
KY	350,000	130,000	150,000	50,000	0	0
LA	77,291	231,871	0	0	0	0
MD	157,000	110,000	1,000,000	0	0	0
MO	69,000	208,000	4,000,000	0	0	0
MS	90,000	270,000				
MT	200,000	100,000	100,000	0	0	0
NE	558,000	91,000	222,000	0	0	0
NH	34,667	104,000	123,000	0	0	0
NJ	250,000	249,000	100,000	0	0	6,000,000
NM	15,000	60,000				
NV	25	75	0	0	0	0
NY	176,550	535,000	150,000	0	0	0
OH	503,000	317,000	700,000	0	0	0
OK	95,000	285,000	60,000	0	200	0
PA	100,000	165,000	90,000	0	0	0
PR	0	64,600	37,500	0	0	0
RI	19,400	89,000	85,888	0	0	0
SC	60,000	125,000	3,000,000	300,000	0	15,000
TN	46,000	138,000	65,000	0	0	0
UT	25,000	100,000	100,000	0	0	0
VT	50,000	150,000	124,333	0	0	0
WA	2,000,000	128,000	120,000	0	0	0
WI	600,000	155,000	1,500,000	3,000,000	0	0
WY	21,930	65,790	0	0	0	0

140.1. Please list the name and approximate amount of any grants that contributed to your annual budget. Grant name/amount:
140.2. Please list the name and approximate amount of any other funding sources that contributed to your annual budget. Other sources name/amount:
141. Please estimate your total budget allocated in each of the areas below.

State	140.1. Grant Name/Amount:	140.2. Other Sources Name/Amount:	141. Budget Estimate		
			State	Salaries and Fringe Benefits	Travel
AL			AL	85,000	15,000
AR	n/a	n/a	AR	160,000	20,000
AZ		Risk Map Grant - $140,000	AZ	99	1

State	140.1. Grant Name/Amount:	140.2. Other Sources Name/Amount:	141. Budget Estimate		
			State	Salaries and Fringe Benefits	Travel
CA			CA	3,000,000	
CO			CO	78,000	30,000
CT	HMA/PDM Mgmt Cost $30K, FMA TA $20K	none	CT	245,581	5,000
DC			DC	0	10,000
DE	FMA		DE	125,000	5,000
GA	N/A	N/A	GA	174,000	2,600
HI			HI	272,000	22,000
ID	CAP-SSSE $90,000 CTP/RiskMAP $135,000		ID	161,353	7,089
IL			IL	4,500,000	158,000
IN		Other than the CAP and CTP funding, the rest of the funding source comes out of the State general fund.	IN	188,694	4,600
KS		None	KS	280,000	20,000
KY			KY	650,000	30,000
LA	CAP/SSSE - $231,871	State Budget - $77,291	LA	286,661	16,000
MD			MD	160,000	1,000
MO			MO	136,500	30,000
MS			MS		43,477
MT			MT	160,000	4,000
NC			NC		
ND			ND		
NE	CAP-SSSE -$91000		NE	565,000	18,000
NH			NH	98,470	3,225
NJ		$6,000,000 yearly appropriation to State budget for cost share with UASAE on large flood control projects.	NJ	400,000	15,000
NM			NM		
NV			NV	110,000	4,700
NY			NY	671,534	15,000
OH	as above		OH	543,000	6,000
OK			OK	275,000	30,000
PA			PA	125,000	7,500
PR	n/a	n/a	PR	0	0
RI			RI	173,163	6,583
SC	FMA, CAP. MMMS. CTP	Revenue generated from workshops	SC	90,000	5,000
TN	CAP: $138,000 MMMS: $65,000		TN	0	0
UT	CAP-SSSE, MMMS, and State in-kind match.	0	UT	120,000	20,000
VT			VT	242,524	8,335
WA			WA	465,000	20,000

State	140.1. Grant Name/Amount:	140.2. Other Sources Name/Amount:	141. Budget Estimate		
			State	Salaries and Fringe Benefits	Travel
WI	Municipal Flood Control Grant - 3000000		WI	700,000	55,000
WY			WY	66,900	14,500

143. What is your floodplain management program's current budget status compared to last year's based on state and federal funding sources?

