State of Arkansas
Five-Year Floodplain Management Plan

I. State Authority

Arkansas Code Ann. §14-268-101 et seq., Flood Loss Prevention
Arkansas Code Ann. §15-24-101 et seq., Flood Control
Arkansas Code Ann. §15-20-101 et seq., Arkansas Soil and Water Conservation Commission

II. Vision

The State's floodplain management program began with the State Assistance Program (SAP) in October, 1980. The Arkansas Soil and Water Conservation Commission, which was appointed the State Coordinating Agency for the NFIP, was selected to administer the SAP. The SAP funded one full-time position in floodplain management. Early effort involved enrolling communities in the NFIP and in visiting communities to assist them with implementation of ordinances.

The SAP was followed by the CAP in 1985. Emphasis shifted more toward Community Assistance Visits (CAVs) and Community Assistance Contacts (CACs). Other tasks included technical assistance, map distribution, ordinance assistance, and a quarterly newsletter. There were also a number of disaster declarations which required participation of Commission staff.

In 1997, a second full-time staff member was added to the floodplain management program. This allowed an expansion of the program to include workshops, participation in organizations (e.g., Municipal League, Association of Counties), more frequent and thorough field visits, and the formation of a State floodplain management association.

Major accomplishments of the past 10 years include:

1. Formation of the Arkansas Floodplain Management Association (AFMA)

    a. Executive Office housed with the NFIP State Coordinator
    b. Distribution of an improved newsletter
    c. Affiliation with ASFPM
    d. Certification program (CFM®) affiliated with ASFPM
    e. Annual conference, spring training and local workshops

2. Annual Week-long NFIP Course at the University of Central Arkansas

3. State Legislation Requiring Identification of a Local Floodplain Administrator, Including Annual Training

4. Regular Presentations to Such Organizations as the Arkansas Municipal League, Association of Arkansas Counties, Arkansas Department of Emergency Management, and Arkansas Manufactured Home Association

Staff of the Commission has always been involved in the ASFPM, serving as officers, regional directors, and committee chairs.

This five-year planning process gives this office the opportunity to formulate a vision or plan for the future, an ingredient which has been missing from the State's floodplain management program. This is perhaps the chief deficiency of the program.

The Commission's floodplain management program revolves around the CAP program and the support of the NFIP. However, this does not really limit the opportunity to focus on the overall objective of floodplain management, reduce flood losses in the State.

The chief role of the State involves education and coordination of all sectors of the population which impact floodplain management and monitoring development for compliance with sound floodplain management practices. The State's vision consist of identifying activities which can best promote floodplain management and reach or contact the most people in the most critical positions to effect flood loss reduction

III. Strategy to Improve Floodplain Management

The State's strategy to improve floodplain management includes traditional CAP activities, including community visits, workshops, newsletters, ordinance assistance, and technical assistance. It also includes more emphasis on working with other State and Federal agencies and with State-wide organizations. Below is a list of several potential partnerships which will be cultivated in the years ahead.

TABLE 1
Agency/Organization Partnerships

1. Arkansas Department of Emergency Management
2. Arkansas State Land Information Board
3. Arkansas Municipal League
4. Arkansas Association of Counties
5. Arkansas Department of Environmental Quality
6. Arkansas Geological Commission
7. Professional Insurance Agents of Arkansas
8. Independent Insurance Agents of Arkansas
9. Arkansas Bankers Association
10. Mortgage Bankers of Arkansas
11. Arkansas Realtors Association
12. Arkansas Appraisers Association
13. Arkansas Homebuilders Association
14. Professional Engineers and Surveyors
15. Arkansas Game and Fish Commission
16. U.S. Army Corps of Engineers
17. Natural Resources Conservation Service
17. U.S. Geological Survey

The first year will focus on establishing a baseline or base data which can be used to make efficient use of resources and evaluate the success of floodplain management activities. Activities in future years will be adjusted based on year-to-year progress.

This plan is only an outline. Details of the "strategy" will be developed during the first year.

