

TABLES OF DATA

Appendix to
FLOODPLAIN MANAGEMENT 2003
State and Local Programs



Produced by the
Association of State Floodplain Managers, Inc.

2004

Introduction

The tables in this Appendix compile data obtained through a questionnaire mailed to the National Flood Insurance Program Coordinators in all 50 states, the District of Columbia, and Puerto Rico. The questionnaire consisted of 38 pages 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 each state's jurisdiction. Responses were received from 49 states, the District of Columbia, and Puerto Rico (a response rate of 98%). No response was received from Iowa. Supplemental information was obtained from various federal, state, local, and private sources, and other published material.

The Appendix is a supplement to *Floodplain Management 2003: State and Local Programs*, a report prepared by the Association of State Floodplain Managers, Inc. (with funding from the Federal Emergency Management Agency and the ASFPM Foundation), which updates similar reports released in 1988, 1992, and 1995. These periodic assessments review the status of floodplain management at state and local levels throughout the United States. The tables of data presented in this Appendix are referred to and interpreted in the main 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 were edited for the sake of clarity or brevity.

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Table A1. Location of and priority given to floodplain management program within states.

State	Type of State Department or Agency				Priority given to floodplain management		
	Natural Resources/ Environmental Protection	Emergency Management/ Military	Planning/ Community Development	Other	High	Med	Low
AK			X				X
AL			X		X		
AR	X					X	
AZ		X					X
CA	X					X	
CO	X					X	
CT	X					X	
DC	X					X	
DE	X						X
FL			X		X		
GA	X						X
HI	X						X
ID	X						X
IL	X						X
IN	X					X	
KS	X						X
KY	X					X	
LA				Transportation & Development		X	
MA	X						X
MD	X						X
ME			X				X
MI	X					X	
MN	X				X		
MO		X				X	
MS		X					X
MT	X						X
NC		X				X	
ND	X						X
NE	X					X	
NH		X				X	
NJ	X						X
NM		X					X
NV	X						X
NY	X						X
OH	X					X	
OK	X					X	
OR			X				X
PA			X		X		X
PR			X			X	
RI		X					X
SC	X						X
SD		X					X
TN			X				X
TX	X						X
UT		X					X
VA	X						X
VT	X						X
WA	X					X	
WI	X					X	
WV		X					X
WY		X					X
total	31	11	8	1	4	18	30

Table A2. Breakdown of focus of state floodplain management programs.

State	State Permit Review (% of staff time)	Monitoring Local Programs (% of staff time)	Technical Assistance to Local Governments (% of staff time)	Mapping or Engineering	Promoting Sale of Flood Insurance (% of staff time)	Education and Training (% of staff time)	Property Owners (% of staff time)	Enforcement (% of staff time)	Helping with Enforcement of Local Ordinance (% of staff time)	Grant Programs (% of staff time)	Other (includes mitigation) (% of staff time)
AK	5	15	20	5	2	10	3	1	10	5	24
AL	1	30	30	2	1	15	5	5	5	2	4
AR	0	20	20	0	0	60	0	0	0	0	0
AZ	0	25	20	0	0	30	5	10	5	5	0
CA	0	5	10	50	0	20	5	5	5	0	0
CO	0	5	10	20	5	10	0	0	5	5	40
CT	15	30	15	5	0	0	5	5	5	15	25
DC	15	5	10	0	5	10	5	10	0	40	0
DE	0	15	20	20	0	10	15	0	10	10	0
FL	5	5	15	5	5	20	20	5	10	10	0
GA	0	35	15	5	0	25	10	0	0	0	10
HI	5	50	20	10	0	5	5	0	0	5	0
ID	0	20	20	0	0	25	25	0	10	0	0
IL	25	5	10	35	1	5	2	10	5	2	75
IN	65	5	5	5	0	5	0	5	0	10	0
KS	10	10	15	10	0	15	10	10	10	10	0
KY	25	15	10	10	5	10	5	5	5	10	0
LA	0	35	30	5	0	20	0	0	10	0	0
MA	0	30	20	5	0	20	10	0	0	15	0
MD	25	10	10	5	1	5	4	10	10	20	0
ME	3	12	25	14	22	8	0	3	1	1	11
MI	65	5	5	5	0	5	10	5	0	0	0
MN	10	20	15	3	2	10	5	5	10	15	5
MO	5	20	15	5	5	20	10	0	10	5	5
MS	0	25	5	5	5	25	5	0	20	0	10
MT	0	3	35	5	1	5	35	10	5	1	0
NC	0	20	20	20	0	20	10	5	5	0	0
ND	0	10	30	10	0	20	5	0	10	0	15
NE	0	0	50	20	2	2	2	2	2	20	0
NH	20	25	20	5	0	5	5	0	0	20	20
NJ	0	15	5	20	0	5	5	0	0	0	50
NM	10	10	10	10	10	10	10	10	10	10	0
NV	0	20	30	0	0	25	0	0	0	25	0

State	State Permit Review (% of staff time)	Monitoring Local Programs (% of staff time)	Technical Assistance to Local Governments (% of staff time)	Mapping or Engineering	Promoting Sale of Flood Insurance (% of staff time)	Education and Training (% of staff time)	Property Owners (% of staff time)	Enforcement (% of staff time)	Helping with Enforcement of Local Ordinance (% of staff time)	Grant Programs (% of staff time)	Other (includes mitigation) (% of staff time)
NY	5	25	30	20	0	10	3	3	4	0	0
OH	0	15	25	10	5	10	0	5	10	20	5
OK	5	7	30	1	5	35	4	0	4	5	4
OR	0	25	25	0	0	25	0	0	25	0	0
PA	0	0	90	0	0	5	0	0	2	3	3
PR	0	0	0	0	0	0	0	0	0	0	0
RI	10	4	26	0	1	15	15	10	3	8	8
SC	2	15	40	10	5	15	2	1	5	5	0
SD	0	0	20	5	5	5	5	0	30	20	10
TN	0	5	70	0	0	10	0	0	10	5	0
TX	0	10	20	5	5	20	10	0	10	20	10
UT	0	10	10	0	0	10	40	0	20	10	0
VA	15	17	25	10	0	10	10	2	0	9	2
VT	2	25	10	5	0	10	25	0	10	5	0
WA	0	25	15	10	0	10	6	4	5	25	10
WI	0	25	35	20	5	10	0	5	0	0	0
WV	0	5	20	5	10	25	10	5	10	5	5
WY	0	3	8	0	10	25	10	0	0	44	44

Table A3. Foundations of state and local floodplain management authority.

State	State law requires review & approval of proposed activities that would modify or alter floodplain	State law requires review by state of proposed activities	State law requires review by community of proposed activities	Governors' Executive Orders		
				Floodplain Management	Wetlands	Hazard Mitigation
AK				X	X	X
AL				X		X
AR						
AZ	X		X	X		X
CA	X	X	X	X	X	X
CO				X		
CT	X	X		X	X	X
DC	X	X				
DE	X			X	X	
FL	X			X	X	X
GA				X		
HI						
ID						
IL	X	X		X		
IN	X	X		X		
KS	X	X				
KY	X	X	X	X	X	
LA				X		
MA	X			X	X	
MD	X	X			X	X
ME		X	X	X		
MI	X			X	X	X
MN	X		X	X	X	X
MO				X		
MS				X		X
MT	X	X	X			
NC				X		X
ND				X		
NE			X			
NH				X	X	X
NJ	X	X				X
NM				X		X
NV						
NY				X	X	
OH	X			X	X	X
OK	X	X				
OR						X
PA	X	X		X	X	X
PR	X	X				
RI	X	X	X		X	X
SC				X		X
SD						
TN			X	X	X	
TX						
UT						
VA	X		X	X	X	X
VT	X	X		X		
WA	X		X	X	X	
WI	X	X				
WV				X		
WY	X		X	X	X	
TOTALS	26	17	11	33	19	20

Table A4. Exemptions from local floodplain management authority within the states.

State	State property	Federal Property	Other local gov'ts	Agriculture	Public Utilities	Private Utilities	Small Projects (<\$50,000)	Small Drainage Basins (<2 sq mi)	Transportation Facilities	Mining	Forestry	Other
AK	X	X										
AR	X	X		X								
AZ									X		X	
CA	X	X		X				X		X	X	
CO				X								
CT	X	X	X									
DC		X										Fed. property and facilities are exempt by DC law from obtaining a building permit for construction activity, but not exempt from compliance with sediment and stormwater management regulations.
DE		X										
FL		X										
GA	X											
HI				X								
ID				X								
IL				X			X					
IN		X										
KS						X						
KY								X				
LA		X										
MA	X	X										
MD	X					X			X	X	X	
ME												
MI				X		X		X		X	X	
MN												
MO				X					X			
MS		X										
MT												
NC	X	X							X			
ND												
NE												
NH												
NJ	X	X										

State	State property	Federal Property	Other local gov'ts	Agriculture	Public Utilities	Private Utilities	Small Projects (<\$50,000)	Small Drainage Basins (<2 sq mi)	Transportation Facilities	Mining	Forestry	Other
NM	X	X		X	X		X	X				
NV	X											
NY	X	X			X							
OH		X			X	X	X	X				Manufactured home park development or expansion; hazardous waste disposal facilities, power facilities (limited)
OK		X		X								
OR	X	X		X	X						X	
PA	X				X	X			X			
PR				X								
RI	X	X	X		X		X		X			Some recreational uses.
SC					X	X						
SD												
TN	X	X		X					X		X	
TX	X											
UT												
VA	X	X		X								
VT		X		X							X	
WA		X										
WI	X	X										
WV	X											
WY								X				
WY	X	X										
Total	21	25	2	15	10	3	4	6	7	3	7	

Table A5. Consistency and coordination of floodplain management standards within the states.

State	Do state projects need local development permits?	Do state projects need permits from other state agencies?	Rise in 100-year flood elevation allowed for state roads, bridges, culverts				State agencies prohibited from constructing in the floodway?
			No rise	1-foot rise	FIS floodway table increase allowed	Rise allowed is site	
AK	No	Yes				X	No
AL	No	No	X				Yes
AR	No	Yes	X				No
AZ	No	No	X				Yes
CA	Yes	Yes	X				Yes
CO	Yes	Yes				X	No
CT	No	Yes	X				Yes
DC	No	Yes	X				Yes
DE	No	No	X				No
FL	Yes	Yes	X				No
GA	No	Yes		X			No
HI	Yes	Yes	X				Yes
ID	Yes	No					No
IL	No	Yes	X				No
IN	Yes	Yes	X				No
KS	Yes	Yes		X			No
KY	Yes	Yes		X			Yes
LA	Yes	Yes		X	X		No
MA	No	No	X				No
MD	Yes	Yes	X				No
ME	Yes	No				X	No
MI	No	Yes				X	No
MN	No	No		X			Yes
MO	No	Yes				X	No
MS	Yes	Yes	X				No
MT	Yes	Yes			X		Yes
NC	No	Yes					Yes
ND	Yes	No		X	X		No
NE	Yes	No			X		No
NH	No	Yes	X				Yes
NJ	No	Yes			X		Yes
NM	No	No	X			X	Yes
NV	No	No					No
NY	No	No	X				No
OH	Yes	Yes	X				No
OK	No	Yes		X			No
OR	Yes	Yes	X				No
PA	Yes	Yes	X			X	Yes
PR	Yes	Yes		X			Yes
RI	Yes	No	X				Yes
SC	No	Yes		X			No
SD	Yes	Yes		X			Yes
TN	No	Yes					No
TX	No	No					No
UT	No	No			X		No
VA	No	Yes		X			Yes
VT	Yes	Yes				X	No
WA	Yes	Yes			X	X	No
WI	Yes	No		X			Yes
WV	Yes	No		X			No
WY	Yes	Yes	X				No
WY	No	Yes	X				No
totals	Y=26	Y=35	23	13	7	9	Y = 19

Table A6. State adherence to NFIP minimum requirements.

State	Requirements of 44 CFR 60.25 NOT being met	Instances of state not meeting NFIP minimums?	Explain
AK	60.25 (9) No specific state standards directed at environmental and	Yes	State airports lease properties and have not adhered to or passed on FPM requirements to lease holders. Building on airport (floodplain) property. Probably many occasions as one person cannot monitor state development activity.
AL		No	
AR		No	
AZ		Yes	Department of Transportation has not always used 100 year standards for drainage studies. Some schools are in flood hazard areas.
CA		Yes	School districts.
CO		Yes	For budget considerations.
CT		Yes	
DC		No	
DE		No	
FL		No	
GA		No	
HI		No	
ID	#9 - State minimum standards	No	
IL		Yes	There are several state violations.
IN		Yes	
KS		No	
KY		No	
LA		Yes	
MA		Yes	
MD		Yes	Instances are rare, but some state building inspectors do not want to enforce floodplain regulations.
ME		Yes	
MI		Yes	Department of Corrections, MI DOT
MN		No	
MO		Yes	
MS		Yes	MDOT, Bridge Division.
MT		No	
NC		Yes	NCDOT project not submitted through community and completed projects are not submitted for LOMRs.
ND		Yes	State Dept. of Transportation. Agency not gearing-up to address floodplain management. Few hydraulically competent engineers which results in short-cuts, oversights, non-compliance with GHWA funding guidelines.
NE		No	
NH		Yes	
NJ	60.4 Floodplain management for mudslide, 60.5 Floodplain mgmt for erosion prone areas.	Yes	Dept. of Community Affairs construction and sub-code officials are not required to enforce NFIP floodplain management and the DCA has adopted a Rehabilitation Code that does not conform with the NFIP substantial improvement regulations in SFHAs

State	Requirements of 44 CFR 60.25 NOT being met	Instances of state not meeting NFIP minimums?	Explain
NM		No	
NV		Yes	
NY		Yes	Because they are self regulating, it is difficult to demand compliance. There is a big push towards State assisted waterfront development. This is a real problem.
OH		Yes	There are a multitude reasons from limited resources to ignorance of requirements. Also politically it can be difficult for local to enforce with state agency. Some agencies have expressed desire to set their own risk management threshold, not 100 year focus
OK		No	
OR		No	
PA		Yes	Some agencies have dumped fill in flood fringe and floodway without permits.
PR		No	
RI		No	
SC		No	
SD		No	
TN	5,6,9 & 11	Yes	
TX		Yes	Very little building of structures. Most issues deal with road construction. State and federal government are working to rectify this problem.
UT		No	
VA		No	
VT		Yes	Our building division has ignored flood area standards on occasion over the years.
WA		No	Not within the past 10 years.
WI	44 CFR 60.25 (b) (5),	No	
WV		Yes	
WY		No	
total		26	

Table A7. Level of coordination between state floodplain management program and other state programs/agencies.

State	State Dam Safety Program						State Soil Erosion Program						State Wetlands Program						State Stormwater Management Program					
	H/O	Fre	Occ	R	N		H/O	Fre	Occ	R	N		H/O	Fre	Occ	R	N		H/O	Fre	Occ	R	N	
AK			X						X													X		
AL			X						X													X		
AR			X					X													X			
AZ		X							X												X			
CA			X						X												X			X
CO	X								X												X			
CT		X							X													X		
DC					X								X								X			
DE		X							X												X			
FL	X								X															
GA	X								X													X		
HI	X						X														X			
ID			X								X											X		
IL	X									X											X			
IN			X						X														X	
KS	X							X													X			X
KY	X							X													X			X
LA																								X
MA		X																			X			
MD	X								X												X			
ME			X							X														X
MI	X								X												X			
MN			X						X															
MO			X						X													X		
MS	X																					X		
MT																								X
NC									X													X		
ND																						X		
NE	X																					X		
NH		X							X													X		
NJ	X								X													X		
NM		X																			X			

State	State Dam Safety Program					State Soil Erosion Program					State Wetlands Program					State Stormwater Management Program					
	H/O	Fre	Occ	R	N	H/O	Fre	Occ	R	N	H/O	Fre	Occ	R	N	H/O	Fre	Occ	R	N	
NV			X		X										X						X
NY	X							X													
OH	X							X													
OK			X					X													
OR		X						X			X										
PA						X															
PR			X					X													
RI			X					X													
SC				X					X												
SD					X					X											
TN				X																	
TX			X					X													
UT			X					X													
VA			X						X												
VT			X																		
WA	X							X			X										
WI	X					X					X										
WV			X																		
WY		X								X											
totals	16	8	18	6	2	4	8	20	9	10	8	9	21	9	3	5	16	16	10	2	

H/O = high or ongoing

Fre = frequent

Occ = occasional

R = rare

N = never

State	State Coastal Management Program					State High Risk Erosion Program					State Building Code Program					State Shoreland Program					
	H/O	Fre	Occ	R	N	H/O	Fre	Occ	R	N	H/O	Fre	Occ	R	N	H/O	Fre	Occ	R	N	
AK	X					X															X
AL			X						X						X				X		
AR				X						X											X
AZ				X				X													X
CA		X									X								X		
CO				X																	X
CT		X						X									X				
DC	X					X					X					X					
DE	X					X									X						
FL	X									X						X					
GA				X									X								
HI	X									X						X					
ID				X											X						X
IL				X										X					X		
IN				X						X				X							
KS				X						X					X						
KY				X						X											X
LA				X						X					X						X
MA	X									X					X						X
MD				X						X					X			X			
ME			X																		
MI		X																			
MN			X																		
MO				X						X					X						X
MS				X						X					X						X
MT				X											X						X
NC		X																			
ND				X						X											X
NE				X						X											X
NH																					
NJ	X									X								X			X
NM					X																X

State	State Coastal Management Program				State High Risk Erosion Program				State Building Code Program				State Shoreland Program						
	H/O	Fre	Occ	R	N	H/O	Fre	Occ	R	N	H/O	Fre	Occ	R	N				
NV					X					X						X			
NY	X						X					X							
OH			X			X										X			
OK							X												
OR	X							X											
PA		X					X									X			
PR		X										X							
RI	X																		
SC			X					X								X			
SD																X			
TN																X			
TX			X													X			
UT																			
VA																			
VT																X			
WA	X																		
WI	X																		
WV																X			
WY																X			
total	12	7	6	5	20	6	5	11	7	20	7	7	11	10	16	7	4	7	22

H/O = high or ongoing Fre = frequent Occ = occasional R = rare N = never

Table A8. Federal agencies with which state floodplain management program coordinates (in addition to FEMA).

State	NRCS	Corps	EPA	NWS	NOAA	NPS	USGS	Others
AK	X	X					X	Dept. of Housing and Urban Development
AL	X	X		X	X		X	Dept. of Housing and Urban Development
AR	X	X	X	X				
AZ	X	X		X				
CA	X	X	X	X	X		X	
CO	X	X		X	X		X	Dept. of Transportation, U.S. Forest Service.
CT	X	X		X			X	
DC	X	X	X	X		X	X	
DE		X			X		X	
FL	X	X	X	X	X		X	U.S. Department of Interior, Federal Highway Administration. U.S. Fish and Wildlife Service
GA	X	X		X				
HI	X	X	X	X	X		X	
ID		X						
IL	X	X	X				X	
IN		X					X	
KS	X	X		X			X	
KY	X	X					X	
LA		X						
MA	X	X		X			X	
MD		X						
ME	X			X	X		X	
MI	X	X					X	
MN	X	X		X			X	
MO	X	X						
MS		X					X	
MT	X	X					X	
NC	X	X						
ND	X	X					X	
NE		X						
NH	X	X		X			X	
NJ	X	X		X			X	
NM	X	X	X	X				
NV				X			X	
NY		X						
OH	X	X	X	X			X	Economic Development Administration
OK	X	X					X	Bureau of Land Management
OR		X	X		X		X	
PA		X		X			X	
PR		X			X			
RI	X	X		X	X		X	
SC		X			X		X	
SD	X	X	X				X	
TN	X	X					X	Tennessee Valley Authority
TX	X	X	X		X		X	
UT	X	X		X			X	
VA	X	X						
VT	X	X					X	
WA	X	X	X	X	X		X	Federal Highway Administration, Bureau of Indian Affairs. Rural Development Administration
WI	X	X			X			
WV	X	X		X			X	Federal Depositors Insurance Corporation
WY		X		X				
total	37	49	12	25	14	1	36	

NRCS = Natural Resources Conservation Service
 Corps = U.S. Army Corps of Engineers
 EPA = Environmental Protection Agency

NWS = National Weather Service
 NOAA = National Oceanic and Atmospheric Administration
 NPS = National Park Service
 USGS = U.S. Geological Survey

Table A9. Number and type of staff in state floodplain management programs.