State	State Program	Federal	Other
AL	No Change	No Change	No Change
AR	No Change	No Change	No Change
AZ	No Change	No Change	
CO	No Change	No Change	
CT	No Change	No Change	No Change
DC	No Change	Increase	
DE	No Change	No Change	
GA	No Change	No Change	
ID	Decrease	Decrease	
IL	No Change	No Change	No Change
IN	No Change	No Change	
KS	No Change	Increase	No Change
LA	No Change	No Change	
MD	No Change	No Change	
MO	No Change	No Change	
MS	No Change	No Change	
MT	No Change	No Change	
NE	No Change	Increase	
NH	No Change	No Change	
NJ	No Change	No Change	
NM	Decrease	Decrease	
NV	Increase	Increase	
NY	No Change	Increase	No Change
OH	Increase	Increase	No Change
OK	No Change	No Change	
PA	Decrease	Increase	
PR	No Change	Increase	
RI	No Change	No Change	
SC	Decrease	Decrease	
TN	No Change	No Change	No Change
UT	No Change	No Change	No Change
VT	Increase	Increase	
WA	Decrease		
WI	Decrease	Increase	No Change
WY	No Change	No Change	

144. Other state agencies may be involved in statewide floodplain management activities. Please provide your best estimate of the staffing and funding levels dedicated to floodplain programs in those agencies.

State	Agency 1	Agency 1 - # FTEs in FPM	Agency 2	Agency 2 - # FTEs in FPM	Agency 3	Agency 3 - # FTEs in FPM	Agency 4	Agency 4 - # FTEs in FPM
AZ	Arizona Division of Emergency Management	1						
CT	Dept. of Emergency Management and Homeland Security							
DC	DC Homeland Security and Emergency Management Agency	1						
GA	N/A		N/A		N/A		N/A	
ID	Idaho Bureau of Homeland Security	0.5						
IL	IL Emergency Management	2						
KS	Kansas Dept. of Health and Environment		Kansas Water Office	1	State Conservation Commission	1		
MD	Maryland Emergency Management Agency	2	MD Dept. of Natural Resources	3				
MT	Dept of Transportation	2	Dept Emergency Services	1	Dept of Environmental Quality	2	Dept of Natural Resources	4
NE	Nebraska Emergency Management Agency		Nebraska Department of Roads		Nebraska Department of Environmental Quality			
NJ	NJDEP Land Use Regulation Program	25						
OH	EMA	5						
OK	Dept. of Transportation							
PA	Environmental Protection	Unknown	PEMA	2	DCNR	1		
PR	Department of Natural and Environmental Resources		Permits and Regulations Administration					
RI	State Building Commissioner	4	RI Coastal Resources Management Council	2	RI Department of Environmental Management	6	University of Rhode Island	3
SC	Office of Coastal Management	1						
UT	N/A	0	N/A	0	N/A	0	N/A	0
VT	Agency of Natural Resources	0.3						

State	Agency 1	Agency 1 - # FTEs in FPM	Agency 2	Agency 2 - # FTEs in FPM	Agency 3	Agency 3 - # FTEs in FPM	Agency 4	Agency 4 - # FTEs in FPM
WA	WA Military Dept., Emergency Management Division	6	WA Dept. of Commerce	1.5	WA Dept. of Transportation	3	WA Dept. of Natural Resources	1
WY	State Engineers Office	2						

145. Does your state cost share local floodplain management programs?
146. Does your state cost share local flood loss reduction projects?
147. Does your state cost share local floodplain resource protection or restoration projects or programs?

State	145. Cost Share FPM Programs	146. Cost Share Flood Loss Reduction Projects?	147. Cost Share Floodplain Resource Protection or Restoration Projects or Programs?
AL	No	No	No
AR	No	No	No
AZ	No	No	No
CA	Yes	Yes	Yes
CO	No	Yes	Yes
CT	No	Yes	No
DC	Yes	No	No
DE	No	Yes	No
GA	No	No	No
HI	Yes	No	No
ID	No	No	No
IL	No	No	No
IN	No	No	No
KS	No	No	Yes
KY	No	No	No
LA	No	Yes	No
MD	No	Yes	Yes
MO	No	No	No
MS	No	No	No
MT	No	No	Yes
NC	No	No	No
ND	No	Yes	No
NE	No	Yes	Yes
NH	No	No	No
NJ	No	No	No
NV	No	No	No
NY	No	No	No
OH	No	No	No
OK	No	No	No
PA	Yes	Yes	Yes
PR	No	Yes	No
RI	No	No	No
SC	No	No	No

State	145. Cost Share FPM Programs	146. Cost Share Flood Loss Reduction Projects?	147. Cost Share Floodplain Resource Protection or Restoration Projects or Programs?
TN	No	No	No
UT	No	No	No
VT	No	No	Yes
WA	No	Yes	Yes
WI	No	No	No
WY	No	No	No

PRINCIPLE 10:
Evaluation of the effectiveness of states' floodplain management programs is essential and successes should be documented.