The tables on the following pages present a list of planned fundable activities (Table 2), annual program milestones (Table 3), and percentage of time and hours spent in floodplain management (Table 4).

IV. Needs analysis and gap assessments

The FY 2004 CAP was budgeted at $168,371 ($126,278 Federal; $42,093 State). Based on the proposed schedule of activities, the State budget for FY 2005-2009 is outlined on Table 5. The first year shortfall is estimated at $29,849 ($22,387 Federal; $7,462 State). In succeeding years, the gap widens without inflationary adjustments. State contribution usually includes an annual adjustment for inflation, so the major shortage will be on the Federal side.

All of the activities proposed by the State are very important. Without additional funding from the CAP grant, all activities will probably be scaled back by 10% or so. If more attention is required for certain tasks, adjustments will be made.

The addition of Act 754 of 2003, requiring annual training of floodplain administrators, has created a significant increase in workload. This will take the form of workshops, records maintenance, community visits, and general technical assistance.

Many Arkansas communities have not been visited within the past 15 years. The number and frequency of community visits should be increased in order to evaluate local floodplain management programs. A five-year rotation has been set up to address this need.

V. Map Modernization activities

The State CAP-SSSE will work with the Map Modernization program as needed. The CAP-SSSE staff will work closely in setting priorities, meeting with communities, and in ordinance assistance.

The primary responsibility of the CAP-SSSE will be Ordinance Assistance.

VI. System for Evaluating State's Performance

TABLE 2
PLANNED FUNDABLE FLOODPLAIN MANAGEMENT ACTIVITIES FY 2005-2009

Developing 5-Year Floodplain Management Work Plan	Each year the five-year plan will be reviewed and adjusted to reflect changes in the plan and/or revised schedules.
Ordinance Assistance Research	This task will be incorporated in Ordinance Assistance below.
CAV/CACs	CAVs and CACs will be organized so that every community participating in the NFIP will be visited at least once every 5 years. If workload does not permit field visits, some CACs may be conducted by telephone. CAVs will focus on with the most repetitive loss properties (concentrating on the repetitive loss target list), the most development, and those with the highest likelihood of compliance problems. CACs will provide a mechanism to visit remaining communities to head off future compliance problems.
CIS Data Entry	The State will enter data into the CIS on a quarterly basis or as required.
State Model Ordinance	Ordinance assistance includes assisting new communities applying for participation in the NFIP, assisting communities which request help in revising their ordinances, and assisting the map modernization program in revising ordinances due to map revisions. A bulk of the ordinance assistance over the next 5-6 years will accompany map revisions.
Workshops and Other Training	A wide variety of workshops and training will be conducted. Workshops will be conducted in support of the State's Floodplain Administrator Accreditation Program. A week-long NFIP course will be conducted at least once each year. The State will participate in the AFMA annual conference, spring training, field course, and other training.
General Technical Assistance	The State will respond to the needs of the floodplain management community for technical assistance. Assistance will be provided in the form of both office and field contacts. Community Rating System (CRS) activities will also be included with this activity.
Mapping Assistance	The State will participate in the development of mapping priorities, the scoping of studies and in community meetings held as part of the mapping process in coordination with State Business Plans.

Coordination with Other State Programs to Ensure State NFIP Compliance	Coordination with other State programs such as the Flood Mitigation Assistance Program, the Hazard Mitigation Grant Program, the Pre-Disaster Mitigation Program, the State Dam Safety Program, State Land Information Board, and other State land use and water resources programs including periodic meetings among State agencies. Federal coordination will include the Natural Resources Conservation Commission (NRCS), U.S. Army Corps of Engineers and the U.S. Geological Survey.
Post Disaster Assistance to Communities	Whenever a State or Federal disaster declaration occurs, the State Coordinating Agency will provide technical assistance implementing substantial damage requirements (including use of the Substantial Damage Estimating Software), assist communities enrolling into the NFIP, provide general floodplain management technical assistance, provide assistance with the promotion and use of the NFIP Increased Cost of Compliance (ICC) coverage, and assist with a variety of hazard mitigation initiatives. Post-disaster activities will also include evaluation of community floodplain management programs in reducing flood damages.
Arkansas Floodplain Management Association	The State Coordinating Agency will work with the AFMA to conduct conferences and other training, publish a quarterly newsletter, certify floodplain managers (CFM), and serve as the executive office.
Outreach to Organizations with Floodplain Management Implications	The State will conduct outreach to state-wide organizations in order to promote an understanding of floodplain management and to help disseminate this knowledge to their memberships. These organizations include insurance agents, lenders, appraisers, realtors, land developers, surveyors, engineers, etc.
Staff Training	State floodplain management staff will maintain knowledge level through participating in conferences and other training. This especially includes programs sponsored by FEMA and the Association of State Floodplain Managers (ASFPM)