	Number of floodplain management personnel statewide	Number of personnel in floodplain management office	Engineers	Architects	Planners	Landscape architects	Clerical/administrative	Technicians	Other
IN	46	5	15	0	5	0	8	13	5, Surveyors
IL	36	2	26	0	2	0	6	0	2
MD	24	2	0	0	4	0	4	5	
MN	15	9	8	0	1	1	1	0	4, Hydrologists.
KS	14	3	8	0	1	0	0	1	4, NFIP Coordinator, Program Supervisor, Emergency Management Division (HMGP)
OH	11	11	1	0	3	0	1	0	1 GIS Specialist, 5 Environmental Specialists.
MI	11	11	8	0	0	0	1	1	1, Biologist.
KY	11	11	6	0	0	0	2	3	
CA	10	10	10	0	0	0	0	0	
WI	9	9	6	0	2	0	0	1	
WA	7.5	7.5	1	0	4	0	1	1	0.5 Hydrogeologist.
FL	7	7	1	0	5	0	1	0	
NE	6.5	6.5	3.5	0	2	0	0	1	
NJ	6	6	3	1	0	0	1	0	1, Geographer
MO	6	6	1	0	2	0	2	0	1, Manager
CO	5	5	2	0	2	0	0	1	
NY	4.75	4.75	2	0	0	0	0	0	2.75, Geographers, environmental program specialists.
NC	4.5	4.5	1	1	2	0	0.5	0	
AL	4.5	4.5	1	0	3	0	0.5	0	
LA	4	4	0	0	0	0	0	3	1, Manager-State Coordinator
VA	3	3	2	0	1	0	0	0	
SC	3	3	1	0	1	0	1	0	
ME	3	2.75	0	0	1.75	0	0.25	0	1
MA	3	3	1.5		1.5	0	0	0	
GA	3	2	0	0	0	0	2	0	1, Environmental Specialists.
DE	3	3	0	0	0	0	0	0	3, Environmental Scientists

	Number of floodplain management personnel statewide	Number of personnel in floodplain management office	Engineers	Architects	Planners	Landscape architects	Clerical/administrative	Technicians	Other
CT	3	4	0	0	3	0	0	0	
AR	3	2	1	0	1	0	1	0	
TX	2.5	2	1	0	0	0	0	0	1, Environmental Science
PR	2	2	1	0	0	0	0	0	1, Geographer
PA	2	2	0	0	2	0	0	0	
ND	2	2	0	0	2	0	0	0	
MT	2	1	1	0	0	0	0	0	1
DC	1.85	0	0.85	0	1	0	0	0	
WY	1.5	1.5	0	0	0	0	0.5	0	1, NFIP State Coordinator
OK	1.5	2	0	0	0	0	0.5	0	1, Environmental Science
HI	1.5	2	2.5	0	0	0	0	0	0.5
NV	1.3	1.3	0	0	0	0	0.5	0	0.8 Hydrologist
AK	1.25	1.25	0	0	1	0	0.25	0	
WV	1	1	0	0	0	0	0	0	1, NFIP Coordinator
VT	1	1	1	0	0	0	0	0	
UT	1	1.25	0	0	1	0	0	0	
TN	1	0	0	0	1	0	0	0	
SD	1	1	0	0	1	0	0	0	
RI	1	1	0	0	1	0	0	0	
OR	1	1	0	0	1	0	0	0	
NM	1	1.5	0	0	0	0	0	0	State Floodplain Coordinator
MS	1	1	0	0	0	0	0	0	1
ID	1	1	0	0	0	0	0	0	1, Hydrogeologist
NH	0.75	0.75	0	0	0.75	0	0	0	
AZ	0.5	0	0	0	0	0	0.5	0	
TOTAL	297.40	179.05	116.35	0.00	59.00	1.00	35.50	30.00	

Table A10. Education of state floodplain management staff.

	No. of	Post-	College	Community	Technical	Collective	Number of
IN	46	3	31	0	4	25	3
IL	36	4	20	0	6	360	2
MD	24	5	19	0	0	120	0
MN	15	5	9	1	0	405	1
KS	14	3	11	0	0	85	1
KY	11	5	3	0	0	12	0
MI	11	1	8	0	1	100	0
OH	11	4	8	0	0	94.5	8
CA	10	2	8	0	0	200	2
WI	9	2	6	0	1	125	1
WA	7.5	3.5	3	1	0	82	0
FL	7	2	6	0	0	40	0
NE	6.5	5	1.5	0	0	30	3
MO	6	0	4	0	0	25	4
NJ	6	2	3	0	0	117	0
CO	5	2	3	0	0	82	3
NY	4.75	2	2.75	0	0	30	2
AL	4.5	3	1	0	0	12	1
NC	4.5	2	2.5	0	0	26	4
LA	4	0	0	0	0	16	1
AR	3	0	3	0	0	30	3
CT	3	3	0	0	0	30	0
DE	3	1	2	0	0	30	1
GA	3	2	0	0	0	12.5	0
MA	3	2	1	0	0	45	0
ME	3	0	1.75	0	0	49	3
SC	3	0	1	0	0	27	2
VA	3	0	3	0	0	8	1
TX	2.5	0	2.5	0	0	250	1
MT	2	0	2	0	0	20	2
ND	2	0	2	0	0	30	1
PA	2	1	1	0	0	21	0
PR	2	2	0	0	0	19	0
DC	1.85	0	1.85	0	0	23	0
HI	1.5	0	3	0	0	16	1
OK	1.5	1	0	0	0	20	5
WY	1.5	0	0	0	0	2	0
NV	1.3	0	0.8	0	0	4	0
AK	1.25	0	1	0	0	23	1
ID	1	1	0	0	0	2	1
MS	1	0	1	0	0	5	1
NM	1	1	0	0	0	1	1
OR	1	1	0	0	0	5	1
RI	1	1	0	0	0	12	0
SD	1	0	1	0	0	3	1
TN	1	1	0	0	0	0	0
UT	1	0	1	0	0	9	1
VT	1	0	1	0	0	25	0
WV	1	0	0	0	0	5	1
NH	0.75	0	0.75	0	0	10	0
AZ	0.5	0	1	0	0	19	0
TOTAL	297.40	72.50	181.40	2	12	2742.00	64

Table A11. State budgets for cost-sharing with localities.

State	Does your agency cost-share for local flood loss reduction projects?	Budget for local project cost share	Does your agency cost-share for local floodplain management programs?	Budget for local program cost share	Source of project cost-share funding
AK	No	\$ 0	No	\$ 0	
AL	No	\$ 0	No	\$ 0	
AR	No	\$ 0	No	\$ 0	
AZ	No	\$ 0	No	\$ 0	
CA	Yes	\$ 0	No	\$ 0	
CO	Yes	\$ 0	Yes	\$ 300,000	Floodplain project loans.
CT	Yes	\$ 1,000,000	No	\$ 0	Bonding
DC	No	\$ 0	No	\$ 0	
DE	Yes	\$ 300,000	No	\$ 0	State General Fund.
FL	Yes	\$ 0	No	\$ 0	FL legislature provides match funds on as needed basis. State has various mitigation programs. Emergency Management Preparedness and Assistance Trust Fund funded at \$ 2M and Residential Construction Mitigation Program and FL Community Trust Program at \$ 66M Also HMGP
GA	No	\$ 0	No	\$ 0	
HI	No	\$ 0	No	\$ 0	
ID	No	\$ 0	No	\$ 0	
IL	Yes	\$ 250,000	No	\$ 0	Approx \$ 25M for flood control projects/studies.
IN	Yes	\$ 0	No	\$ 0	
KS	No	\$ 0	No	\$ 0	
KY	No	\$ 0	No	\$ 0	
LA	No	\$ 0	No	\$ 0	
MA	No	\$ 0	No	\$ 0	
MD	Yes	\$ 0	No	\$ 0	State bonds.
ME	No	\$ 0	No	\$ 0	
MI	No	\$ 0	No	\$ 0	
MN	Yes	\$ 650,000	No	\$ 0	MN legislature.
MO	No	\$ 0	No	\$ 0	
MS	No	\$ 0	No	\$ 0	
MT	No	\$ 0	No	\$ 0	
NC	Yes	\$ 0	No	\$ 0	Before 2002-2003 fiscal year, the state funded the non-federal match for HMGP and FMA project grants, but there is no money for these programs in current budget.
ND	Yes	\$ 150,000	No	\$ 0	FMA
NE	Yes	\$ 3,000,000	No	\$ 0	State General Fund appropriation.
NH	No	\$ 0	No	\$ 0	
NJ	No	\$ 0	No	\$ 0	
NM	No	\$ 0	No	\$ 0	

State	Does your agency cost-share for local flood loss reduction projects?	Budget for local project cost share	Does your agency cost-share for local floodplain management programs?	Budget for local program cost share	Source of project cost-share funding
NV	No	\$ 0	No	\$ 0	
NY	Yes	\$ 2,000,000	No	\$ 0	State Budget
OH	Yes	\$ 510,000	No	\$ 0	USEPA, ODNR, OEMA, Gov Office of App, local match.
OK	No	\$ 0	No	\$ 0	
OR	No	\$ 0	No	\$ 0	
PA	Yes	\$ 0	Yes	\$ 250,000	DEP: PA Capital Budgets and DEP Operating budget. FEMA : Special appropriations, DCED: PA Act 166, FEMA CAP
PR	No	\$ 0	No	\$ 0	
RI	No	\$ 0	No	\$ 0	
SC	No	\$ 0	No	\$ 0	
SD	No	\$ 0	No	\$ 0	
TN	No	\$ 0	No	\$ 0	
TX	No	\$ 0	No	\$ 0	
UT	No	\$ 0	No	\$ 0	
VA	Yes	\$ 110,000	No	\$ 0	Flood Insurance Surcharge - (1% surcharge on flood insurance policies are placed in the Virginia Flood Prevention & Protection Assistance Fund).
VT	No	\$ 0	No	\$ 0	
WA	Yes	\$ 3,400,000	No	\$ 0	FCAAP
WI	Yes	\$ 3,000,000	No	\$ 0	Bonding
WV	Yes	\$ 1,000,000	No	\$ 0	Approximate budget for this grant program. State rainy day fund is source.
WY	No	\$ 0	No	\$ 0	
total	Y=19		Y=2		

Table A12. State requirements for local planning.

State	State requires local planning in land development review	State has oversight of local land use planning	Does local planning include consideration of hazards?
AK			
AL			
AR			
AZ	X	X	Yes
CA	X	X	Yes
CO	X		
CT	X		
DC	X	X	Yes
DE			
FL	X	X	Yes
GA		X	Yes
HI	X		Yes
ID			
IL			
IN			
KS			
KY			
LA			
MA			
MD	X	X	Yes
ME	X	X	Yes
MI			
MN			Yes
MO			
MS			
MT			
NC			
ND	X		Yes
NE			
NH	X		
NJ	X		
NM	X	X	Yes
NV			
NY	X	X	
OH			
OK			
OR	X	X	Yes
PA			
PR	X		
RI	X	X	Yes
SC	X		Yes
SD			
TN			
TX			
UT	X	X	
VA	X		
VT	X		
WA	X	X	Yes
WI		X	Yes
WV			
WY			
total	22	14	16

Table A13. Building code oversight by the state, local interest in building codes.

	State oversight authority over local administration of codes?	Local choice of code (if no state requirement)	Locals must adopt, no choice of code	Local adoption prohibited	Can locals amend code w/out state approval?	Updating building code		Local interest in adopting building codes			Do communities have building codes with NFIP minimums?	How many?
						State or local requirement?	How often?	None	Little	Growing		
AK	Yes		X		Yes	No		X			Yes	
AR	No	X			Yes	Yes		X			Yes	0
AZ	No				Yes	No		X			Yes	0
CA	Yes	X			No	No		X		X	Yes	540
CO	No				Yes	No		X		X	Yes	360
CT	Yes	X			No	Yes	As requested by public safety after code change.	X		X	Yes	169
DC	Yes				No	Yes	As needed				Yes	1
DE	No				Yes	No				X	No	0
FL	Yes		X		No	Yes				X	Yes	435
GA	No				Yes	Yes	Minimum 3 year cycle.			X	No	0
HI	No		X		Yes	Yes	every 2 years.	X			Yes	4
ID	No	X			Yes	No		X			Yes	20
IL	No	X			Yes	No			X		Yes	300
IN	Yes	X			No	Yes			X		Yes	0
KS	No	X			No	No			X		No	0
KY	No	X			No	No		X			Yes	10
LA	Yes		X		Yes	Yes	3 years when ICodes updated + state amendment			X	Yes	0
MA	Yes				No	No					Yes	351
MD	No				Yes	No		X			Yes	0
ME	No	X			Yes	No		X			No	0
MI	Yes		X		No	Yes	3 years			X	Yes	0
MN	Yes		X		No	No				X	Yes	100
MO	No	X			Yes	No			X		Yes	0

	State oversight authority over local administration of codes?	Local choice of code (if no state requirement)	Locals must adopt, no choice of code	Local adoption prohibited	Can locals amend code w/out state approval?	Updating building code		Local interest in adopting building codes			Do communities have building codes with NFIP minimums?	How many?
						State or local requirement?	How often?	None	Little	Growing		
MS	No	X			Yes	No			X		Yes	40
MT	Yes	X			No	No		X	X		Yes	6
NC	Yes				No	Yes	Biennial - by legislature				No	0
ND	No				Yes	No			X		No	
NE	Yes	X			Yes	No		X			No	0
NH	No	X			No	No			X		Yes	0
NJ	Yes			X	No	Yes	As needed				No	0
NM	Yes		X		No	Yes	2 years			X	No	0
NV	No				No	No					No	0
NY	Yes				No	Yes	3 year cycle.			X	Yes	0
OH	Yes	X			Yes	No				X	No	0
OK	No	X			Yes	No	.				Yes	0
OR	Yes				No	Yes				X	Yes	0
PA	Yes		X		No	Yes	As ICC changes.		X		Yes	1000
PR	No			X	No	Yes				X	No	0
RI	No				No	Yes				X	Yes	0
SC	Yes		X		No	No				X	Yes	60
SD	Yes				Yes	No		X		X	No	0
TN	No	X			Yes	No			X		Yes	35
TX	No		X		Yes	No		X			No	0
UT	No				No	No				X	No	0
VA	Yes				No	No		X			Yes	
VT	No	X			Yes	No		X			No	0
WA	No	X			No	No			X		Yes	80
WI	Yes		X		No	Yes	Every 2-3 years.			X	Yes	600
WV	No		X		No	No		X			Yes	4
WY	No				No	No		X			No	0
total	23	19	13	2	Y=23	Y-18	3	8	18	18	Y=32	

Table A14. Building codes, types, and administration within the states.

State Building Code	State code required to be administered						Statewide Building Code Characteristics						
	By all local jurisdictions	By unincorporated entities	By towns, villages	By state for certain occupancies	I-codes	NFPA 5000	BOCA	ICBO	SBCCI	Own state/local code	Complies with state floodplain management statutes	Complies with local floodplain management statutes	Requires flood resistant materials below BFE
AK	X	X	X	X		X						X	X
AL						X		X					
AR	X	X					X					X	
AZ											X	X	X
CA	X	X						X					X
CO	X	X					X	X			X	X	X
CT	X					X					X	X	
DC	X					X					X		X
DE	X	X				X			X				
FL	X	X					X		X			X	X
GA	X	X				X		X					
HI	X	X									X	X	X
ID	X				X	X							
IL	X									X			X
IN											X		
KS													
KY	X						X				X		X
LA	X			X		X						X	X
MA	X	X					X					X	X
MD	X	X				X						X	X
ME											X	X	X
MI	X					X					X	X	X
MN	X					X		X			X	X	X
MO						X							
MS						X		X					
MT	X		X				X						
NC	X	X				X					X	X	X
ND	X					X							
NE	X												
NH	X		X				X					X	
NJ	X	X					X						

State Building Code	State code required to be administered						Statewide Building Code Characteristics							
	By all local jurisdictions	By unincorporated entities	By towns, villages	By state for certain occupancies	I-codes	NFPA 5000	BOCA	ICBO	SBCCI	Own state/local code	Complies with state floodplain management statutes	Complies with local floodplain management statutes	Requires flood resistant materials below BFE	
NM	X							X					X	X
NV														
NY	X				X								X	X
OH	X				X								X	X
OK	X			X			X							
OR	X							X						X
PA	X		X		X						X		X	X
PR	X							X			X		X	X
RI	X						X				X		X	X
SC	X					X							X	X
SD								X						
TN									X				X	X
TX	X					X							X	X
UT	X					X							X	
VA	X					X					X		X	X
VT				X			X							
WA	X							X					X	
WI	X									X			X	X
WV	X				X								X	X
WY							X							
total	35	22	1	4	7	20	1	11	13	6	2	16	27	28

Table A15. Local attitudes toward regulation of floodplains.

State	Local officials NOT reluctant to adopt & enforce regulations	Local officials SOMEWHAT reluctant to adopt & enforce regulations	Local officials VERY reluctant to adopt & enforce regulations	Explain
AK			X	2 out of 29 have a freeboard (+1ft.) & 2 CRS communities have any standards more restrictive than federal minimums.
AL	X			
AR		X		
AZ	X			Except for Native American lands, all communities have adopted more stringent regulations.
CA		X		
CO		X		Case by case basis.
CT			X	
DC	X			Local officials are not reluctant to adopt and enforce more stringent regulations if the purpose of the regulations is to protect safety and well being of the population.
DE		X		
FL		X		Concerned about the increased cost of construction due to "more stringent regulations".
GA		X		
HI			X	
ID			X	Community governments are overwhelmed when political pressure from the state legislature is applied which results in unsafe development.
IL		X		
IN		X		
KS	X	X	X	Depends on community.
KY		X		Depends on resources available to local communities.
LA		X		
MA				
MD	X	X		Most jurisdictions adopt regulations in excess of NFIP & State requirements. A few do not however.
ME	X	X	X	Varies by geographic location and size and development pressure. South Maine area seeking more restrictive, while northern, less population and less dev. Inclined to stick with minimums. Downeast lot of dev pressure, resistant to even the minimums.
MI			X	Most just want to adopt the minimal standards needed to remain compliant.
MN		X		Some communities exceed state/federal standards. Some communities fight state/federal regulations.
MO			X	Most local officials only want to adopt and enforce min. standards set by fed. gov. State has no regulations regarding this matter.
MS		X		The lack of a state mandated building code and floodplain regulations.
MT		X		
NC	X			About 75% of participating communities have adopted some freeboard
ND	X			When communities understand how the NFIP works (FPM, LOMA-Fs, Flood Ins Rating, Mand. Purchase) they enact higher standards. This actually reduces amount of headaches & hassles relative to property and lenders.