148. Does your state have defined management outcomes for floodplain management or floodplain resource protection?
148.1. Which management outcomes has your state defined for floodplain management or floodplain resource protection?

State	148. Defined Outcomes?	Which Outcomes?				
		Lower actual flood losses (direct & indirect)	Lower potential for future losses (direct & indirect)	Improved floodplain functions & resources	Increased (FP) acreage in open space	Other
AL	No					
AR	No					
AZ	No					
CA	Yes					
CO	Yes					
CT	No					
DC	Yes					
DE	No					
GA	No					
HI	No					
ID	No					
IL	No					
IN	Yes				X	
KS	No					
KY	No					
LA	No					
MD	Yes					no net loss of wetlands
MO	Yes					
MT	No					
NC	No					
ND	No					
NE	No					
NH	No					
NJ	No					
NV	No					
NY	No					
OH	Yes				X	
OK	No					
PA	No					
PR	No					
RI	No					
SC	No					
TN	No					

State	148. Defined Outcomes?	Which Outcomes?				
		Lower actual flood losses (direct & indirect)	Lower potential for future losses (direct & indirect)	Improved floodplain functions & resources	Increased (FP) acreage in open space	Other
UT	No					
VT	Yes				X	
WA	No					
WI	No					
WY	No					

148.2. Have you established any of the following measures to identify losses and costs toward evaluating the defined management outcomes?

State	Direct losses (e.g.):						
	Physical Damage Sustained by Buildings – Cost of Repairs	Loss of Personal Belongings and Business Inventory	Physical Damage of Government Buildings (e.g., waster water plants)	Catastrophic Losses due to Failure of Flood Control Levees, Floodwalls, or Dams	Costs of Repairs to Infrastructure, Including Provision of Temporary Services	None Established	Other
DC						X	
IN						X	
MD						X	
OH	X		X		X		

State	Indirect Losses (e.g.):							
	Costs for Emergency Response (e.g., evacuation, search and rescue operations, and police and fire patrols)	Costs for Recovery (e.g., capital projects postponed, loss of government services)	Costs Associated with Loss of Use/Access of Buildings (e.g., lost business income, lost tax revenue, and lost wages)	Reduced Property Values and Home Values for Flooded Areas	Increased Health Risks, Costs of Treating or Importing Potable Water, and Environmental Costs Associated with Cleanup after Floods	Health Problems due to Persistent Mold from Frequent or Prolonged Inundation	None Established	Other
DC							X	
IN							X	
MD							X	
OH								FEMA

148.3. Has your state tracked, inventoried or gathered information for any of the following in order to develop baseline metrics for measuring progress?

State	Flood-prone Lands – Amount, Types	Developed Flood-prone Lands in Flood Hazard – Amount, Types	Potential Growth (undeveloped) Flood-prone Lands – Amount, Location	Protected or Preserved Flood-prone Lands – Amount, Types	"At-risk" Flood-prone Structures – Amount, Types, Location & Value	Post-flood Information – Community, Year, Water-body, Structures Affected	Mitigation Costs, Efforts and Results	Documented Damage, Losses, Cost of Repairs, Including Personal Property	None Tracked, Inventoried or Collected
DC									X
IN									X
MD							X		
OH						X	X		
VT				X					

148.4. Does your state evaluate progress towards the management outcomes?
148.4.1. How does your state measure its progress towards these management outcomes?

State	148.4. Evaluate?	148.4.1. How does your state measure its progress towards these management outcomes?									
		Fewer At-risk Buildings in Floodplains	Home and Business Owners Have More Money More Quickly after a Flood Due to Increased Purchase of Insurance	Increased Attractiveness and Higher Property Values near Open Space and Recreation	Fewer Critical Facilities in Floodplains	Reduced Losses and Flood Costs	Enhanced Fisheries and Reduction of Sediment Loading	Savings to U.S. Treasury and Taxpayers for Fewer Casualty Losses, Disaster Declarations, Emergency Costs	Improved Water Quality, Natural Storage, Filtration and Groundwater Recharge	Preserved Natural Habitats, Forests, Wetlands	Other
CA	Yes										
CO	Yes										
DC	No										
IN	No										
MD	No										
MO	Yes	X				X					ordinance adoption and new communities joining the NFIP have reduced losses
OH	Yes	X				X					
VT	Yes	X					X		X	X	

149. Has your state evaluated the effectiveness of its state floodplain management and/or floodplain resource protection program?
149.1. Which of the following areas have you evaluated for effectiveness of your state floodplain management program and/or floodplain resource protection?
149.4. Why was your program reviewed?