TABLE 3

ANNUAL PROGRAM MILESTONES FY 2004-2009

	2005	2006	2007	2008	2009
Developing 5-Year Floodplain Management Work Plan	This task was developed in FY2004. In succeeding years it will be revised and updated as necessary				
Ordinance Assistance Research	Set up model ordinances for Map Modernization	No action required.	No action required.	No action required.	No action required.
CAV/CACs	15 CAVs 60 CACs	15 CAVs 60 CACs	15 CAVs 60 CACs	15 CAVs 60 CACs	15 CAVs 60 CACs
CIS Data Entry	Input quarterly report	Input quarterly report	Input quarterly report	Input quarterly report	Input quarterly report
State Model Ordinance	Provide ordinance assistance to 60 communities per year	Provide ordinance assistance to 60 communities per year	Provide ordinance assistance to 60 communities per year	Provide ordinance assistance to 60 communities per year	Provide ordinance assistance to 60 communities per year
Workshops and Other Training	One NFIP 101 class Conduct 15 one-day workshops Conduct additional workshops as needed	Two NFIP 101 classes Conduct 15 one-day workshops Conduct additional workshops as needed	Two NFIP 101 classes Conduct 15 one-day workshops Conduct additional workshops as needed	Two NFIP 101 classes Conduct 15 one-day workshops Conduct additional workshops as needed	Two NFIP 101 classes Conduct 15 one-day workshops Conduct additional workshops as needed
General Technical Assistance	Assist communities and individuals as needed. Approximately 200 per quarter	Assist communities and individuals as needed. Approximately 200 per quarter	Assist communities and individuals as needed. Approximately 200 per quarter	Assist communities and individuals as needed. Approximately 200 per quarter	Assist communities and individuals as needed. Approximately 200 per quarter

ANNUAL PROGRAM MILESTONES FY2005-2009

Mapping Assistance	Assist the Map Modernization Program and communities to revise flood maps. Approximately 60 per year	Assist the Map Modernization Program and communities to revise flood maps. Approximately 60 per year	Assist the Map Modernization Program and communities to revise flood maps. Approximately 60 per year	Assist the Map Modernization Program and communities to revise flood maps. Approximately 60 per year	Assist the Map Modernization Program and communities to revise flood maps. Approximately 60 per year
Coordination with Other State Programs to Ensure State NFIP Compliance	Meet with staff of these programs/agencies to promote and coordinate floodplain management	Meet with staff of these programs/agencies to promote and coordinate floodplain management	Meet with staff of these programs/agencies to promote and coordinate floodplain management	Meet with staff of these programs/agencies to promote and coordinate floodplain management	Meet with staff of these programs/agencies to promote and coordinate floodplain management
Post Disaster Assistance to Communities	Provide assistance on demand	Provide assistance on demand	Provide assistance on demand	Provide assistance on demand	Provide assistance on demand
Arkansas Floodplain Management Association	Quarterly newsletters Annual conference Spring training class Field courses Executive office	Quarterly newsletters Annual conference Spring training class Field courses Executive office	Quarterly newsletters Annual conference Spring training class Field courses Executive office	Quarterly newsletters Annual conference Spring training class Field courses Executive office	Quarterly newsletters Annual conference Spring training class Field courses Executive office
Outreach to Organizations with Floodplain Management Implications	Establish regular contacts with State-wide organizations to promote floodplain management	Establish regular contacts with State-wide organizations to promote floodplain management	Establish regular contacts with State-wide organizations to promote floodplain management	Establish regular contacts with State-wide organizations to promote floodplain management	Establish regular contacts with State-wide organizations to promote floodplain management
Staff Training	Annual conference of the ASFPM, FEMA courses and training; other related training	Annual conference of the ASFPM, FEMA courses and training; other related training	Annual conference of the ASFPM, FEMA courses and training; other related training	Annual conference of the ASFPM, FEMA courses and training; other related training	Annual conference of the ASFPM, FEMA courses and training; other related training