State	Local officials NOT reluctant to adopt & enforce regulations	Local officials SOMEWHAT reluctant to adopt & enforce regulations	Local officials VERY reluctant to adopt & enforce regulations	Explain
NE		X		
NH	X	X		Every community has their own take on this. 35% not reluctant, 25% somewhat reluctant, others are in between.
NJ				X
NM		X		Local officials have to deal with local politics.
NV		X		
NY		X		Many do upon request. However, new building code makes more restrictive regulations more difficult.
OH		X		We have many communities that have higher standards. Interest is increasing due to community desire to address multiple objectives. (water quality, aesthetic development, flood risk reduction and water supply) with regs vs. just NFIP minimums.
OK		X		Some communities jump at it, others, no way.
OR		X		
PA				X This varies depending on the community location. Rural areas (most PA communities) are very reluctant, while communities in the southeast part of PA (near Philly) aren't very reluctant at all.
PR	X			Actually, state floodplain regulations have some sections more stringent.
RI		X		
SC		X		Political pressure to do numerous standards
SD				X
TN				X Cost related to additional enforcement is a problem as well as political problems of too tight standards.
TX		X		Property rights issues in rural & some urban areas are a concern to governing officials.
UT		X		not seen as a priority.
VA				X Due to the "Dillon Rule" in Virginia, localities are restricted from imposing regulations more stringent than state regulations unless specifically approved by the state legislature.
VT				X Very few towns have adopted higher standards.
WA		X		Dependent on local political climate and experience with flooding.
WI				X Lots of political pressure to adopt FEMA minimums.
WV		X		Hi growth communities would adopt and enforce higher standards if allowed by state law.
WY				X Local officials favor very limited federal intervention.
total	10	30	16	

Table A16. State regulations for floodplain management.

State	State law requires review/ approval of activities that alter floodplain	Law requires review by		Floodway regulated by		Fringe regulated by		Velocity zones regulated by		Alluvial fans regulated by		
		state	community	state	community	state	community	state	community	state	community	
AK					X		X		X		X	
AL					X		X		X			
AR					X		X					
AZ	X		X		X		X		X		X	
CA	X	X	X	X	X	X	X		X		X	
CO					X		X		X		X	
CT	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			
GA					X		X		X		X	
HI					X		X		X			
ID					X		X		X		X	
IL	X	X		X	X		X					
IN	X	X		X	X		X					
KS	X	X		X	X	X	X					
KY	X	X	X	X	X	X	X					
LA					X		X		X		X	
MA	X											
MD	X	X			X	X			X			
ME		X	X		X		X		X		X	
MI	X			X		X						
MN	X		X	X	X	X	X	X	X			
MO					X		X		X		X	
MS					X		X		X			
MT	X	X	X		X		X					
NC					X		X	X	X			
ND					X		X					
NE					X		X					
NH												
NJ	X	X		X		X		X				
NM					X		X		X		X	
NV					X		X		X		X	
NY					X		X		X			
OH	X				X		X		X			
OK	X	X		X	X	X	X	X	X	X	X	
OR				X	X		X		X		X	
PA	X	X		X			X	X		X		
PR	X	X		X		X	X	X	X	X	X	
RI	X	X	X	X			X	X				
SC					X		X		X			
SD					X		X		X		X	
TN			X		X		X					
TX					X		X		X			
UT					X		X		X		X	
VA	X		X	X	X	X	X	X	X			
VT	X	X			X		X					
WA	X		X	X	X	X	X	X	X	X	X	
WI	X	X			X		X		X		X	
WV					X		X					
WY	X		X		X		X		X			
total		26	18	12	17	43	12	45	12	33	4	19

Table A17. Substantial improvement regulations at the state level.

State	Statewide standard for substantial improvement?	Damage threshold	Applies in			How applied:			How measured:						
			floodway	fringe	velocity zone	alluvial fans	Each event	Cumulative over time	Period in years	Cumulative over number of floods	Market Value	Pre flood value	Replacement cost		
AK	No	0								0					
AL	Yes	50%	X	X	X					X			X		
AR	No	0								0					
AZ	Yes	49%	X	X	X	X				X			X		
CA	No	0								0					
CO	No	0								0					
CT	No	0								0					
DC	Yes	50%	X	X	X			X		0			X		
DE	No	0								0					
FL	No	0								0					
GA	No	0								0					
HI	No	0								0					X
ID	No	0								0					
IL	No	0								0					
IN	Yes	50%	X							X				X	
KS	No	0								0					
KY	Yes	50%	X	X						X				X	
LA	No	0								0					
MA	Yes	50%	X	X	X		X		X	0			X		
MD	Yes	50%	X	X	X		X		X	0			X		
ME	No	0	X	X	X				X	0			X		
MI	Yes	50%	X	X					X	0			X		
MN	Yes	50%	X	X					X	0				X	
MO	No	0								0					
MS	No	50%	X	X	X		X			X			X		
MT	Yes	50%	X	X				X		0			X		
NC	No	0								0					
ND	No	0											X		

State	Statewide standard for substantial improvement?	Damage threshold	Applies in			How applied:				How measured:				
			floodway	fringe velocity zone	alluvial fans	Each event	Cumulative over time	Period in years	Cumulative over number of floods	Market Value	Pre flood value	Replacement cost		
NE	Yes	50%	X	X		X						X		
NH	No	0												
NJ	Yes	51%	X	X		X							X	
NM	No	0												
NV	No	0												
NY	No	0												
OH	Yes	50%	X	X		X	X			10		X		
OK	Yes	50%	X	X		X				0		X		
OR	No	0								0				
PA	Yes	50%	X	X		X				0		X		
PR	Yes	50%	X	X		X				0		X		
RI	Yes	49%	X	X	X	X				0		X		
SC	No	0								0				
SD	No	0								0				
TN	No	0								0				
TX	Yes	50%	X	X	X	X				0		X	X	X
UT	No	0								0				
VA	Yes	50%	X	X	X	X				0		X	X	
VT	No	0								0				
WA	Yes	50%	X	X	X	X				0		X		
WI	Yes	50%	X	X	X	X				0		X		
WV	No	0								0				
WY	No	0								0				
total	Y=21		23	22	12	1	17	6			0	20	6	2

Table A18. State regulations for stormwater, setbacks, floodways, freeboard, storage.

State	Stormwater management/detention required by regulation	Setbacks required by regulation	Floodway encroachment standards-required by regulation	Freeboard Standards		Compensatory storage required by regulation
				Required by regulation	feet above BFE	
AK					0	
AL			X		1	
AR					0	
AZ				X	1	
CA			X		0	
CO	X				1	
CT	X				0	
DC	X	X	X	X	1.5	
DE	X		X		0	
FL	X	X	X		0	
GA	X	X	X		1	
HI	X			X	1	
ID	X				0	
IL					0	X
IN	X			X	2	
KS	X		X	X	1	
KY	X	X			0	
LA					0	
MA					0	
MD	X			X	1	X
ME	X	X	X	X*	1	
MI	X		X	X	1	X
MN	X	X	X	X	1	
MO					0	
MS	X		X		0	
MT			X	X	0.5	
NC	X	X	X		0	
ND				X	1	
NE				X	1	
NH	X				0	
NJ	X		X		0	
NM		X			0	X
NV					1	
NY	X		X		0	
OH	X		X		2	X
OK	X				0	
OR		X	X	X	1	X
PA	X			X	1.5	
PR	X	X		X	1	
RI	X	X	X		0	X
SC	X				0	
SD					0	
TN					1	
TX	X				0	
UT	X				0	
VA	X	X			0	
VT					0	
WA	X		X		0	
WI	X	X		X	2	X
WV					0	
WY	X				0	X
total	32	13	19	15		9

*in shoreland zones only

Table A19. State regulations for critical facilities, drainage, and X Zones.

State	Critical facilities protection -		Drainage system maintenance required by regulation	X-Zone protection/ drainage requirements required by regulation
	Required by regulation	To -year standard		
AK		0		
AL		500		
AR		0		
AZ		0	X	
CA		0	X	
CO		0		
CT		0		
DC		0	X	
DE		0	X	
FL		0		
GA		0		
HI		0		
ID		0		
IL		500		
IN		0		
KS		0		
KY	X	25		
LA		0		
MA		0		
MD		0		
ME		0		
MI	X	500		
MN		0	X	
MO		0		
MS	X	500		
MT		0		
NC	X	500		
ND		0		
NE		0		
NH		0		
NJ		0		
NM		0		
NV		0		
NY	X	100		
OH	X	500		
OK		0		
OR		0	X	
PA	X	100		
PR	X	0		
RI		0	X	X
SC		0		
SD		0		
TN		0		
TX		0		
UT		0		
VA	X	0		
VT		0		
WA		0		
WI		0	X	
WV		0		
WY		0		
total	9		8	1

Table A20. Division of National Flood Insurance Program duties between the state and FEMA.

	Community Assistance Visits (CAVs)						Community Assistance Contacts (CACs)						NFIP Workshops					
	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one
AK		X					X							X				
AL		X					X						X					
AR		X					X						X					
AZ		X						X						X				
CA		X										X		X				
CO			X						X					X				
CT		X					X							X				
DC																X		
DE	X											X		X				
FL		X					X									X		
GA		X						X						X				
HI		X						X										
ID		X						X								X		
IL		X						X						X				
IN		X							X				X					
KS				X			X						X					
KY			X					X								X		
LA		X						X						X				
MA		X					X						X					
MD	X												X					
ME		X					X						X					
MI		X						X					X					
MN	X						X							X				
MO		X					X						X					
MS		X					X									X		
MT			X					X					X					
NC		X						X						X				
ND		X						X								X		
NE				X			X									X		
NH		X						X						X				
NJ			X					X						X				
NM			X				X							X				
NV				X					X								X	
NY		X						X						X				
OH	X							X					X					
OK			X					X						X				
OR		X						X						X				
PA		X							X							X		
PR			X						X								X	
RI	X						X							X				
SC		X					X							X				
SD			X					X								X		
TN					X	X								X				

	Community Assistance Visits (CAVs)						Community Assistance Contacts (CACs)						NFIP Workshops					
	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one
TX		X						X							X			
UT		X							X					X				
VA	X						X						X					
VT		X					X							X				
WA		X						X							X			
WI		X					X							X				
WV			X					X						X				
WY		X						X							X			
total	6	31	9	3	1	1	18	22	3	3	0	2	12	24	12	2	0	0

AS = always done by state
MS = mostly done by state
= = equally split between state and FEMA
MS = mostly done by FEMA
AF = always done by FEMA

Table A20 (cont.). Division of National Flood Insurance Program duties between the state and FEMA.

	Outreach						Ordinance Review						General Technical Assistance					
	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one
AK		X							X				X					
AL	X						X						X					
AR	X									X				X				
AZ		X					X						X					
CA			X						X								X	
CO		X								X						X		
CT	X						X							X				
DC		X						X								X		
DE						X			X					X				
FL			X					X								X		
GA									X							X		
HI							X						X					
ID		X												X				
IL		X						X						X				
IN			X					X						X				
KS		X					X							X				
KY		X						X						X				
LA		X								X						X		
MA		X					X						X					
MD		X						X						X				
ME	X						X						X					
MI	X							X								X		
MN		X					X							X				
MO	X							X						X				
MS	X							X								X		
MT	X							X					X					
NC	X							X						X				
ND		X						X						X				
NE		X						X						X				
NH		X						X					X					
NJ						X		X		X				X				
NM	X									X			X					
NV		X								X						X		
NY		X					X							X				
OH		X					X							X				
OK		X								X						X		
OR		X						X						X				
PA			X							X						X		
PR		X						X						X				
RI	X						X											
SC		X						X						X				
SD			X							X				X				
TN		X						X					X					

	Outreach						Ordinance Review						General Technical Assistance					
	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one
TX			X							X					X			
UT		X							X					X				
VA		X							X					X				
VT								X					X					
WA		X						X						X				
WI		X					X						X					
WV		X							X					X				
WY			X							X					X			
total	11	28	7	0	0	2	12	21	9	9	0	1	11	25	12	1	0	0

AS = always done by state
MS = mostly done by state
= = equally split between state and FEMA
MS = mostly done by FEMA
AF = always done by FEMA

Table A20 (cont.). Division of National Flood Insurance Program duties between the state and FEMA.

	Engineering Assistance						Planning Assistance						Submit-to-Rate Applications						
	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one	
AK				X				X										X	
AL			X				X						X						
AR				X				X										X	
AZ						X			X									X	
CA			X						X									X	
CO		X							X						X				
CT		X						X									X		
DC		X						X							X				
DE		X							X									X	
FL				X				X							X				
GA					X		X												
HI	X						X						X						
ID				X					X									X	
IL		X							X				X						
IN		X							X								X		
KS			X					X										X	
KY		X						X							X				
LA				X					X								X		
MA		X					X						X						
MD			X					X										X	
ME					X		X						X						
MI		X							X					X					
MN		X							X								X		
MO			X					X											X
MS					X						X							X	
MT	X						X										X		
NC			X				X										X		
ND		X										X						X	
NE		X						X										X	
NH				X				X										X	
NJ		X						X										X	
NM					X				X									X	
NV					X			X											X
NY		X						X										X	
OH			X					X									X		
OK				X				X									X		
OR				X				X									X		
PA				X				X										X	
PR			X						X								X		
RI				X				X					X						
SC	X							X									X		
SD				X					X									X	

	Engineering Assistance						Planning Assistance						Submit-to-Rate Applications						
	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one	
TN					X		X											X	
TX				X							X							X	
UT				X				X											
VA		X						X										X	
VT	X										X		X						
WA			X					X										X	
WI	X						X										X		
WV				X			X										X		
WY					X				X										X
total	5	15	9	14	7	1	10	23	14	0	3	1	7	1	4	13	21	3	

AS = always done by state
MS = mostly done by state
= = equally split between state and FEMA
MF = mostly done by FEMA
AF = always done by FEMA

Table A20 (cont.). Division of National Flood Insurance Program duties between the state and FEMA.

	Repetitive Loss Activities						Flood Insurance-related Activities						Pre-disaster Mitigation					
	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one
AK						X					X					X		
AL			X					X						X				
AR				X						X						X		
AZ		X							X					X				
CA					X					X							X	
CO				X					X					X				
CT	X									X				X				
DC		X						X						X				
DE						X			X							X		
FL		X								X						X		
GA			X								X		X					
HI	X												X					
ID					X						X						X	
IL	X								X					X				
IN		X							X								X	
KS				X							X						X	
KY			X						X					X				
LA				X					X								X	
MA	X											X	X					
MD		X								X							X	
ME		X						X									X	
MI				X							X			X				
MN				X						X				X				
MO		X						X						X				
MS			X								X			X				
MT				X						X				X				
NC	X							X					X					
ND					X					X							X	
NE					X				X								X	
NH				X				X						X				
NJ				X						X				X				
NM					X			X					X					
NV				X							X			X				
NY				X						X								X
OH				X					X					X				
OK			X							X				X				
OR			X							X				X				
PA		X							X								X	
PR			X							X							X	
RI	X									X				X				
SC	X						X						X					
SD			X							X							X	
TN					X				X								X	

	Repetitive Loss Activities						Flood Insurance-related Activities						Pre-disaster Mitigation					
	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one	AS	MS	=	MF	AF	No one
TX					X						X					X		
UT				X								X						
VA					X						X			X				
VT				X						X							X	
WA				X						X				X				
WI		X							X					X				
WV			X							X				X				
WY			X					X							X			
totals	7	9	10	15	8	2	1	8	12	18	9	2	6	25	14	4	0	1

AS = always done by state
MS = mostly done by state
= = equally split between state and FEMA
MF = mostly done by FEMA
AF = always done by FEMA

Table A21. Community assistance activities conducted by the states with CAP funds from FEMA.

State	With funds from FEMA under the Community Assistance Program (CAP)										
	Conduct CAVs	Conduct CACs	Provide CRS assistance	Conduct work-shops	Regional coordination meetings	Outreach	Ordinance Review	General technical assistance	CIS	Map assistance	Other, describe
AK	X	X		X	X	X	X			X	"Post-disaster Assistance" 2 Presidential declarations in past 9 months - many requests from FEMA.
AL	X	X	X	X	X	X	X	X	X		
AR	X	X	X	X	X	X	X	X	X	X	Ex office of association for outreach & education.
AZ	X	X		X	X	X	X	X		X	Attendance at ASFPM conference and participation in Arizona Floodplain Management Association.
CA	X	X	X	X	X	X	X	X	X	X	Directs flood mitigation projects.
CO	X	X	X	X	X	X	X	X	X		
CT	X	X	X	X	X	X	X	X	X		
DC	X			X	X	X	X	X	X		
DE	X		X	X	X	X	X	X	X		
FL	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	X	X	X		
ID	X	X	X	X	X	X	X	X	X		
IL	X	X	X	X	X	X	X	X	X	X	Database update, agent/lender training/conferences/submit for rates, violation resolutions, etc.
IN	X		X	X	X	X	X	X	X	X	Post flood disaster assistance.
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	X	X	Member of Hazard Mitigation Team for State of LA.
MA	X	X	X	X	X	X	X	X	X		
MD	X		X	X	X	X	X	X	X		
ME	X	X	X	X	X	X	X	X	X	X	Interagency reviews and guidance regarding EO11988.
MI	X	X	X	X	X	X	X	X	X		
MN	X	X		X							
MO	X	X	X	X	X	X	X	X	X		
MS	X	X	X	X	X	X	X	X	X	X	Map Modernization/CTP

With funds from FEMA under the Community Assistance Program (CAP)

State	With funds from FEMA under the Community Assistance Program (CAP)										
	Conduct CAVs	Conduct CACs	Provide CRS assistance	Conduct work-shops	Regional coordination meetings	Outreach	Ordinance Review	General technical assistance	CIS	Map assistance	Other, describe
MT	X	X		X	X	X	X		X	X	X Anything related to floods, flooding, & floodplain management.
NC	X	X	X	X	X	X	X	X	X	X	Support state association and state CFM program
ND	X	X		X		X	X	X	X		
NE	X	X	X	X	X	X	X	X	X	X	
NH	X	X	X	X	X	X	X	X			
NJ	X	X	X	X	X	X	X	X	X		
NM	X	X	X	X	X	X	X	X	X	X	NFIP for State Tribal entities.
NV	X	X	X	X	X	X	X	X	X	X	
NY	X	X	X	X	X	X	X	X	X	X	CCO & Time & cost coordination for mapping staff assistance to state assoc.
OH	X	X	X	X	X	X	X		X	X	Assist in FY02-3 with MNUSS data collection & develop map modernization plan. Promote & work with potential CTP communities.
OK	X	X	X	X	X	X	X		X	X	State permitting system.
OR	X	X	X	X	X	X	X	X	X		
PA	X	X		X	X	X			X		
PR	X	X		X		X	X		X		Pamphlets, bulletins, posters.
RI	X	X	X		X	X	X		X	X	Technical assistance in writing local hazard mitigation plans.
SC	X	X	X	X	X	X	X	X	X	X	
SD	X	X	X	X	X	X	X	X	X		
TN		X	X	X	X	X	X	X	X	X	Attempt to assist with any NFIP needs
TX	X	X		X		X	X	X			
UT	X	X	X	X	X	X	X	X	X		
VA	X	X	X	X	X	X	X	X	X		
VT	X	X	X	X	X	X	X	X	X		
WA	X	X	X	X	X	X	X	X	X	X	Funding to local governments for flood hazard management planning and flood damage reduction projects.
WI	X	X	X	X	X	X	X	X	X		
WV	X	X	X	X	X	X	X	X	X		
WY	X	X	X	X	X	X	X	X	X		
totals	49	47	39	50	45	50	49	30	44	21	

Table A22. State monitoring of and assistance to local programs.