		149.1. Areas Evaluated				149.4 Why?		
State	149. Evaluated?	State Agencies Compliance	Floodplain Mgt. Program Operations and Activities	How the State Floodplain Mgt. Program's work is Affecting Floodplain Mgt. Outcomes throughout the State.	Other	Legislative Mandate	Strategic Planning Compliance	Other
AL	No							
AR	No							
AZ	No							
CA	Yes							
CO	No							
CT	No							
DC	No							
DE	No							
GA	No							
HI	No							
ID	No							
IL	No							
IN	No							
KS	No							
KY	No							
LA	No							
MD	Yes				wetlands and wetland mitigation			grant
MO	No							
MT	No							
NC	No							
ND	No							
NE	No							
NH	No							
NJ	No							
NV	No							
NY	No							
OH	Yes	X	X	X			X	
OK	Yes		X	X			X	
PA	No							
PR	No							
RI	No							
SC	No							
TN	No							
UT	Yes	X	X	X				

State	149. Evaluated?	149.1. Areas Evaluated				149.4 Why?		
		State Agencies Compliance	Floodplain Mgt. Program Operations and Activities	How the State Floodplain Mgt. Program's work is Affecting Floodplain Mgt. Outcomes throughout the State.	Other	Legislative Mandate	Strategic Planning Compliance	Other
VT	No							Voluntary Review by Governor's office
WA	No							
WI	No							
WY	No							

149.5. How was the program evaluation conducted?
149.6. How was the program evaluation documented?
149.7. Is an evaluation part of continual process to check the status of state and/or local programs and properties?
149.8. How does your state adjust the floodplain management program based on the evaluation?
149.10. Were your state's efforts to measure outputs and evaluate floodplain management program expectations helpful in building a more effective program?
149.10.1. Please explain.

State	149.5.				149.6.				149.7.	149.8.	149.10.	149.10.1.
	Personal Interviews	Mail Surveys	GAP Analysis	Other	Report Hard Copy/Electronic	Spreadsheet	Database	Other				
CA									Yes		Yes	
MD				field and office			X		No	Adjusted program for wetlands as floodplain resource.	No	
OH	X		X		X				Yes	implementation varies with extent.	Yes	Relatively permanent: mission, objectives, & strategy further clarified, while efficacy of elements (executions) & tactics (tasks) reported, examined, adjusted, proposed, prioritized, & implemented.

State	149.5.				149.6.				149.7.	149.8.	149.10.	149.10.1.
	Personal Interviews	Mail Surveys	GAP Analysis	Other	Report Hard Copy/Electronic	Spreadsheet	Database	Other				
OK	X								No		Yes	Compare to years past and always strive to make improvements.
UT			X			X			No	No adjustment--just more work.	Yes	Addition work and responsibilities were recognized and addressed.

150. Has your state used FEMA's CAP-SSSE GAP analysis to close any gaps in NFIP-related activities?
150.1. Please explain.

State	150. FEMA's CAP-SSSE GAP?	150.1. Please explain
AL	No	
AR	No	
AZ	Yes	ADWR has participated in the FEMA CAP-SSSE GAP analysis in years past but have not been successful in securing funds for additional staff.
CA	Yes	
CO	No	
CT	No	
DC	Yes	We just started this year (2010)
DE	Yes	
GA	No	
HI	No	
ID	No	
IL	Yes	Used the GAP Analysis as required by FEMA. Found the tool to be flawed.
IN	No	
KS	No	
KY	No	
LA	No	
MD	No	
MO	Yes	The Business plan and
MT	Yes	If we notice a shortfall in one of our activities we try to work it into our next year CAP-SSSE SOW and if needed, incorporate it in our 5 year plan
NC	No	
ND	No	
NE	Yes	The FY2009 Gap analysis was difficult to complete. We are tracking hours for FY2010 according to the Gap analysis tasks. This may allow us to evaluate our CAP program starting in FY2011.
NH	Yes	
NJ	No	
NV	No	
NY	No	

State	150. FEMA's CAP-SSSE GAP?	150.1. Please explain
OH	No	
OK	No	
PA	Yes	PA has a contract process with County Conservation Districts to conduct CACs, CAVs and other NFIP technical assistance related activities
PR	No	
RI	Yes	
SC	Yes	
TN	No	
UT	Yes	Per Risk Map activities.
VT	No	
WA	No	
WI	No	
WY	Yes	Initial analysis has been done to identify needs and potential areas for modification.