	Staff time spent on community assistance functions -			Monitoring Methods								Communities are actually monitored every ___ years
	Technical Assistance (%)	Enforcement (%)	Monitoring (%)	Phone	Mail survey	Site visit	Complaints	NFIP submit to rates	NFIP Biennial report	Other methods		
AK	50	0	50			X					Review all USACE Public Notices of Applications for Permits."	3
AL	15	15	70	X	X	X	X	X	X	X		7
AR	70	0	30	X	X	X	X	X	X	X		5
AZ	50	0	50	X		X	X	X				5
CA	40	0	60			X			X			10
CO	50	0	50			X	X	X				5
CT	70	0	30	X		X	X	X				10
DC												0
DE	65	10	250	X		X	X	X				5
FL	55	10	5	X	X	X	X	X	X	X		5
GA	25	0	25			X	X	X	X	Population growth, increase in building permits.		10
HI	50	25	25			X			X			2
ID	45	0	55	X		X	X	X				5
IL	50	25	25			X	X	X		5 year visit cycle on all floodprone communities.		7
IL	0	0	0									0
IN	50	25	25	X		X	X	X				7
KS	90	0	10	X		X	X	X				6
KY	75	25	0	X		X						3
LA	40	20	40	X		X	X	X	X	New officials.		2
MA	65	10	25	X		X		X	X			6
MD	50	0	50	X		X	X	X				3
ME	25	0	9	X		X	X	X				5
MI	80	10	10	X		X	X	X	X	Violations		30
MN	60	10	30	X		X	X	X	X			7

	Staff time spent on community assistance functions -			Monitoring Methods								Communities are actually monitored every ___ years
	Technical Assistance (%)	Enforcement (%)	Monitoring (%)	Phone	Mail survey	Site visit	Complaints	NFIP submit to rates	NFIP Biennial report	Other methods		
MO	50	30	20									6
MS	70	20	10	X		X			X			10
MT	75	5	20	X		X	X					4
NC	20	5	20	X	X	X						5
ND	90	5	5	X		X	X					5
NE	50	2	2	X		X	X					10
NH	10	1	10	X		X						5
NJ	5	0	15	X		X	X					5
NM	50	0	50	X		X	X		X			5
NV	70	0	30	X		X	X					5
NY	50	5	5	X		X	X					28
OH	70	5	25			X	X	X	X	Post flood CAVs/Assessment.		10
OK	50	5	5	X		X	X					0
OR	15	10	15	X		X	X	X				5
PA	96	0	4	X		X	X			PA Act 166 the PA FPM Act Annual Reports.		6
PR	50	40	10	X	X	X	X					1
RI	67	18	15				X	X	X	CACs, CAVS, Workshops and Training.		0
SC	75	15	10	X	X	X	X	X	X			3-5
SD	30	10	10	X	X	X	X					6
TN	10	5	5			X						6
TX	55	10	35	X		X	X					25
UT	20	60	20	X		X						7
VA	60	0	20	X		X	X			State Joint Permit Application Process.		8
VT	10	0	25	X		X		X				7
WA	60	10	30	X	X	X	X					7
WI	50	10	20	X		X	X					10
WV	80	10	10	X	X	X	X	X				8
WY	75	10	15	X		X	X	X				4
tota				40	9	48	38	20	15			

Table A23. State methods for setting priorities for community monitoring visits.

State	Complaints	Community contact suggest need for visit	Community request	FEMA guidelines	NFIP submit-to-rate applications	Level of development activity	Other ways to set priorities
AK		X				X	New local floodplain administrator; new communities joining the NFIP; Available travel budget - very costly to get to communities with little or no development activity.
AL				X			
AR	X	X	X			X	
AZ		X	X		X	X	
CA			X	X			
CO		X		X			
CT	X	X			X	X	
DC	X	X	X				
DE	X	X				X	
FL	X	X	X	X	X	X	
GA	X	X	X		X	X	Communities having high potential for damage or repetitive losses.
HI				X		X	
ID	X			X		X	
IL	X	X	X	X	X	X	
IL	X	X	X	X	X	X	
IN	X		X			X	Workshop follow-up.
KS	X	X	X			X	
KY		X					
LA	X	X	X	X	X	X	New officials.
MA	X	X	X		X	X	Length of time since last visit
MD				X		X	Past problems.
ME	X	X	X	X	X	X	CRS applications GTA index of all request for assistance.
MI	X	X			X		
MN	X	X		X	X	X	Violations
MO	X	X	X			X	
MS		X	X			X	Federal disaster declaration areas.
MT	X	X	X	X	X	X	

State	Complaints	Community contact suggest need for visit	Community request	FEMA guidelines	NFIP submit-to-rate applications	Level of development activity	Other ways to set priorities
NC		X	X	X		X	Floodway violations, CRS entry.
ND			X			X	Sequence of last visit date to community
NE	X	X	X				
NH				X			
NJ	X	X	X	X			
NM	X	X	X			X	
NV			X			X	
NY		X	X			X	Time since last visit.
OH	X	X	X	X		X	HMGP or FMA project. We monitor these communities to ensure they get full value of NFIP as a day to day flood mitigation tool and build local capability.
OK	X	X	X	X			CRS interest.
OR	X		X			X	
PA	X	X		X		X	
PR	X	X		X		X	
RI			X	X	X		
SC	X	X	X	X		X	Post-FIRM repetitive loss
SD	X	X	X	X			
TN	X	X				X	
TX	X	X	X			X	
UT			X			X	
VA	X	X	X			X	
VT		X	X		X		Time since previous contact/ visit
WA	X	X	X	X		X	CRS requirement.
WI	X	X				X	
WV	X	X	X	X	X		
WY		X	X	X			Length of time since the last visit
total	34	40	36	26	15	37	

Table A24. Mechanisms for enforcement of local programs.

	State law sets state oversight or monitoring of local floodplain management	Can state overrule local floodplain management decisions?	Role of state in followup on local non-enforcement of floodplain management ordinance	Final authority for enforcing local floodplain management standards						Responsibility for enforcement on NFIP violations is the responsibility of					
				Lies with community	Shared by state and community	Shared by FEMA and community	Lies with state	Lies with FEMA	Shared among FEMA, state, community	FEMA	The state	Both	Explain		
AK	X	No	Meet with local officials, request compliance, refer to FEMA.			X								X	FEMA is probably responsible, but easier for state to follow-up on state CAV.
AL		No	Help communities understand compliance issues and remedying situations before FEMA sanctions.	X										X	
AR		No	Followup with community, report to FEMA.	X			X							X	
AZ	X	Yes	Work with the community until they get it right.	X										X	State has no enforcement authority. FEMA has to be involved.
CA		No	Document in CAV report, notify FEMA planner.				X					X	X		State does the initial follow-up, then forwarded to FEMA for enforcement.
CO	X	No	Audit and incurring visits and monitoring.	X										X	
CT	X	No	Advisory & liaison with FEMA & towns.	X										X	

	State law sets state oversight or monitoring of local floodplain management	Can state overrule local floodplain management decisions?	Role of state in followup on local non-enforcement of floodplain management ordinance	Final authority for enforcing local floodplain management standards							Responsibility for enforcement on NFIP violations is the responsibility of				
				Lies with community	Shared by state and community	Shared by FEMA and community	Lies with state	Lies with FEMA	Shared among FEMA, state, community	FEMA	The state	Both	Explain		
DC		No	The District is both a state and a municipality, so ensures ordinance is enforced.	X					X			X			The floodplain manager has the responsibility for follow up to ensure the violation is corrected.
DE		No	Provide technical assistance to community. Provide "road map" to bringing structures/comm unity program into compliance.	X						X		X			First state follow-up. FEMA follows-up if NFIP sanctions are called for.
FL		No	The state request corrective action and provides technical assistance, as well as follow-up action.	X										X	The state has the initial responsibility to provide follow-up (corrective action and technical assistance).

	State law sets oversight or monitoring of local floodplain management	Can state overrule local floodplain management decisions?	Role of state in followup on local non-enforcement of floodplain management ordinance	Final authority for enforcing local floodplain management standards							Responsibility for enforcement on NFIP violations is the responsibility of				
				Lies with community	Shared by state and community	Shared by FEMA and community	Lies with state	Lies with FEMA	Shared among FEMA, state, community	FEMA	The state	Both	Explain		
GA		No	Visit community, discuss role and responsibility in NFIP, provide guidance, have community prepare written procedures to ensure enforcement and compliance. Monitor community more frequently.	X								X			Initially the state will follow-up. If the community fails to respond or cooperate, the matter is referred to the FEMA Region IV office.
HI		No	Notify community of violation.		X									X	
ID	X	Yes	Monitoring and technical assistance.	X								X			No state laws to enforce. State NFIP coordinator works with FEMA & I community to correct violation.
IL		No		X									X		State has a three-strike policy. If after 3 attempts to resolve violation are unsuccessful - community is turned over to FEMA w/probation request.

	State law sets state oversight or monitoring of local floodplain management	Can state overrule local floodplain management decisions?	Role of state in followup on local non-enforcement of floodplain management ordinance	Final authority for enforcing local floodplain management standards							Responsibility for enforcement on NFIP violations is the responsibility of				
				Lies with community	Shared by state and community	Shared by FEMA and community	Lies with state	Lies with FEMA	Shared among FEMA, state, community	FEMA	The state	Both	Explain		
IL	X	Yes		X								X			State has a three strike policy. If after 3 attempts to resolve, community is turned over to FEMA
IN	X	No	State tries to get compliance, if not possible, turn over to FEMA.			X							X		State tries to resolve issue, then turns over to FEMA for enforcement action.
KS	X	No	Letter, phone calls, visit & follow up with FEMA.	X								X			
KY		No	Technical assistance with local officials.	X										X	Cooperative efforts.
LA		No	FPA & officials informed of consequences, (loss of insurance, etc.)				X						X		State notifies FEMA, helps community achieve compliance. If no results, refers violations to FEMA for enforcement.
MA		No	Provide date to FEMA and function as liaison between FEMA and community				X							X	State sends letter describing possible violation to community CEO w/cc: to FEMA

	State law sets state oversight or monitoring of local floodplain management	Can state overrule local floodplain management decisions?	Role of state in followup on local non-enforcement of floodplain management ordinance	Final authority for enforcing local floodplain management standards						Responsibility for enforcement on NFIP violations is the responsibility of					
				Lies with community	Shared by state and community	Shared by FEMA and community	Lies with state	Lies with FEMA	Shared among FEMA, state, community	FEMA	The state	Both	Explain		
MID	X	Yes	Technical assistance to correct problems. More frequent CAVs and contacts until corrected.	X										X	Minor violations are handled by state. If community is not performing responsibilities and does not appear to be improving, FEMA must step in.
ME		No	Both CAV or CAC; we use both but mostly CACs.			X								X	The State Planning Office is not a regulatory agency. Work with communities to resolve non-compliance. Keep FEMA appraised and work with both to structure appropriate remedy.
MI	X	Yes	Asked by FEMA to be the lead (CAV)	X										X	State has the primary responsibility. If serious enough, FEMA brought in.
MIN	X	No	State can appeal the local decision in a State District Court and often wins.	X	X	X	X	X	X					X	State initiates corrective measures. If no resolution, state asks FEMA to take over. State & FEMA work together all through the process.

	State law sets state oversight or monitoring of local floodplain management	Can state overrule local floodplain management decisions?	Role of state in followup on local non-enforcement of floodplain management ordinance	Final authority for enforcing local floodplain management standards						Responsibility for enforcement on NFIP violations is the responsibility of				
				Lies with community	Shared by state and community	Shared by FEMA and community	Lies with state	Lies with FEMA	Shared among FEMA, state, community	FEMA	The state	Both	Explain	
MO		No	No State will work with communities to try to resolve the problems and violations.			X							X	The state has no authority but will do follow-up until some sort of action by FEMA is required.
MS		No	Document in CAV report, require corrections, education of officials & enforcement actions. Remind community of probation & suspension actions.	X										X Follow-up for 90 days then hand over to FEMA IV if no progress is made. If community is working with me, no time limit.
MT	X	No	Work primarily with FEMA if ordinance is not being enforced. Otherwise we work with community to correct things & leave FEMA out.	X									X	
NC		No	Advise on compliance methods and effects of non-compliance, provide training.	X									X	If community does not resolve issues in reasonable time, follow-up is transferred to FEMA

	State law sets state oversight or monitoring of local floodplain management	Can state overrule local floodplain management decisions?	Role of state in followup on local non-enforcement of floodplain management ordinance	Final authority for enforcing local floodplain management standards							Responsibility for enforcement on NFIP violations is the responsibility of				
				Lies with community	Shared by state and community	Shared by FEMA and community	Lies with state	Lies with FEMA	Shared among FEMA, state, community	FEMA	The state	Both	Explain		
ND	X	No	Provide information on messy consequences relative to financing and flood insurance when property trades hands.	X					X				X		State can point the finger but is not interested in doing serious NFIP "clean-up." It prefers to leave to FEMA Region 8.
NE		No	Advise community on standards and inform FEMA of the situation.			X							X		
NH	X	No	Recommendation to FEMA regional office.				X						X		
NJ	X	Yes	Non-compliance reported to both FEMA and the local CEO								X				Enforcement is FEMA's responsibility. The state continues to monitor and if possible correct violations.
NM	X	No	Request local corrective action response to the deficiencies							X			X		Notify the local community and FEMA Region VI

	State law sets state oversight or monitoring of local floodplain management	Can state overrule local floodplain management decisions?	Role of state in followup on local non-enforcement of floodplain management ordinance	Final authority for enforcing local floodplain management standards							Responsibility for enforcement on NFIP violations is the responsibility of				
				Lies with community	Shared by state and community	Shared by FEMA and community	Lies with state	Lies with FEMA	Shared among FEMA, state, community	FEMA	The state	Both	Explain		
NV		No	No Inform community and FEMA of program deficiencies.			X					X				Limited state staffing
NY		No	No Start with education. If community not interested in improving enforcement, then turn to FEMA.			X								X	We document to FEMA and provide follow up. If no success, FEMA asked to come in.
OH	X	No	Technical assistance on local regulations & administrative procedures. Act as liaison between community/prop owners/FEMA.	X							X				X State stays involved right up to probation or suspension. Have developed an alternative violation remedy process and facilitate resolving violations to the full extent of our scope and authority.
OK	X	No	Education, then strict enforcement. Work with community. If real problems, request help from FEMA.	X							X			X	X State takes ownership as needed.

	State law sets state oversight or monitoring of local floodplain management	Can state overrule local floodplain management decisions?	Role of state in followup on local non-enforcement of floodplain management ordinance	Final authority for enforcing local floodplain management standards							Responsibility for enforcement on NFIP violations is the responsibility of					
				Lies with community	Shared by state and community	Shared by FEMA and community	Lies with state	Lies with FEMA	Shared among FEMA, state, community	FEMA	The state	Both	Explain			
OR	X	Yes	Work with community on enforcement plan.	X									X			State does followup unless really a sticky situation, then refers to FEMA.
PA	X	No	Technical assistance to resolve problem. If no response, referred to FEMA for resolution.									X				PA Law (act 166) adopted NFIP Regs by specific reference. Therefore it is appropriate for FEMA to follow-up.
PR	X	Yes	The agency requires compliance with the regulation.		X			X								Local programs are monitored by state and FEMA informed of the results, mainly through the CAVs.
RI		No	If serious, involve FEMA and let them swing the hammer (e.g. potential NFIP suspension)		X					X						Depends on the severity of the violation.
SC		No	Advice of consequences, work with community to bring compliance, or remove from program at their request.	X												State does initial followup and if state is unable to resolve, turn over to FEMA

	State law sets state oversight or monitoring of local floodplain management	Can state overrule local floodplain management decisions?	Role of state in followup on local non-enforcement of floodplain management ordinance	Final authority for enforcing local floodplain management standards						Responsibility for enforcement on NFIP violations is the responsibility of						
				Lies with community	Shared by state and community	Shared by FEMA and community	Lies with state	Lies with FEMA	Shared among FEMA, state, community	FEMA	The state	Both	Explain			
SD		No	Work with FEMA.		X					X				X	Both attending a meeting is most effective.	
TN		No	Training and education.	X										X	State first attempts compliance and then will notify FEMA if not obtained.	
TX		No	Help community become compliant; if unable, refer to FEMA.	X										X		
UT		No	Meet with locals to find ways to rectify problem. Bring FEMA in at meetings.							X					X	If little cooperation from community, get FEMA involved.
VA	X	No	State works with community. If unwilling to cooperate or unable (politically or economically), state coordinates with FEMA for solution.						X						X	State and FEMA work together if state efforts don't get response
VT		No	None. We can only recommend.	X											X	Only FEMA has authority to suspend/put on probation

	State law sets state oversight or monitoring of local floodplain management	Can state overrule local floodplain management decisions?	Role of state in followup on local non-enforcement of floodplain management ordinance	Final authority for enforcing local floodplain management standards							Responsibility for enforcement on NFIP violations is the responsibility of				
				Lies with community	Shared by state and community	Shared by FEMA and community	Lies with state	Lies with FEMA	Shared among FEMA, state, community	FEMA	The state	Both	Explain		
WA	X	Yes	Recommends corrective action alone or with FEMA and follow up with calls and visits to document progress and compliance.								X			X	Coordination with FEMA regional office to assure accurate and consistent interpretation of regulations and fair and effective dealings with communities.
WI	X	Yes	Direct, consult, educate, facilitate, enforce		X									X	
WV		No	Technical assistance on administrative methods to prevent future occurrences, Advice on mitigating violation.	X										X	
WY		No	Inform community what corrections must be taken. Follow up with in mutually agreed time.	X										X	State follows up and get FEMA involved if the community does not take corrective action.
total	25	Yes=10		31	5	17	2	9	7	7	12	37			

Table A25. Floodplain resources/functions specifically addressed through state programs.

	Wetlands	Aquatic habitat	Estuaries	Dunes	Riparian	Open space	Water access	Recreation
AK	X	X	X		X		X	X
AL			X	X			X	X
AR	X	X			X	X	X	X
AZ	X	X			X	X	X	X
CA	X	X	X		X	X	X	X
CO						X		
CT	X	X	X	X	X	X	X	X
DC	X	X			X	X	X	X
DE	X	X	X	X	X	X	X	X
FL	X	X	X	X	X	X	X	X
GA	X	X		X	X	X	X	X
HI								
ID								
IL	X	X			X	X	X	X
IN	X	X		X	X		X	X
KS	X				X		X	X
KY	X	X			X	X	X	X
LA	X		X					X
MA	X	X			X		X	
MD	X	X	X	X	X	X	X	X
ME	X	X	X	X	X	X	X	X
MI	X			X	X	X		
MN	X	X	X		X	X	X	X
MO	X	X			X	X	X	X
MS	X	X						
MT	X							
NC	X		X	X	X	X	X	X
ND							X	X
NE	X	X			X			X
NH	X	X	X				X	X
NJ	X	X	X	X	X	X	X	X
NM	X	X		X	X	X	X	
NV		X			X			
NY	X	X	X	X	X	X	X	X
OH	X				X	X	X	X
OK	X	X			X	X	X	X
OR	X	X	X	X	X	X		X
PA	X	X	X	X	X	X	X	X
PR		X	X					
RI	X	X	X	X	X	X	X	X
SC	X	X	X	X	X	X	X	X
SD								
TN	X	X	X		X	X	X	X
TX	X	X	X	X	X	X	X	X
UT								
VA	X	X	X	X	X	X	X	X
VT								
WA	X	X	X	X	X	X	X	X
WI	X	X	X	X	X	X	X	X
WV		X					X	
WY						X		X
total	39	36	24	21	36	32	36	37

Table A26. Growth management and multi-objective planning within the states.

	Does your state encourage multi-objective management of rivers, watersheds, coastal areas, etc?	Does your state or its localities use multi-objective planning that includes floodplain management or protection?	Do localities in your state have authority to institute growth management policies?	Does your state have growth mgmt policies to protect watershed resources and/or minimize adverse effects of planned growth?
AK	Yes	No	Yes	No
AL	Yes	Yes	No	No
AR	Yes	Yes	No	No
AZ	Yes	Yes	Yes	No
CA	Yes	Yes	No	Yes
CO	Yes	Yes	Yes	No
CT	Yes	Yes	No	No
DC	Yes	Yes	No	Yes
DE	No	Yes	Yes	Yes
FL	Yes	Yes	Yes	Yes
GA	Yes	No	No	No
HI	No	No	No	No
ID	No	Yes	Yes	No
IL	Yes	Yes	No	No
IN	Yes	Yes	Yes	Yes
KS	No	No	Yes	No
KY	No	No	No	No
LA	Yes	No	Yes	Yes
MA	No	No	Yes	Yes
MD	Yes	Yes	Yes	Yes
ME	Yes	Yes	Yes	Yes
MI	No	Yes	No	No
MN	Yes	No	No	No
MO	Yes	No	No	No
MS	No	No	Yes	No
MT	No	No	Yes	No
NC	No	Yes	Yes	No
ND	No	No	No	No
NE	No	No	No	No
NH	Yes	No	No	No
NJ	No	No	No	Yes
NM	No	Yes	Yes	No
NV	No	Yes	No	No
NY	No	No	Yes	No
OH	Yes	Yes	Yes	Yes
OK	Yes	Yes	No	No
OR	Yes	Yes	Yes	Yes
PA	Yes	Yes	Yes	Yes
PR	Yes	No	Yes	Yes
RI	Yes	Yes	Yes	Yes
SC	Yes	Yes	Yes	No
SD	No	No	No	No
TN	Yes	Yes	Yes	Yes
TX	No	Yes	Yes	No
UT	Yes	Yes	Yes	No
VA	Yes	No	Yes	No
VT	Yes	Yes	Yes	No
WA	Yes	Yes	Yes	Yes
WI	Yes	Yes	Yes	No
WV	No	No	Yes	No
WY	No	No	No	No
totals	Y=31	Y=30	Y=31	Y=17

Table A27. Non-regulatory state programs and activities to protect natural resources and functions of floodplains.

	Public Information	Habitat preservation	Watershed councils	Open space	Easement	Disclosure of hazard	Deed Restrictions	Dune/beach restoration
AK	X	X	X			X		
AL	X	X	X		X			X
AR	X		X	X				
AZ								
CA	X	X	X	X	X	X	X	X
CO	X			X	X			
CT		X	X	X	X	X	X	
DC	X		X	X		X		
DE	X					X		X
FL	X	X	X	X	X	X	X	X
GA		X		X	X			
HI	X	X				X		
ID								
IL	X	X	X	X		X		X
IN	X	X			X	X	X	X
KS			X			X		
KY			X	X				
LA		X	X			X		
MA	X	X	X	X	X	X	X	X
MD	X	X	X	X	X	X	X	X
ME		X		X	X			X
MI	X	X	X	X	X		X	X
MN	X	X	X	X	X		X	
MO	X	X		X	X		X	
MS	X	X						
MT			X			X		
NC		X						X
ND		X						
NE								
NH	X	X	X	X				
NJ	X	X	X	X				X
NM	X							
NV	X							
NY	X	X	X	X	X	X		X
OH	X	X	X	X	X	X		X
OK	X	X	X		X		X	
OR	X		X		X	X		X
PA	X	X	X	X	X		X	X
PR	X				X	X		X
RI	X	X	X	X	X	X	X	X
SC	X	X	X	X			X	X
SD								
TN	X						X	
TX	X	X	X	X	X	X	X	X
UT	X							
VA	X	X	X	X	X	X	X	
VT						X		
WA	X	X	X	X	X	X	X	X
WI	X	X	X	X	X	X	X	X
WV		X	X	X	X		X	
WY	X							
total	36	32	30	27	25	24	19	22

Table A28. State regulatory approaches to protecting natural resources and functions of floodplains.

	Are federal activities/regulations contributing to flooding or resource loss?	What activities exempt from local authority are regulated by state?	Exemptions to local authority are																					
			Contributing to flood damage		Having no effect	why	Reducing damage		Contributing to natural floodplain restoration	Having no effect on natural floodplain resources	Causing natural floodplain resource loss or degradation													
			Greatly	Somewhat			Somewhat	Greatly																
AL	No	Both public and private utilities.					X																	
AR	No	State property/facilities.						X																
AZ	Yes, Construction funded by Federal Highways seems to ignore state requirements.	Transportation facilities.		X																			X	
CA	Yes Some agencies.	All except small drainage basins.			X																		X	
CO	No									X													X	
CT	No	State								X													X	
DC	No									X													X	
DE	No									X	Generally not in flood hazard areas.												X	
FL	No	None								X													X	
GA	No	State property & facilities.								X	Avoiding floodplain devlpmnt													

Exemptions to local authority are													
	Are federal activities/regulations contributing or to flooding or resource loss?	What activities exempt from local authority are regulated by state?	Contributing to flood damage				Having no effect	why	Reducing damage		Contributing to natural floodplain restoration	Having no effect on natural floodplain resources	Causing natural floodplain resource-loss or degradation
			Greatly	Somewhat	Greatly	Somewhat							
HI	Yes US Fish and Wildlife fish ponds in floodways.	State law defers to the county law on agriculture due to Home Rule		X								X	
ID	No			X								X	
IL	Yes USACE lease cabins in the floodway are big repetitive loss problem	Exempt from state & local				X	Minor farming activities.					X	
IN	No					X				X			
KS	Yes Environmental considerations not thoroughly addressed.	Public utilities.		X								X	
KY	Yes Surface mining coal	Small drainage basins.		X								X	
LA	No	State											
LA	No	none					X	Unknown				X	
MA	No	State property & facilities & some federal property & facilities		X								X	

Exemptions to local authority are												
Are federal activities/regulations contributing or flooding or resource loss?	What activities exempt from local authority are regulated by state?	Contributing to flood damage				Having no effect	why	Reducing damage		Contributing to natural floodplain restoration	Having no effect on natural floodplain resources	Causing natural floodplain resource-loss or degradation
		Greatly	Somewhat	Somewhat	Greatly							
MD No	Utilities, state projects, mining, forestry				X	Most regulated by state or locally.					X	
ME No	State-projects subject to governor's EO which we advise but do not enforce. We force EO 11988 on any fed. funded projects.						X					
MI No	Forestry and agriculture.			X								X
MN Yes By allowing development in floodplains.												
MO Yes Federal projects like levees, roads, etc.				X								X
MS No				X							X	
MT Yes EPA funding projects to assist.					X						X	

Exemptions to local authority are											
Are federal activities/regulations contributing to flooding or resource loss?	What activities exempt from local authority are regulated by state?	Contributing to flood damage			Having no effect	why	Reducing damage		Contributing to natural floodplain restoration	Having no effect on natural floodplain resources	Causing natural floodplain resource-loss or degradation
		Greatly	Somewhat	Greatly			Somewhat				
NC	No	State facilities, transportation facilities regulated by the state.			X	State facilities & state transportation facilities regulated by state				X	
ND	No										
NE	No	None									
NH	No										
NJ	No	Both						X		X	
NM	No	Public utilities		X							X
NV	No										
NY	No	State property & facilities & public utilities.		X							X
OH	Yes	MHP - By State (3733.01 ORD), Power Facilities Under 4906 (ORC, Infectious Waste Facilities (3734 ORC))									X
	Spotty compliance with EO1988. Inconsistent interpretation/enforcement of Clean Water Act fill & wetland criteria allow degradation of natural resources										

Exemptions to local authority are											
	Are federal activities/regulations contributing to flooding or resource loss?	What activities exempt from local authority are regulated by state?	Contributing to flood damage		Having no effect	why	Reducing damage		Contributing to natural floodplain restoration	Having no effect on natural floodplain resources	Causing natural floodplain resource-loss or degradation
			Greatly	Somewhat			Somewhat	Greatly			
OK	No	Floodplain development on state owned or operated property is regulated by OWRB,								X	
OR	Yes	Allowing elevation on fill reduces flood storage.		X							X
PA	No	Suspect that some of federal projects are indirectly doing so. (highways and water sewer projects) via spinoff development.		X	X	Compliance with state and federal NFIP regs to an extent is on the surface.				X	X
PR	No	Agriculture and some recreation uses.			X	No new encroachment allowed unless an H&H is done.				X	

Exemptions to local authority are												
	Are federal activities/regulations contributing to flooding or resource loss?	What activities exempt from local authority are regulated by state?	Contributing to flood damage			Having no effect	why	Reducing damage		Contributing to natural floodplain restoration	Having no effect on natural floodplain resources	Causing natural floodplain resource-loss or degradation
			Greatly	Somewhat	Greatly			Somewhat				
RI	Yes	State, federal, other governments, agriculture, public/private utilities, small projects, transportation.			X					X		
SC	Yes	wetlands permitting & structural bias			X							X
SD	No											
TN	Yes	Construction in National Park areas can be a problem.			X							X
TX	No											
UT	No				X							X
VA	No	State properties/facilities			X							X
VT	No	Agriculture and forestry.			X						X	

Exemptions to local authority are												
Are federal activities/regulations contributing to flooding or resource loss?	What activities exempt from local authority are regulated by state?	Contributing to flood damage			Having no effect	why	Reducing damage			Contributing to natural floodplain restoration	Having no effect on natural floodplain resources	Causing natural floodplain resource-loss or degradation
		Greatly	Somewhat				Somewhat	Greatly				
WA Yes Dam operations can alter flood flows. Also sedimentation can create erosion/accretion problems.	none				X	Balance between benefits/problems.					X	
WI No	State property				X	Not sure					X	Not sure
WV Yes Mining does not require run-off to be identical to previous; FEMA regs allow 1-foot rise.	All			X								X
WY No												
total Y=16		0	20	17			3	1	3	17	20	

Table A29. Ongoing or frequent coordination between the state floodplain management program and state natural resources programs.

	Soil erosion	Wetlands	Coastal Zone	Shoreland
AK			X	
AL				
AR	X			
AZ				
CA			X	
CO				
CT		X	X	X
DC	X	X	X	X
DE			X	X
FL	X	X	X	X
GA				
HI	X	X	X	X
ID				
IL		X		
IN				
KS	X	X		X
KY	X	X		
LA				
MA		X	X	
MD		X		
ME				X
MI	X	X	X	X
MN				X
MO				
MS				
MT	X			
NC			X	X
ND				
NE				
NH	X	X		
NJ	X	X	X	
NM		X		
NV				
NY			X	X
OH				
OK				
OR		X	X	X
PA	X	X	X	X
PR			X	X
RI			X	X
SC			X	
SD				
TN				
TX				
UT				
VA				
VT				
WA		X	X	X
WI	X	X	X	X
WV	X			
WY				
total	13	17	19	17

Table A30. Incentives offered by states to preserve floodplain resources and functions.

State	Tax breaks for land	Reduced property tax	Reduced income tax	Reduced inheritance tax	Other tax break	Other (non-tax) incentives
AK						
AL						
AR						
AZ						
CA	X	X				
CO		X				GOCO Program funds to buy floodplain lands for open space and trail systems.
CT	X					
DC						
DE						
FL	X	X			X	Reduced flood insurance premiums through the NFIP/CRS
GA	X	X				Greenspace Program.
HI						
ID						
IL	X					None for floodplains. Tax breaks for forest or wildlife habitat preservation.
IN						Classified Wildlife Habitat Program.
KS						Ag conservation Programs.
KY						None
LA	X	X				404 permits.
MA						
MD	X	X				Wetlands regulations, critical areas legislation (esp. 100-ft. buffer), sensitive areas, various easement purchase programs.
ME						Our multiple layers of regulations have greatly reduced development in Floodplain Programs remain with redevelopment of historic downtown.
MI	X	X				None other than CREP (Conservation Reserve Program, NRCS)
MN						"Reinvestment in Minnesota-RIM" Flood Damage Reduction cost share program. Wetland Conservation Act, Scenic Easement, Scientific and Natural.
MO						
MS						
MT						Some programs thru the NRCS, but that's it. Other than State Floodplain Regulations, not allowing development in the floodway.
NC	X	X	X			

State	Tax breaks for land	Reduced property tax	Reduced income tax	Reduced inheritance tax	Other tax break	Other (non-tax) incentives
ND						
NE						
NH						
NJ						
NM	X	X	X			
NV						None
NY						
OH						Most incentives tied to other programs. (agricultural, preserves, land trust.) Biggest incentive may be fed/state dollars for mitigation (HMGP or USACE to restore natural FP)
OK						Local level - NRCS has programs.
OR						
PA						Grants and technical assistance are offered by DCNR.
PR						Unknown.
RI						
SC	X	X				CRS
SD						
TN						
TX						
UT						
VA	X		X		X	DCR designates conservation reserves and natural area preserves. State's Soil and Water Cons. Districts obtain easements downstream of their dams in the dam's "breach inundation zone"
VT						
WA						State funding to local governments from FCAAP and to protect endangered species. Funding incentives for capital improvement projects to governments that meet certain regulatory criteria.
WI						Managed forest law
WV						Farmland preservation legislation authorizing counties to bank open space (many time floodplain).
WY						Reclamation of open pit coal mining operation. Nothing for floodplain land.
totals	12	10	3	0	2	

Table A31. Foundations of state mitigation programs.

	Governor's executive order for hazard mitigation	Dedicated state fund to carry out mitigation	Dedicated fund explanation	Role of Floodplain Management Program in review of local applications for mitigation-		
				Very involved	Minimally involved	None
AK	X		All linked with federal HMGP, FMA, etc. But State pays local match in many cases.			X
AL	X				X	
AR		X	General revenue.		X	
AZ	X	X	Governor's Emergency Fund of \$4M annually. 12 State agencies & 2 legislative representatives make decisions.		X	
CA	X	X	FEMA and State Fund ; OES			X
CO			Case by case projects to CWCB for individual consideration.	X		
CT	X	X	Bonds, SHMO	X		
DC				X		
DE				X		
FL		X	Emergency Management Preparedness and Assistance Trust Fund, Residential Construction Mitigation Program, Communities Trust Program, State Housing Initiative Program among others.	X		
GA						X
HI				X		
ID						X
IL		X	State budget item IL DNR/OWR	X		
IN						X
KS					X	
KY					X	
LA					X	
MA				X		
MD	X	X	State bond funds. Flood Mitigation Division, MDE with approval of Board of Public Works.	X		
ME					X	
MI	X			X		
MN	X	X	State General funding and bond funding.	X		
MO		X	General revenue dollars \$100,000 for FMA match. The fund is administered by SHMO.		X	
MS	X		General Fund		X	
MT					X	
NC	X				X	
ND			Only state matching dollars of 10% on HMGP grants which are post-disaster North Dakota Division of Emergency Management administers.		X	
NE					X	
NH	X			X		
NJ	X		Governor's Emergency Services Fund		X	

	Governor's executive order for hazard mitigation	Dedicated state fund to carry out mitigation	Dedicated fund explanation	Role of Floodplain Management Program in review of local applications for mitigation-		
				Very involved	Minimally involved	None
NM	X				X	
NV				X		
NY					X	
OH	X		Not award of a line item or dedicated mitigation fund.			
OK			HB1841 - have the law-account, but no dollars. Emergency fund for public infrastructure up to \$250,000 per entity.	X		
OR	X				X	
PA	X				X	
PR		X	Hazard Mitigation Grant Program, managed by the GAR; FMA managed by the PR State EMA (PRSEMA)	X		
RI	X	X	Was FMA, now PDM.	X		
SC	X					X
SD					X	
TN		X	Emergency Management Agency.	X		
TX				X		
UT					X	
VA	X	X	One percent surcharge collected from flood insurance policies and placed in the Flood Prevention and Protection Assistance Fund.	X		
VT					X	
WA		X	Flood Control Assistance Account Program (FCAAP) a separate account funded by State General Fund monies at \$4M / biennium.	X		
WI		X	Bonding, DNR	X		
WV				X		
WY						X
Total	19	15		22	21	7

Table A32. Flood and hazard mitigation coordination in the states.

	Coordination between Floodplain Management Program and State Hazard Mitigation Officer			Hazard Mitigation Council or similar coordinating body?	Hazard Mitigation Council established by			Hazard Mitigation Council or similar, describe	State coordination of flood mitigation planning mandatory?
	Extensive	Some	Minimal or none		Executive Order	Legislative action	Other		
AK	X			Yes			X	Governor's office designation. of State Haz Mit Plan Adv. Comm. Disaster Policy Cabinet	No
AL		X		No					No
AR		X		Yes	X				No
AZ	X			Yes			X		Yes
CA		X		No					No
CO		X		Yes	X			No longer active - New governor does not support council activities.	No
CT	X			Yes			X	Letter signed by governor.	No
DC	X			Yes			X	By Laws for the DC LEPC, Inc.	Yes
DE		X		Yes			X		No
FL	X			Yes			X	Sec. of Dept. of Comm. Affairs requested some state agencies, local ities, and private orgs to designate rep to State Hazard Mitigation Advisory Team.	No
GA		X		No					No
HI	X			No					No
ID			X	No					No
IL	X			Yes			X	No official status. An informal group that meets monthly.	No
IN		X		No					No
KS		X		Yes	X				Yes
KY	X			Yes			X		No
LA		X		Yes	X				Yes
MA	X			Yes			X	Ad hoc committee	Yes
MD			X	Yes			X		No
ME			X	No					No
MI	X			Yes	X				Yes
MN	X			Yes	X			Staffed by DEM; members are select state and federal agencies.	No
MO	X			No					No
MS	X			No					No
MT	X			No					No

	Coordination between Floodplain Management Program and State Hazard Mitigation Officer			Hazard Mitigation Council or similar coordinating body?	Hazard Mitigation Council established by			Hazard Mitigation Council or similar, describe	State coordination of flood mitigation planning mandatory?
	Extensive	Some	Minimal or none		Executive Order	Legislative action	Other		
NC		X		Yes					No
ND		X		Yes				Voluntary participation by state agencies, called the State Mitigation Team	No
NE		X		Yes	X				No
NH	X			Yes			X	A hazard mitigation team.	No
NJ		X		Yes	X				No
NM		X		No					Yes
NV	X			Yes			X		No
NY		X		No					Yes
OH	X	X		Yes				X Haz. Mit Team was created and active in 1997, 98, 99 and 2000 disasters. OEMA is drafting legislation for formal team creation .	Yes
OK	X			Yes			X	State Haz Mit Team by law.	No
OR	X			Yes	X				Yes
PA	X	X		Yes			X	Project Review Committee established by Administrative Directive.	No
PR	X			Yes	X			P.R. State Law 211 "Interagency Hazard Mit Committee"	Yes
RI	X			Yes					No
SC	X			Yes	X				Yes
SD		X		No					No
TN	X			Yes				X	Yes
TX	X			Yes				X State Hazard Mitigation Team, of about 10 agencies.	No
UT	X			No					Yes
VA	X			No					No
VT			X	Yes				X	No
WA	X			Yes					No
WI	X			Yes				X	No
WV	X			No					Yes
WY		X		Yes	X			Established after 1986 flood but task force is not active.	No
totl	30	19	4	Y=35	12	5	14		15

Table A33. State activities in administration of the Hazard Mitigation Grant Program.

State	Does the floodplain management agency administer the HMGP?	If not, have input into HMGP decisions?	Review project applications	Prioritize projects	Assist in plan development	Select projects	Conduct outreach	Do final project inspection	Conduct environmental review	Conduct benefit/cost analyses
AK	No	Yes			X					
AL	No	No			X					
AR	No	Yes	X						X	
AZ	Yes	No	X	X	X			X		
CA	Yes	Yes	X	X	X	X	X	X	X	X
CO	No	No	X	X	X			X	X	X
CT	Yes	No	X	X	X	X	X	X	X	X
DC	No	Yes	X		X					
DE	No	Yes								
FL	Yes	Yes	X	X	X		X	X	X	X
GA	No	No								
HI	No	Yes	X	X	X	X				
ID	No	No								
IL	No	Yes	X	X	X	X	X	X		
IN	No	No								
KS	No	Yes	X	X	X	X			X	
KY	Yes	Yes	X	X	X	X	X	X	X	X
LA	No	Yes	X	X	X	X				
MA	Yes	No	X	X	X	X	X	X		
MD	No	Yes	X	X	X	X				
ME	No	Yes	X	X	X					
MI	No	Yes	X	X	X	X			X	
MN	No	Yes	X	X	X	X	X			
MO	Yes	No	X	X		X	X			X
MS	Yes	No					X			
MT	No	Yes	X	X	X	X				
NC	Yes	No	X	X	X	X	X	X	X	X
ND	No	Yes	X	X	X					
NE	No	Yes	X	X	X					X
NH	Yes	No	X	X	X	X	X	X		
NJ	No	Yes	X	X						
NM	Yes	No								

State	Does the floodplain management agency administer the HMGP?	If not, have input into HMGP decisions?	Review project applications	Prioritize projects	Assist in plan development	Select projects	Conduct outreach	Do final project inspection	Conduct environmental review	Conduct benefit/cost analyses
NV	No	No								
NY	No	Yes	X	X						
OH	No	Yes	X	X		X	X		X	
OK	No	Yes								
OR	No	Yes	X	X		X				
PA	No	Yes	X	X						
PR	No	Yes								
RI	Yes	No								
SC	No	Yes		X						
SD	Yes	No	X	X		X	X	X		X
TN	No	Yes	X	X		X	X			
TX	No	Yes	X	X			X		X	
UT	Yes	No	X	X		X	X	X		
VA	No	Yes	X	X			X			
VT	No	Yes	X	X		X				
WA	No	Yes	X	X		X				
WI	No	Yes	X							
WV	Yes	No	X				X			
WY	Yes	No	X	X		X	X			
total	Y=16	Y=32	38	34	29	22	18	13	11	9

Table A34. State activities in the administration of the Flood Mitigation Assistance program.

State	Does floodplain management agency administer FMA?	If not, have input into FMA decisions?	Review project applications	Prioritize projects	Assist in plan development	Conduct outreach	Select projects	Do final project inspection	Conduct environmental review	Conduct benefit/ cost analyses
AK	Yes	No	X	X	X	X	X	X	X	X
AL	No	Yes			X					
AR	No	No	X						X	
AZ	Yes	No	X	X	X	X	X	X		
CA	Yes	Yes	X	X	X	X	X	X	X	X
CO	Yes	No	X	X	X	X	X	X	X	X
CT	Yes	No	X	X	X	X	X	X	X	X
DC	No	No	X		X	X	X	X	X	X
DE	Yes	No	X	X	X	X	X	X	X	X
FL	Yes	Yes	X	X	X	X	X	X	X	X
GA	No	No								
HI	Yes	No	X	X	X	X	X	X	X	X
ID	No	No								
IL	No	Yes	X	X	X	X	X	X		
IN	No	No								
KS	No	Yes	X	X	X	X	X	X	X	X
KY	Yes	Yes	X	X	X	X	X	X	X	X
LA	No	Yes	X	X	X	X	X	X		
MA	Yes	No	X	X	X	X	X	X	X	X
MD	No	Yes	X	X			X	X		
ME	No	Yes	X		X					
MI	No	Yes							X	
MN	Yes	No	X	X	X	X	X	X	X	
MO	Yes	No	X	X	X	X				
MS	Yes	No				X				
MT	Yes	No	X	X	X	X	X	X	X	X
NC	Yes	No	X	X	X	X	X	X	X	X
ND	Yes	No	X	X	X	X	X	X	X	X
NE	Yes	No	X	X	X	X	X	X	X	X
NH	Yes	No	X	X	X	X	X	X		
NJ	No	Yes	X	X						
NM	Yes	No	X	X	X	X	X	X	X	X

State	Does floodplain management agency administer FMA?	If not, have input into FMA decisions?	Review project applications	Prioritize projects	Assist in plan development	Conduct outreach	Select projects	Do final project inspection	Conduct environmental review	Conduct benefit/ cost analyses
NV	Yes	No	X	X	X	X	X			
NY	No	Yes	X	X						
OH	No	Yes	X	X	X	X	X			
OK	No	Yes			X					
OR	No	Yes	X	X	X		X			
PA	No	Yes	X	X						
PR	No	Yes								
RI	Yes	No	X	X	X	X	X	X	X	X
SC	Yes	No								
SD	Yes	No	X	X	X	X	X	X		
TN	No	Yes	X	X	X	X	X			
TX	No	Yes	X	X		X			X	
UT	Yes	Yes	X	X	X	X	X			
VA	Yes	No	X	X	X	X				
VT	No	Yes	X	X	X		X			
WA	No	Yes	X	X	X		X			
WI	No	Yes			X					
WV	Yes	No	X		X	X				
WY	Yes	No	X	X	X	X	X	X		
totals	Y=27	23	41	35	38	31	30	21	19	15

Table A35. State involvement in flood warning systems.

	State or local flood warning systems in place?	If yes, describe
AK	Yes	City & Borough of Juneau has a warning system downstream of a high hazard dam. City of Valdez has a tsunami warning system. Others may have tsunami but these are 2 examples.
AL	Yes	Alabama Power Company maintains extensive network on APCo controlled rivers.
AR	Yes	Hot Springs - Sirens in downtown tourist area.
AZ	Yes	About 10 years ago the State began installation of statewide ALERT system. This year there have been no new installations, just maintenance.
CA	Yes	ALERT System, DWR's Flood Operation Center.
CO	Yes	UD & FCD covering the Denver Metro Area, Colorado Springs, Fort Collins and Others.
CT	Yes	State wide flood warning system with 10 local basin systems - state maintenance for all repairs.
DC	Yes	Telemetric Station in Watts Branch is used for flash flood warnings through coordination with the NWS and the Mayor's Command Center.
DE	No	
FL	Yes	The state utilizes local, state, and federal data or information to conduct flood warnings.
GA	Yes	Primarily for Tornado Warning.
HI	Yes	Flood warning system established for a flood control levee to protect residents of a subdivision downstream of a flood control levee.
ID	No	
IL	No	
IN	Yes	Some local communities have systems.
KS	No	
KY	Yes	Many communities have implemented sirens and ring-down systems for impending flood hazards.
LA	Yes	TV weather advisories & Amite River Basin Commission has Louisiana Hydrowatch Flood tracking information in place at www.amitebasin.org
MA	No	
MD	Yes	
ME	No	
MI	Yes	Some privately owned to protect company owned facilities.
MN	Yes	
MO	No	
MS	Yes	Sirens
MT	Yes	Local only
NC	Yes	I-Flows - Western NC counties
ND	Yes	Very few. I.e. One system is tied into rainfall monitoring with a Corps levee project as part of the O&M.
NE	Yes	A few systems that were part of USACE projects.
NH	Yes	NAWAS, Stream Gaging network operated by NH DES
NJ	Yes	Passaic River Basin FWS, Delaware River Basin FWS, Somerset County FWS (Raritan River Basin) Coastal FWS (NJDOT)

	State or local flood warning systems in place?	If yes, describe
NM	No	
NV	Yes	Clark County and Washoe County.
NY	Yes	There are several regional systems in Chemung Co, Schohomie Co, others.
OH	Yes	Ohio has a rain & snow monitoring system that measures precip & relates to triggers for flood response & warning.
OK	Yes	Local, depends on each community.
OR	Yes	Some local systems
PA	Yes	Lycoming County - USGS & County Gates automated and volunteered. USGS - SRBC - NWS/NOAA
PR	Yes	Response not on time.
RI	No	
SC	Yes	IFLOWS
SD	Yes	Local entities are getting these systems in place.
TN	Yes	Some local governments & TVA have systems in place.
TX	Yes	Some river authorities have initiated these.
UT	Yes	Utah County has sirens for flooding and colored flags showing higher risk days for flooding or debris flows in burned areas.
VA	Yes	VA Dept. of Emer Mgmt partners with the NWS to manage the Integrated Flood Observing and Warning Systems (IFLOWS) which is also used extensively in several local governments in Virginia's Roanoke, New, and Shenandoah River watersheds.
VT	Yes	High water alarm in Brattleboro
WA	Yes	Local programs include: purchase of NOAA weather radios; automated telephone systems; sirens; upland gages, with snowpillows and other hazards warnings (volcano, lakes, tsunami).
WI	No	
WV	Yes	IFLOWS interactive system in a number of county warning points throughout the state.
WY	Yes	USGS, National Weather Service, Bureau of Reclamation
total	41	

Table A36. State involvement in stream gaging.

	State contributes funds to USGS gaging?	State operates a stream gaging program (separate from USGS)					
		State operates	Funds gages owned by others	Requires gages as part of permit	Installs and maintains gages, including update of rating curves	Collects gage data regardless of owner	State program funds or provides flood data
AK	Yes	No					
AL	Yes	No					
AR	No	No					
AZ	Yes	Yes	No	No	Yes	Yes	Yes
CA	No	Yes	No	No	Yes	Yes	Yes
CO	Yes	Yes	Yes	No	Yes	Yes	Yes
CT	Yes	Yes	No	Yes	Yes	Yes	Yes
DC	Yes	No					
DE	No	Yes	No	No	Yes	Yes	Yes
FL	Yes	Yes	No	No	Yes	Yes	Yes
GA	Yes	Yes	No	No	Yes	Yes	No
HI	Yes	Yes	No	Yes	No	No	No
ID	Yes	No					
IL	Yes	Yes	Yes	No	Yes	Yes	Yes
IN	Yes	No					
KS	Yes	Yes	Yes	No	Yes	Yes	No
KY	No	No					
LA	Yes	No					
MA	Yes	No					
MD	Yes	No					
ME	Yes	No					
MI	Yes	No					
MN	Yes	Yes	No	Yes	Yes	Yes	Yes
MO	Yes	No					
MS	No	No					
MT	Yes	Yes	No	No	Yes	No	No
NC	No	Yes	No	No	Yes	No	Yes
ND	Yes	No					
NE	Yes	Yes	No	Yes	Yes	Yes	Yes
NH	Yes	No					
NJ	Yes	No					
NM	No	No					
NV	No	No					
NY	Yes	No					
OH	Yes	No					
OK	Yes	Yes	No	No	Yes	No	Yes
OR	Yes	Yes	No	No	Yes	No	Yes
PA	Yes	No					
PR	Yes	No					
RI	Yes	No	Yes	No	No	No	Yes
SC	Yes	No					Yes
SD	Yes	Yes	No	Yes	Yes	No	No
TN	No	No					
TX	No	No					
UT	No	No					
VA	No	Yes	No	Yes	No	No	No
VT	Yes	No					
WA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WI	Yes	No					
WV	Yes	No				Yes	Yes
WY	Yes	No	No	No	No	No	No
Tota	39	19	5	7	17	13	15

Table A37. Statewide newsletters on floodplain management.

	State newsletter covering floodplain management							Distribution				
	State has	Published by state floodplain management office	Published by state association	Published jointly	Focused on floodplain management	Part of other news-letter	Hard copy	Electronic	Posted on website	Readership	Issues per year	Number dist. each issue
AK												
AL	X	X			X		X			Flood ordinance administrators, Federal and state partners including engineers, real estate, public utilities, and regional planning commissions.	3	700
AR	X		X		X		X	X	X	Floodplain ADM, mayor, county judges, lots of others, municipal, AFM members,	4	1000
AZ	X	X	X		X		X	X	X	All community CEOs, Floodplain managers and emergency managers.	4	400
CA	X	X			X		X		X	Local communities, state and federal agencies, libraries, water agencies, any person interested in FPM.	2	2500
CO	X	X	X	X	X		X	X	X	All community floodplain managers, emergency officials and elected officials	2	900
CT	X	X			X			X	X	Local municipalities, engineering and consulting firms, etc.	4	0
DC	X						X	X	X	General public	4	3000
DE	X	X					X			Towns, counties, insurance agents, engineers, surveyors.	1	2500
FL	X						X	X		City, county, and state personnel	0	0
GA	X	X			X		X		X	Local officials, State and Federal agencies and private organization.	4	1200

State newsletter covering floodplain management										Distribution		
State has	Published by state floodplain management office	Published by state association	Published jointly	Focused on floodplain management	Part of other news-letter	Hard copy	Electronic	Posted on website	Readership	Issues per year	Number dist. each issue	
HI	X			X		X	X		Anyone interested in floodplain management.	4	250	
ID	X			X		X			Local government elected officials, state agencies, realtors, insurance agents, Engineers	4	800	
IL	X		X						Subscription. Mostly fishing/hunting, next to nothing on FPM	12	0	
IN	X			X		X		X	Local officials, banks, realtors, general public.	2	1307	
KS	X					X	X	X	All local floodplain managers, other state agencies, other interested parties.	4	375	
KY										0	0	
LA	X					X	X	X	FPA's, engrs, real estate agents, insurance agents, state legislators, private citizens, state library, levee districts, etc.	4	850	
MA												
MD	X			X		X	X		NFIP local contacts	2	130	
ME												
MI	X					X	X	X	All local communities, all consultants, drain commissioners, emerg. managers, county road commissioners.	4	2600	
MN	X			X		X	X	X	Local governments, state agencies, FEMA Region 5, to all state NFIP coordinators	3	0	
MO	X			X		X	X	X	All floodplain administrators, city officials, local emergency management directors and community officials	4	2500	

State newsletter covering floodplain management										Distribution		
	State has	Published by state floodplain management office	Published by state association	Published jointly	Focused on floodplain management	Part of other news-letter	Hard copy	Electronic	Posted on website	Readership	Issues per year	Number dist. each issue
MS	X						X			County EMA Directors.	40	
MT												
NC	X		X		X		X	X	X	Association members, all other local floodplain administrators, other state associations	3	600
ND	X						X			Wide variety of officials & special interest groups	6	0
NE	X	X			X		X		X	All local floodplain administrators.	1	500
NH												
NJ												
NM	X		X		X		X	X		New Mexico Association of Floodplain Managers Association	4	120
NV	X	X			X		X		X	Local floodplain management officials, local elected officials, consultants, federal, state, and local agencies.	2	800
NY												
OH	X	X			X		X		X	Local FPMs, State Agencies, local elected officials, Fed. Partners, State and Local EMAS, Consultants, lenders, agents, design prof. Conserv. Districts, and concerned citizens.	2	1500
OK	X		X	X			X	X	X	All communities in the state plus more.	4	1000
OR	X				X		X		X	Local government planners, building officials state agencies, some engineers/surveyors	4	300
PA												
PR												

State newsletter covering floodplain management										Distribution			
State has	Published by state floodplain management office	Published by state association	Published jointly	Focused on floodplain management	Part of other news-letter	Hard copy	Electronic	Posted on website	Readership	Issues per year	Number dist. each issue		
RI													
SC													
SD	X			X		X			All local floodplain managers	4	250		
TN													
TX													
UT	X			X		X	X	X	Local floodplain managers, city & county engineers, stormwater managers, private engineering firms, emergency managers.	4	380		
VA	X		X	X		X		X	Association membership and 1-3 local officials per community in position pertinent to floodplain management activities	3	500		
VT													
WA	X							X	Open to public access. A printed newsletter relating to water/land management was published on a monthly , then quarterly basis until discontinued in 2002.		500		
WI	X			X					Local officials, department staff, other states	3	900		
WV													
WY	X			X		X	X	X	Floodplain Administrators, State and local Agencies, Local and County Elected Officials	4	0		
total	35	8	3	24	4	31	18	23			28,350		

Table A38. State floodplain management websites and databases.

	State floodplain management website or database	Website address	Database description
AK	Yes	www.dced.state.ak.us/cbd/nfip/nfip.htm	Community status, pop/demographics, infrastructure, local contact e-mails etc. Map Mod data map needs.
AL	No		
AR	Yes	www.arkansasflood.org	Floodplain, major county member addresses.
AZ	Yes	www.AZFMA.org	Names & addresses of community contacts, including CEOs, CAV dates, Ordinance dates.
CA	Yes		Mapping data
CO	Yes	cwcb.state.co.us	Many activities, floodplain mapping, special projects, flood outlooks and news releases.
CT	Yes	n.a.	Mapping needs database for towns.
DC	No		
DE	Yes	www.dnrec.state.de.us	
FL	Yes	www.dca.state.fl.us/brm/nfip.htm & dca.state.fl.us and	
GA	No		
HI	No		
ID	No		
IL	Yes	www.dnr.state.il.us/waterresources also Illinois association	State regulations, FP information, guidebooks, references, links, etc.
IN	Yes	www.ai.org/dnr/water	Floodway permits, and floodplain analysis regulatory assessments. Also general floodplain information.
KS	Yes	www.accesskansas.org/kda/	Community name, address, floodplain manager, CEO, CRS status, rep loss structure, last community visit, ordinance status, flooding source. type of map.
KY	Yes	water.nr.state.kyh.us/wr/dwwr.htm	Records of applications/permits/pending permits.
LA	Yes		Permit officials names, communities, mailing and physical address, tel. #, e-mail, CEO, fax #, map date, ordinance date, entry date, website, map notes.
MA	Yes		
MD	Yes	www.state.md.us	Q-3 floodplain lines, orthophoto quarter quads, MD property view, land use data, repetitive loss properties.
ME	Yes	www. Maine, gove/spo/flood	Information too numerous to mention.
MI	No		A new database tracks floodplain services state wide; would contain any relevant floodplain elevations that was given out
MN	No	www.dnr.state.mn.us/waters	
MO	Yes	www.sema.state.mo.us	Names and addresses of local chief officials and floodplain administrators
MS	Yes	www.msema.org/nfip.htm	Rep. loss properties.
MT	Yes	www.dnrc.state.mt.us/wrd/flood.htm	Minimal at present but more data are in the works.

	State floodplain management website or database	Website address	Database description
NC	Yes	ncem.org/mitigation/nfi_p_home and NCAFPM.org	Local adm & NFIP status. Extensive web based data under development will include detailed community data, ordinance data and training needs.
ND	Yes	www.intranet.swc.state.nd.us/projects/fldpl.html	Community Floodplain Managers Address-Telephone
NE	Yes	www.dnr.state.ne.us	All community information.
NH	Yes	www.nhoem.state.nh.u	
NJ	No		
NM	No		
NV	Yes	water.nv.gv/Flood/page	
NY	Yes	www.dec.state.ny.us	Internal use only : CAV, CAC, Regulatory review, technical assistance, restudy requests.
OH	Yes	www.Dnr.state.oh.us/water/floodpln/default.htm	As part of the FP GIS we maintain info on comm. contacts. FIS/MAP status, CAV info, other flood info, regulations of communities. Developing inventory of SFHA structures
OK	Yes	www.owrb.state.ok.us	Floodplain managers directory.
OR	Yes	www.lcd.state.or.us/naturalhazards	
PA	Yes	Currently under development.	DCED is populating a database with map and study statistics and logging info from our required Annual Report Forms.
PR	Yes	www.jp.gobierno.pr	Multiple levels geographic information system, including land uses, hydrology, infrastructure, etc.
RI	Yes		Microsoft Access database contains submit to rate properties, CAV results, repetitive loss properties.
SC	Yes	www.dnr.state.sc.us/water/envaff/flood/scnfip.	Local address list, fpm addresses, policy papers, training, etc.
SD	No	www.state.sd.us/military/sddem/programs.htm	
TN	No		
TX	Yes	www.tceq.state.tx.us	Contact info for local administrator. participation information.
UT	Yes	www.des.utah.gov/nath	
VA	Yes	www.dcr.state.va.us/sw/floodpln.htm & vaflood.org	Record of CAVs,& CACs performed and planned; record of communities requesting mitigation grant funds, flood studies, or updated maps.
VT	No		
WA	Yes	www.ecy.wa.gov/programs/sea/floods	
WI	Yes	www.dnr.state.wi.us	Local contacts, CAV/CAC, ordinance & general info
WV	Yes	http://www.state.wv.us/wvoes/	Contact info of CEO and floodplain managers, level & date of ordinance, whether ord. automatically updates with map changes, names of field personnel, fpm training achieved, Q3 data, CID, Class code, FIS date, building permit#
WY	Yes		Local Floodplain Administrator names and addresses
Totals	Y=39		

Table A39. Public disclosure and outreach within the states.

State	Disclosure of flood hazard		Public awareness/outreach programs	
	Required	Implemented	Required	Implemented
AK	X			
AL			X	
AR				
AZ	X		X	
CA	X	X	X	X
CO	X		X	
CT				
DC	X	X	X	X
DE	X	X		
FL	X	X	X	X
GA	X	X	X	
HI	X		X	X
ID				
IL	X		X	
IN	X		X	
KS	X	X		
KY				
LA	X			
MA				
MD		X	X	
ME				
MI			X	
MN			X	X
MO			X	
MS		X		
MT	X	X	X	
NC				
ND				
NE				
NH	X			
NJ				
NM	X			X
NV	X		X	
NY	X		X	
OH	X	X	X	
OK	X			
OR	X	X	X	
PA	X	X		
PR	X		X	
RI	X	X		
SC				
SD				
TN				
TX	X	X		
UT				
VA			X	
VT	X	X		
WA	X	X		
WI				
WV				
WY				
Totals	27	16	21	6

Table A40. State floodplain management staff participation in training.

State	State floodplain management staff encouraged to attend				
	State	State association	FEMA-sponsored	State emergency	ASFPM
AK			X	X	
AL	X		X	X	X
AR	X	X	X	X	X
AZ	X	X	X	X	X
CA	X	X	X	X	X
CO	X	X	X		X
CT	X		X	X	X
DC			X	X	X
DE	X		X		
FL	X	X	X	X	X
GA	X		X	X	X
HI	X		X	X	X
ID			X		X
IL	X	X	X	X	X
IN	X	X	X	X	X
KS	X	X	X	X	X
KY	X	X	X		X
LA	X	X	X	X	X
MA	X	X	X	X	X
MD	X		X		X
ME	X	X	X	X	X
MI	X	X	X	X	X
MN	X	X	X	X	X
MO	X	X	X	X	X
MS	X	X	X	X	X
MT	X	X		X	X
NC	X	X	X		
ND					X
NE	X		X		X
NH	X		X	X	X
NJ			X	X	
NM	X	X	X	X	X
NV	X	X	X	X	X
NY	X	X	X	X	X
OH	X	X	X	X	X
OK	X	X	X	X	X
OR	X	X	X	X	X
PA	X		X	X	X
PR	X		X		X
RI	X	X	X	X	X
SC	X	X	X	X	X
SD	X		X	X	X
TN	X		X	X	
TX					
UT	X	X	X	X	X
VA	X	X	X	X	X
VT			X		
WA	X	X	X	X	X
WI	X	X	X	X	X
WV	X		X	X	X
WY	X		X	X	X
total	44	30	48	40	44

Table A41. Training for state floodplain management staff.

State	Agency pays for training of state staff	Training time considered work time	Comments	FEMA Regional Office supports field-delivery of EMI courses
AK	Yes	Yes	Training approved if in CAP budget.	
AL	Yes	Yes		X
AR	Yes	Yes	Education brings compliance.	X
AZ	Yes	Yes		
CA	Yes	Yes		X
CO	Yes	Yes		X
CT	Yes	Yes		X
DC	Yes	Yes	Training is sometimes paid for by the DC EMA.	X
DE	Yes	Yes		X
FL	Yes	Yes		X
GA	Yes	Yes		X
HI	No	Yes		X
ID	Yes	Yes		
IL	Yes	Yes		X
IN	Yes	Yes		X
KS	Yes	Yes		X
KY	Yes	Yes		
LA	Yes	Yes		X
MA	Yes	Yes		
MD	Yes	Yes		
ME	Yes	Yes		X
MI	Yes	Yes	Generally the # of participants allowed to go is budget driven. Usually only the state coordinator is paid to attend the annual ASFPM conference. Staff have also been denied the opportunity to attend state association conferences.	X
MN	Yes	Yes		X
MO	Yes	Yes		
MS	Yes	Yes	Travel budget constraints are impacting training opportunities.	X
MT	Yes	Yes	Funding is there to send only CAP person. Without CAP funds, there would be no training.	
NC	Yes	Yes	Budget constraints will limit ability to participate in future training.	X
ND	Yes	Yes	Training activities must be directly related to work responsibilities.	X
NE	Yes	Yes		
NH	Yes	Yes		X
NJ	No	Yes		
NM	Yes	No	Educational time	
NV	Yes	Yes	Training is supported through CAP contract with FEMA	X

State	Agency pays for training of state staff	Training time considered work time	Comments	FEMA Regional Office supports field-delivery of EMI courses
NY	Yes	Yes		X
OH	Yes	Yes		X
OK	Yes	Yes	OWRB supports the program. The State coordinator has a responsibility to seek support and educate senior staff.	X
OR	Yes	Yes		
PA	Yes	Yes		
PR	Yes	No		X
RI	Yes	Yes		
SC	Yes	Yes		X
SD	Yes	Yes		X
TN	Yes	Yes		X
TX	No	Yes		X
UT	Yes	Yes		
VA	Yes	Yes		
VT	Yes	Yes		X
WA	Yes	Yes		X
WI	Yes	Yes		X
WV	Yes	Yes		X
WY	Yes	Yes		X
Total	48	49		35

Table A42. Training provided to others by state floodplain management staff.

	Workshops/training provided to		Training is provided by state floodplain management staff					
	# of attendees last year	# of communities last year	Insurance agents	Lenders	Emergency managers	Public	State staff	Other
AK	250	15	X	X	X	X	X	X
AL	31	12			X		X	X
AR	260	150	X	X	X	X	X	
AZ	0	0			X		X	X
CA	450	250			X		X	X
CO	100	50						
CT	300	50	X	X	X		X	X
DC	0	0			X		X	
DE	250	20	X		X	X	X	X
FL	525	467	X	X	X	X	X	X
GA	83	40		X	X		X	X
HI	85	0						
ID	70	40	X	X	X	X	X	X
IL	500	300	X	X	X	X	X	X
IN	96	44			X	X	X	
KS	150	125			X	X	X	X
KY	50	30	X	X		X		X
LA	194	41	X	X	X	X	X	X
MA	200	200	X	X	X	X	X	X
MD	200	24			X	X		X
ME	150	200	X	X		X	X	X
MI	604	200	X	X	X		X	X
MN	184	145	X	X	X	X	X	X
MO	1053	300	X	X	X	X	X	
MS	200	70			X			X
MT	12	12						
NC	0	0	X	X	X			X
ND	0	0	X	X	X			
NE	20	15	X	X	X		X	
NH	30	30	X	X			X	X
NJ	128	51						X
NM	22	17	X	X	X	X	X	
NV	4	2						X
NY	140	106			X		X	X
OH	50	15	X	X	X	X	X	X
OK	63	63	X		X			X
OR	300	30			X	X	X	X
PA	300	100	X		X		X	
PR	0	0				X	X	
RI	350	39	X	X	X	X	X	X
SC	163	0			X		X	
SD	2	2	X	X	X	X	X	
TN	150	100	X	X		X		X
TX	200	75	X	X	X	X	X	X
UT	90	0	X	X	X		X	
VA	500	0	X		X	X	X	X
VT	0	0						
WA	400	50			X	X	X	X
WI	50	12						
WV	30	26	X	X	X	X	X	X
WY	60	40			X	X		
Total	9,049	3,558	29	26	39	27	36	33

Table A43. State certification and licensing programs for floodplain management.

	State certification program for floodplain managers	State program is ASFPM accredited	CFMs on state floodplain management staff	Licensing required for building officials/ inspectors	CECs required for building officials/ inspectors to maintain license	CECs awarded for state-sponsored floodplain management training
AK			1	X	X	
AL			1			X
AR	X	X	3			X
AZ			0			
CA	X	X	2	X		X
CO	X		3	X	X	
CT			0	X	X	X
DC			0			
DE			1			X
FL	X	X	0	X	X	X
GA			0	X	X	
HI			1	X	X	X
ID			1	X		X
IL	X	X	2			X
IN			3	X	X	X
KS			1			X
KY			0	X	X	
LA			1			X
MA			0	X	X	X
MD			0			
ME			3			X
MI			0	X	X	X
MN			1	X	X	
MO	X	X	4	X	X	X
MS			1		X	X
MT			2	X	X	X
NC	X	X	4	X	X	X
ND			1			
NE			3			
NH			0			
NJ			0	X	X	X
NM	X		1	X	X	X
NV			0			X
NY			2	X	X	X
OH			8	X	X	X
OK	X		5	X	X	X
OR			1	X	X	X
PA			0	X	X	
PR			0	X	X	
RI			0	X	X	X
SC			2	X	X	X
SD			1			X
TN			0	X	X	X
TX	X	X	1		X	X
UT			1	X		
VA	X	X	1	X	X	X
VT			0			
WA			0			
WI			1	X	X	
WV			1			
WY			0			
total	11	8	64	30	29	32

Table A44 State programs and funding for floodplain mapping.

	Program to map natural or human made resources			Funding for flood maps		Funding for other statewide maps		State does engineering studies for flood mapping	State produces floodplain maps	State produces floodplain maps through private entities
	State has	Includes floodplain mapping	Housed in floodplain management agency	Amount	Source	Amount	Source			
AK	X	X	X	\$0		\$0				
AL	X	X	X	\$0		\$0		X		
AR	X			\$0		\$0				
AZ				\$0		\$0				
CA	X	X	X	\$500,000	Varies	\$0		X	X	X
CO	X	X	X	\$500,000	State, FEMA, Corps	\$0		X	X	X
CT	X			\$0		\$0				
DC	X			\$0		\$0		X		
DE	X			\$0		\$0		X	X	X
FL	X	X	X	\$0		\$0		X	X	X
GA	X		X	\$0		\$0		X		
HI				\$0		\$0				
ID	X			\$0		\$0				
IL	X	X	X	\$0	IDNR/Water Resources	\$0		X	X	X
IN	X	X	X	\$0	State funds	\$0	State funds	X	X	
KS	X	X	X	\$70,000	Kansas Water Office	\$0	KDOT, KGS	X		
KY	X	X	X	\$0		\$0		X	X	
LA				\$0		\$0				
MA	X	X		\$0	FEMA Q3	Lots	Lots of places			
MID	X			\$0		\$0				
ME	X	X		\$0		\$0				
MI	X	X	X	\$0		\$0		X	X	
MN	X	X	X	\$200,000	State legislature	\$200,000	Section 22 USACE	X		
MO				\$0		\$0		X		
MS	X	X		\$60,500	FEMA	\$0				
MT	X	X	X	\$0		\$0		X		X

	Program to map natural or human made resources			Funding for flood maps		Funding for other statewide maps		State does engineering studies for flood mapping	State produces floodplain maps	State produces floodplain maps through private entities
	State has	Includes floodplain mapping	Housed in floodplain management agency	Amount	Source	Amount	Source			
NC	X	X	X	\$32,000,000	General Fund - Floyd Recovery	\$0		X	X	X
ND				\$0				X		
NE	X	X	X	\$135,000	CTP Funds.	\$0		X	X	
NH	X	X		\$50,000	FEMA	\$0				
NJ	X			\$0		\$0		X	X	X
NM				\$0		\$0				
NV	X			\$0		\$0				
NY	X	X	X	\$2,500,000	FEMA, state	\$0		X	X	X
OH	X			\$0		\$0		X	X	
OK	X			\$0		\$0				
OR	X	X		\$0		\$0		X		
PA	X			\$0	PennDot (bridges)	\$0	DCNR (USGS)	X		
PR	X	X	X	\$0		\$0				
RI	X	X	X	\$12,000	Flood/multi-risk maps.	\$0				
RI				\$0		\$0				
SC	X		X	\$0		\$0		X	X	X
SD				\$0		\$0				
TN	X			\$0		\$0				
TX	X			\$0		\$0	Multi-source			
UT	X			\$0		\$0	Other agencies, governor's budget			
VA	X			\$0		\$12,000,000	State appropriations			
VT	X			\$0		\$0				
WA	X	X			FEMA	\$0				X
WI	X	X	X	\$0		\$0		X	X	X
WV	X			\$0		\$15,000,000	Verizon			
WY					FEMA					
total	43	24	18					25	15	12

Table A45. Types of base maps states make available to the public.

State	Orthophoto maps		Road maps		Hydrographic maps -		Land cover maps	
	Agency	GIS	Agency	GIS	Agency	GIS	Agency	GIS
AK	X DCED, DCBD	X	X DOT & ASGDC	X	X DNR, DLWM & ASGDC	X	X ASGDC	
AL	X Alabama Geological Survey	X	X Alabama Geological Survey	X	X Alabama Geological Survey	X		
AR								
AZ	X Locals	X	X ADOT					
CA	X USGS	X	X USGS	X	X USGS	X	X USGS	X
CO	X							
CT	X DEP	X	X Many	X			X DEP	
DC	X		X		X		X EHA	X
DE	X State Planning	X	X DOT	X			X DNREC	X
FL	X Water Manager District	X	X DOT	X	X WMD	X	X DEP, WMD	X
GA	X GA GIS Clearinghouse.		X GA DOT		X National Geodetic		X GA Geological Survey	X
HI								
ID	X	X	X	X			X	X
IL	X IL DNR	X	X IL DOT	X	X USGS	X	X IL DNR	X
IN	X		X		X		X	
KS	X DASC	X	X DOT/DASC	X	X DASC	X	X DASC	X
KY	X NREPC	X	X DOT	X				
LA								
MA	X MA GIS	X	X MA GIS	X	X MA GIS	X	X MA GIS	X
MD	X DNR	X	X MDOT	X	X MDE	X	X DNR	X
ME	X Maine Geographic Information Service	X	X Maine Geographic Information Service	X				
MI	X MI CGI	X	X MI CGI	X	X MI CGI	X	X MI CGI	X
MN	X USGS	X	X DNR	X	X DNR	X	X DNR	X
MO	X SEMA	X	X SEMA	X			X SEMA	
MS	X MARIS	X	X MARIS	X	X MARIS	X	X MARIS	X
MT			X DOT					
NC	X NC CGIA	X	X NC CGIA	X	X NC CGIA	X	X NC CGIA	X
ND								
NE	X DNR	X	X Dept. of Roads.	X	X DNR	X	X DNR	X
NH	X OSP	X	X DOT	X	X DES	X		

State	Orthophoto maps		Road maps		Hydrographic maps -		Land cover maps	
	Agency	GIS	Agency	GIS	Agency	GIS	Agency	GIS
NJ							X DEP	X
NM								
NV	X Nev. DOT	X	X Nev. DOT, USGS	X	X USGS	X		
NY	X NYSDEC	X	X NYSDOT	X	X NYSDEC	X		
OH	X USGS	X	X ODOT	X	X USGS	X	X DNR	X
OK	X GIS Council	X	X		X		X	
OR			X ODOT-Univ. of OR	X				
PA	X DCNR, DEP, USGS, DoT	X	X DoT	X	X DEP, DoT			
PR	X USGS	X	X Tigers, DOT	X	X USGS	X	X NRCS	X
RI								
RI	X Department of Statewide Planning	X	X Department of Statewide Planning	X	X Department of Statewide Planning	X	X Department of Statewide Planning	X
SC	X Community		DOT		USGS		X SC DNR	
SD	X	X	X		X	X		
TN			X DOT					
TX	X TNRIS	X	X TCEQ/TNRIS	X	X TCEQ/TNRIS	X	X TNRIS	X
UT								
VA	X VGIN	X	X VGIN	X	X VGIN	X		
VT	X Vermont Mapping Program	X						
WA	X Ecology	X			X Ecology	X	X Ecology	X
WI	X	X	X		X		X	
WV	X USGS and WVU Tech Center	X	X USGS and WVU Tech center.	X				
WY			X DOT					
total	40	34	40	30	30	24	28	21

Table A45 (cont.). Types of base maps states make available to the public.

State	Digital terrain models		Geodetic control maps		Maps of structures -		Other types of maps			
	Agency	GIS	Agency	GIS	Agency	GIS	Agency	GIS	Agency	
AK	X ASGDC		X ASGDC		X ASGDC			See Alaska State Geospatial Data Clearinghouse at www.Asgdc.state.ak.us		
AL	X Alabama	X								
AR										
AZ										
CA	X USGS	X	X USGS	X	X USGS	X	X USGS			
CO	X									
CT			X DOT							
DC	X				X			Planimetric 1:83	OCTO	X
DE			X Geological Survey	X						
FL	X	X	X DOT, USGS	X	X County Property Appraisal	X	X	X Erosion	DEP	X
GA	X GA Geological	X	X GA Geological	X						
HI										
ID	X	X	X	X	X	X	X	X Water Rights		X
IL	X IL DNR	X	X IL DNR	X	X Select counties.	X	X	X		
IN	X	X	X	X	X	X	X			
KS	X DASC	X	X DASC	X	X DASC	X	X	X		
KY										
LA										
MA	X MA GIS	X			X MA GIS	X	X	X		
MD					X MD Planning	X	X	X		
ME										
MI	X MI CGI	X	X MI CGI	X	X MI CGI	X	X	X		
MN										
MO			X DNR	X				Topo 7.5 minute quad maps	SEMA	X
MS	X MARIS	X	X MARIS	X	X MARIS	X	X	X		
MT										
NC	X NC FMP	X	X NC GS	X				parcels	counties	X
ND										
NE	X DNR	X						Many	DNR	X

State	Digital terrain models		Geodetic control maps		Maps of structures -		Other types of maps	
	Agency	GIS	Agency	GIS	Agency	GIS	Agency	GIS
NH								
NJ			X DCT					
NM								
NV	X USGS	X	X US Bureau of Land	X				
NY	X NYSDEC	X					LIDAR in select areas.	X
OH	X Maybe local.	X	X National Geodetic Survey	X	X ODNR Water		PUCO utilities, DAS Political Boundaries, DNR/NRCS-Watersheds.	
OK	X		X		X			
OR								
PA	X USGS, DoT (bridges)	X	X USGS, DoT				PASDA	X
PR	X USGS	X			X Individual Municipalities Tax Center	X		
RI								
RI	X Dept. Statewide Planning	X	X Department of Statewide Planning	X	X Department of Statewide Planning			X
SC			X SCGS				X Waterbodies and water types. Wetland	Dept. Statewide SC DNR
SD	X	X						
TN								
TX	X (DEM) TNRIX	X	X NGS					
UT								
VA	X VGIN	X	X VGIN	X	X VGIN			
VT								
WA								
WI	X		X		X			
WV								
WY			X Geological Survey	X				
total	27	21	25	16	18	13		9

Table A46. Public access to flood maps and data within the states.

	Restrictions on availability or use of map data	State has flood hazard mapping data archive system	State has flood map data retrieval system accessible to public	Floodplain maps available on walk-in basis	State staff does flood zone determinations from maps for property owners
AK	Partnership arrangements may have some variations in restrictions. Some locally sensitive information may be restricted, i.e. archeological sites.		X	X	X
AL	None	X		X	
AR	None			X	
AZ	Local governments - most willing to share.			X	
CA	None	X	X	X	
CO	Mapping projects are on a case by case request.	X	X	X	X
CT	None			X	
DC	Orthophotos are restricted. Water and Sewer are restricted data sets, Land cover maps can be requested.			X	X
DE	None	X		X	
FL	Data can only be used for planning purposes because of its lack of accuracy.			X	X
GA	List Source			X	
HI	None			X	X
ID	None			X	
IL	None	X	X	X	X
IN	None	X	X	X	X
KS	None			X	X
KY	None	X		X	
LA	None			X	X
MA	Some available online; others must be paid for			X	
MD	MD Planning charges for property data.			X	
ME	Fee	X		X	
MI	None	X	X	X	X
MN	None	X		X	X
MO	None			X	
MS	None			X	
MT	None		X	X	
NC	None	X	X	X	
ND	None			X	
NE	None	X		X	X
NH	None			X	X
NJ	None	X	X	X	
NM	None			X	X

	Restrictions on availability or use of map data	State has flood hazard mapping data archive system	State has flood map data retrieval system accessible to public	Floodplain maps available on walk-in basis	State staff does flood zone determinations from maps for property owners
NV	None			X	
NY	There are security concerns. We will generally share data with any public entity or with our own mapping contractors.	X		X	X
OH	None			X	
OK	Do not know for higher detail data for public, cost involved.			X	
OR	None	X	X	X	
PA	Some bridge mapping attributes may be restricted for security reasons.			X	
PR	Most of the data is for public use.		X	X	
RI	None			X	X
RI	None			X	
SC	None	X		X	X
SD	Provide name, business & address.			X	
TN	None	X	X	X	X
TX	Roads (tceq-limited access) TNRIS-TXDOT Roads not geo CAD able.				
UT	None			X	X
VA	Free to VA state agencies and local governments; other organizations and individuals (i.e. federal agencies, consulting & engineering firms, associations, not-for-profits, etc.) must pay a fee to be established by VGIN.			X	
VT	None			X	X
WA	Small cost recovery fee for orthophotos.			X	X
WI	None	X	X	X	X
WV	None			X	
WY	None			X	
total		18	13	51	22

Table A47. State use of GIS for floodplain mapping.

State	If state uses GIS for statewide mapping, how?	Floodplain/ coastal areas included	GIS data meets NFIP standards	State staff trained in GIS	Floodplain management program access to GIS data	% of localities with GIS	State provides state- generated GIS data to locals
AK	Floodplain boundaries & erosion areas overlaid on local maps	X	X	X	X	9	
AL	Existing state GIS for water resources will be expanded for flood mapping	X	X	X	X	60	X
AR	Being used by other functions, but Department of Information Systems using for LIDAR.	X	X	X	X	15	
AZ	Not used					25	
CA	Provide community mapping index system for entire state.	X	X	X	X	0	X
CO	Not used	X		X		0	
CT	Q-3 mapping is on the system.	X	X		X		
DC	Contours/elevations. DC Atlas, Sewer and Storm Water Systems.	X		X	X	100	X
DE	Zone determinations and education.	X	X	X	X	10	X
FL	Not being used for floodplain data.	X	X	X	X	10	X
GA	State uses GIS		X	X	X	0	
HI	Not used	X				0	
ID	Our database is primarily land & water use related.		X	X	X	25	
IL	GIS used mainly for structural flood control projects and planning.		X	X		15	X
IN	Limited use for state only at this time.	X	X	X	X	30	X
KS	D-FIRMS, set priorities, plan mapping projects.	X		X	X	25	
KY	ArcView 3.2 (currently) for watersheds, hydrologic data, HEC-RAS input.	X	X	X	X	5	X
LA	State uses GIS					0	
MA	Q3 data layer	X	X	X	X	25	
MD	Developing a floodplain management database.	X	X	X	X	75	X
ME	Some counties have Q3 info but access to these require a fee	X		X		1	X
MI	Floodplain/floodway boundaries are overlaid on digital orthophoto quarter quads, contouring based on LIDAR elevation data.	X	X	X	X	30	X
MN	Location of development or infrastructure.	X		X	X	75	
MO	Using GIS to view digital data to develop limited base flood elevations	X	X	X	X	20	
MS	Mississippi Digital Earth Model ongoing for 3 years. FEMA's Map Mod is being worked into it.	X	X	X	X	25	X

State	If state uses GIS for statewide mapping, how?	Floodplain/ coastal areas included	GIS data meets NFIP standards	State staff trained in GIS	Floodplain management program access to GIS data	% of localities with GIS	State provides state- generated GIS data to locals
MT	Not used					0	
NC	All products are geo referenced and available on website.	X	X	X	X	0	X
ND	Unknown. State GIS efforts are fragmented between agencies with no clear lead agency or repository.						
NE	Staff has complete access to all GIS data and uses it daily.	X	X	X	X	5	X
NH	Currently in a transitional stage.				X	5	
NJ	No funds to digitize maps						
NM	Not used					10	
NV	State uses GIS					0	
NY	DEMs, hydrography, orthophotos used as base maps	X	X	X	X	10	X
OH	Many uses.	X	X	X	X	90	X
OK	Maybe indirectly for planning.			X	X	75	
OR	Starting to.					67	X
PA	Acquired FEMA Map Store data & display on web	X	X	X	X	5	X
PR	State uses GIS	X		X	X	35	X
RI	For multi-hazard local and state mitigation and all land use decisions.	X	X	X	X	0	
SC	State uses GIS		X	X	X	20	X
SD	We would contract with the state DENR who has this information.	X	X	X	X	15	X
TN	In early development of GIS Statewide.	X	X	X	X	20	
TX	Not used.					5	
UT	State agency does some statewide mapping, but not floodplain.					10	
VA	Purchasing ArcView 3.2.	X				87	X
VT	Not used					0	
WA	Floodplain & natural resources & hazard data used for watershed characterization, planning & permitting.	X	X	X	X	30	X
WI	Entered paper maps into GIS, display on public interactive web application; mapped study extents	X	X	X	X	50	X
WV	This is just starting.	X	X	X	X	10	X
WY	Many different GISs in use in the state. No state mandated GIS system.			X		25	
total		34	30	37	35		25

Table A48. State involvement in the NFIP Cooperating Technical Partners Program for mapping.

	Participation in CTP		State receives FEMA funds for CTP	State/local activities under CTP												
	Entire state	Localities		Set priorities for mapping	In pre mapping meetings	In final meetings	Review engineering or floodplain delineation	Approve H&H analyses	Acquire base maps	Process LOMAs	Process LOMRs	Conduct detailed studies for D-FIRMs	Conduct approx studies for D-FIRMs	QA/QC preliminary D-FIRMs	Produce D-FIRMs	
AK				X	X	X										
AL	X		X	X	X	X									X	
AR																
AZ		X	X	X	X											
CA	X		X	X	X	X									X	
CO	X		X	X	X	X									X	
CT																
DC																
DE	X		X	X	X	X									X	
FL	X		X		X											
GA	X		X													
HI		X														
ID																
IL		X														
IN																
KS	X		X	X	X	X									X	
KY	X		X	X	X	X										
LA																
MA	X															
MD	X		X	X	X											
ME			X	X	X											
MI	X		X	X	X	X										
MN																
MO	X		X	X	X	X										
MS	X		X	X	X	X										
MT	X		X	X	X	X										
NC	X		X	X	X	X										
ND																
NE		X	X	X	X	X										
NH	X		X													
NJ				X	X	X										
NM		X		X	X	X										

Participation in CTP		State receives FEMA funds for CTP	State/local activities under CTP																
			Entire state	Localities	Set priorities for mapping	In pre mapping meetings	In final meetings	Review engineering or floodplain delineation	Approve H&H analyses	Acquire base maps	Process LOMAs	Process LOMRs	Conduct detailed studies for D-FIRMs	Conduct approx studies for D-FIRMs	QA/QC preliminary D-FIRMs	Produce D-FIRMs			
NV	X		X																
NY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
OH	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
OK	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
OR			X																
PA																			
PR			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
RI																			
RI																			
SC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SD			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TN																			
TX								X											
UT				X							X								
VA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VT																			
WA	X		X	X	X	X	X	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	X	X	X	X	X	X	X
WV	X	X	X	X	X	X	X	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	X	X	X	X	X	X
total	25	10	31	26	29	16	13	16	16	3	3	11	13	8	5				

Table A49. State use of CAP funds for map modernization, present and future.

State	State used 2002 CAP funds for map modernization activities	If CAP funds are available for map modernization in the future, would state use them?	In future, state would be able to supply proposed 20% state match for map modernization	Nature of future state match			
				Staff	Data	Funding	Other
AK	X	Yes	X	X	X	X	Federal partners, local partnerships
AL	X	Yes	X	X	X	X	
AR		No					
AZ		Yes					
CA	X	Yes					
CO	X	Yes	X		X	X	Local funds cash and in-kind services.
CT	X	Yes					
DC		No					
DE		No					
FL	X	Yes	X	X	X		
GA	X	Yes	X		X		
HI		Yes	X	X	X		
ID	X	Yes					
IL	X	Yes	X	X	X		Technical studies.
IN		Yes	X	X	X	X	
KS		Yes					
KY	X	Yes	X	X	X		
LA							
MA	X	Yes	X		X		
MD	X	Yes					
ME	X	Yes					
MI	X	Yes	X		X		In-kind services from local communities - maybe limited in the future.
MN	X	Yes	X	X	X		More than half of staff resources and data are from local governments.
MO	X	Yes					
MS	X	Yes	X	X	X	X	
MT	X	Yes	X	X			
NC	X	Yes	X	X	X	X	
ND	X	Yes					
NE	X	Yes		X	X		
NH	X	Yes					
NJ		No					
NM		No					
NV		No					

State	State used 2002 CAP funds for map modernization activities	If CAP funds are available for map modernization in the future, would state use them?	In future, state would be able to supply proposed 20% state match for map modernization	Nature of future state match			
				Staff	Data	Funding	Other
NY		Yes					We have a \$500,000 match available but will not be able to increase that.
OH	X	Yes					
OK		No					
OR	X	Yes	X	X	X		
PA	X	Yes	X	X		X	May not have funding match due to budget problems.
PR	X	Yes					
RI	X	Yes	X	X	X		
RI	X	Yes	X	X	X		
SC	X	Yes		X	X		
SD	X	Yes					
TN	X	Yes					
TX		No					
UT	X	Yes	X	X	X		
VA	X	Yes	X		X		
VT	X	Yes					
WA	X	Yes	X	X	X	X	
WI	X	Yes	X	X	X		
WV		Yes					
WY	X	Yes	X	X		X	Computing soft match from agency activities
total	37	43	24	21	23	9	

Table A50. Federal agencies working with states on floodplain mapping.

State	State maintains priority list for mapping/ FISs/ re-studies	If yes, what federal agencies would be able to help state meet needs (besides FEMA)?	What federal agencies does state work with for floodplain mapping (besides FEMA)?	Does state have data for floodplain mapping that FEMA does not have?	If so, who has data
AK	X	NRCS, USACE, USGS		Yes	DCED, Division of Community & Business Development.
AL	X	USACE, TVA	USACE, TVA	No	
AR	X	USACE		No	
AZ	X	NRCS	NRCS, USACE	No	
CA	X	USACE		Yes	DWR
CO	X		USGS, NRCS and USACE.	Yes	Colorado Water Conservation Board, Urban Drainage and Flood Control District
CT				No	
DC			USACE	No	
DE	X	USACE, NOAA	USACE	Yes	DNREC
FL		NRCS		Yes	Water management districts, Dept. Environmental Protection
GA	X	USACE, NRCS		Yes	Georgia Department of Transportation.
HI	X	Unknown	NRCS, USGS, USACE	No	
ID				No	
IL	X		USACE, USGS, NRCS	Yes	IDNR
IN	X	USACE	USACE	Yes	IDNR Water
KS	X	Anyone with money.	USGS, USACE.	No	
KY	X	USACE, USGS	USACE, USGS	Yes	Floodplain management; various counties have high resolution DEMs.
LA	X	USACE	USACE	No	
MA	X	Corps; NRCS		No	
MD	X	USACE, NRCS, USGS		Yes	MDE Dam Safety
ME	X	Depending on funding: USGS, NRCS	NRCS	No	
MI	X	USACE, NRCS	NRCS, USACE	Yes	GIS data at the Michigan Center for Geographic Information.
MN	X	USACE	USACE	No	
MO	X	COE, NRCS and USGS	COE, NRCS, USGS	Yes	Department of Natural Resources and Department of Transportation
MS	X	USACE		Yes	MDEQ
MT	X	USACE, NRCS, USGS.	USACE, NRCS, USGS	Yes	DNRC
NC	X	NRCS, USACE, NOAA/ Coastal Zone Management	See CTS agreement.	No	

State	State maintains priority list for mapping/ FISs/ re-studies	If yes, what federal agencies would be able to help state meet needs (besides FEMA)?	What federal agencies does state work with for floodplain mapping (besides FEMA)?	Does state have data for floodplain mapping that FEMA does not have?	If so, who has data
ND	X	Probably none	NRCS	No	
NE	X	USACE and possibly USGS	USACE	No	
NH	X	USGS	USGS	No	
NJ	X	USACE	USACE, NRCS & USGS	No	
NM				No	
NV				No	
NY	X	Some help from USACE	USACE	No	
OH	X	USGS, USACE, and maybe NRCS	USGS, USACE and in part NRCS	No	
OK		USACE, maybe USGS, NRCS.		No	
OR	X	USACE	USACE	Yes	ORWRD
PA	X	USGS		No	
PR	X			No	
RI	X	NRCS and USACE	NRCS , NOAA	Yes	RIGIS
RI				No	
SC	X	USCOE, USGS		Yes	SC DNR
SD	X	USACE		No	
TN	X	TVA, USACE	TVA, USACE	No	
TX				Yes	Texas Natural Resources Information System
UT	X	USACE?	USACE	Yes	AGRC, Division of Water Resources.
VA	X	USACE		Yes	Statewide Mapping Prioritization Plan
VT	X			No	
WA	X	USACE, USGS, Bureau of Reclam.	USACE, USGS	Yes	Ecology, WSDOT
WI	X	NRCS, COE, USGS	NRCS, COE, USGS	Yes	DNR
WV	X	USACE, USGS, NRCS	USACE and NRCS	No	
WY	X	USGS, NRCS, USACE	NRCS USACE	No	
total	43			Y=22	

Table A51. State review of floodplain maps and data.

	State review of floodplain maps before local adoption						State engineering review of %-chance flood elevation models			
	State does	State review required by law	State issues approval letter	State review duplicates FEMA review	Explain duplication	State does	Explain	State issues approval letter	State reviews or does models to set regulatory flood elevation	
AK	X									
AL						X	Procedures under development.		X	
AR										
AZ										
CA	X			X	Reclamation Board mapping, State funded Flood Insurance Study.	X	Limited basis for FEMA mapping.	X	X	
CO	X	X	X	X	All engineering analysis and studies.	X		X		
CT										
DC	X	X	X			X	Staff engineers review hydraulic and hydrologic models for floodplain analysis when construction permit is sought in floodplain.	X	X	
DE	X			X	Concurrent state/FEMA review of preliminary maps.					
FL										
GA										
HI	X								X	
ID										
IL	X		X	X		X	All new mapping/models are approved by IDNR during the preliminary map phase or state permit approval phase.	X		
IN	X	X	X	X	Modeling review is the same as FEMA's review; state review may be more critical.	X	Division of Water as part of State Permit Process, also to set BFEs.	X	X	
KS										

State review of floodplain maps before local adoption						State engineering review of %-chance flood elevation models		
State does	State review required by law	State issues approval letter	State review duplicates FEMA review	Explain duplication	State does	Explain	State issues approval letter	State reviews or does models to set regulatory flood elevation
KY	X				X	Engineers conduct HEC-RAS analysis during permitting process.	X	X
LA								
MA								
MD								
ME	X							
MI	X	X	X	FEMA's mapping consultant and MDEQ both review hydraulic and hydrologic models.	X	State reviews any hydrologic or hydraulic models used to develop FEMA floodplain maps and flood insurance studies.	X	X
MN	X				X	State Interagency Hydrology Review Committee chaired by DNR and members are USACE, NRCS, USGS. Review is done by all 3 after FIS is done. DNR coordinates final review and resolution of differences.	X	X
MO	X		X	We look for mistakes on mapping products like incorrect names of communities, boundaries, etc.				
MS								
MT	X	X	X	Reviewing models & maps & final meetings. We do it primarily because FEMA takes 6-7 years to complete, where as we take 1-2 years.	X	Division engineer reviews all runs during study, except studies conducted by FEMA	X	X
NC	X		X	The CTS/NCFMP is a cooperative process with the state and FEMA (MCC) reviewing all products.	X	State reviews only studies done by contractors for the state floodplain mapping program		X

State review of floodplain maps before local adoption						State engineering review of %-chance flood elevation models			
	State does	State review required by law	State issues approval letter	State review duplicates FEMA review	Explain duplication	State does	Explain	State issues approval letter	State reviews or does models to set regulatory flood elevation
ND						X	Cursory review of hydraulic models & reports		
NE						X	The division provides technical assistance upon request. For mapping that is done in-house all reviews are done by staff.	X	X
NH									
NJ				X	Staff will generally precede FEMA or is done simultaneously.	X	The DEP has adopted 2508 miles of floodways and flood hazard areas. Any proposed corrections, revisions to the delineation must be reviewed by staff and approved in acc with Administrative Procedures Act		X
NM									
NV									
NY	X					X	Staff engineer reviews LOMA applications on request and performs quick AZ/AC on FEMA maps.		X
OH	X		X		Apparently not since we find many things that slip through the FEMA cracks.	X	On limited basis as part of tech assistance. Assist dept of health with mobile home park reviews.	X	X
OK									
OR	X								
PA						X	For transportation projects in floodplain, H&H analysis is completed and submitted to DEP with permit request.		

State review of floodplain maps before local adoption							State engineering review of %-chance flood elevation models			
State does	State review required by law	State issues approval letter	State review duplicates FEMA review	Explain duplication	State does	Explain	State issues approval letter	State reviews or does models to set regulatory flood elevation		
PR					X	Engineering staff reviews the H&H study before referring it to FEMA.	X	X		
RI										
RI										
SC	X		X	Review input values	X					
SD										
TN	X									
TX										
UT	X									
VA					X	Use HEC-RAS and Check-RAS to review data. Also, review of general site plan, design assumptions, etc.	X			
VT										
WA	X	X	X	Review process is the same, but regional agency staff have more intimate knowledge of local conditions.						
WI	X	X	X	Almost everything	X	Regional staff do review based on technical adequacy, min. backwater model standards, NGVD data & assessment of reasonable assumptions used in study.	X	X		
WV										
WY	X									
Totl	24	7	8	13	21		14	16		