TABLE 4

Percentage of Time and Hours Spent in Floodplain Management Activities FY 2005-2009

	2005		2006		2007		2008		2009	
	Percent	Hours	Percent	Hours	Percent	Hours	Percent	Hours	Percent	Hours
Developing 5-Year Floodplain Management Work Plan	0.7%	50	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Ordinance Assistance Research	0.7%	50	0.7%	50	0.7%	50	0.7%	50	0.7%	50
CAV/CACs	26.9%	1860	26.9%	1860	26.9%	1860	26.9%	1860	26.9%	1860
CIS Data Entry	1.0%	70	1.0%	70	1.0%	70	1.0%	70	1.0%	70
State Model Ordinance	8.4%	580	8.4%	580	8.4%	580	8.4%	580	8.4%	580
Workshops and Other Training	9.8%	680	9.8%	680	9.8%	680	9.8%	680	9.8%	680
General Technical Assistance	17.3%	1200	17.3%	1200	17.3%	1200	17.3%	1200	17.3%	1200
Mapping Assistance	8.4%	580	8.4%	580	8.4%	580	8.4%	580	8.4%	580
Coordination with Other State Programs to Ensure Compliance	2.9%	200	3.6%	250	3.6%	250	3.6%	250	3.6%	250
Post Disaster Assistance to Communities	1.4%	100	1.4%	100	1.4%	100	1.4%	100	1.4%	100
Arkansas Floodplain Management Association	7.9%	550	7.9%	550	7.9%	550	7.9%	550	7.9%	550
Outreach to Organizations with Floodplain Management Implications	7.2%	500	7.2%	500	7.2%	500	7.2%	500	7.2%	500
Staff Training	7.2%	500	7.2%	500	7.2%	500	7.2%	500	7.2%	500
TOTAL	100.0%	6920	100%	6920	100.0%	6920	100.0%	6920	100.0%	6920

TABLE 5
Proposed Budget for Five-Year Floodplain Management Plan **

Salary	Hours	2005	2006	2007	2008	2009
Environmental Program Manag	2,080	$35,000	$36,050	$37,132	$38,245	$39,393
Floodplain Planner	2,080	$25,000	$25,750	$26,523	$27,318	$28,138
Techician	1,000	$10,000	$10,300	$10,609	$10,927	$11,255
Support Staff (Administrative)	1,000	$28,000	$28,840	$29,705	$30,596	$31,514
Fringe (27% of Salary)		$26,460	$27,254	$28,071	$28,914	$29,781
Indirect (62%* of Salary)		$60,760	$62,583	$64,460	$66,394	$68,386
Travel		$10,000	$10,300	$10,609	$10,927	$11,255
Supplies		$3,000	$3,090	$3,183	$3,278	$3,377
Total	6,160	$198,220	$204,167	$210,292	$216,600	$223,098
Federal Share		$148,665	$153,125	$157,719	$162,450	$167,324
State Match		$49,555	$51,042	$52,573	$54,150	$55,775

*** Varies considerably from year to year**
**** Assumes 3% yearly increase due to inflation**

The ultimate evaluation of the State's performance in floodplain management will be reflected in reduced flood damages and in reduced burden to property owners and taxpayers. It will take a considerable period of post-flood disaster research to verify progress in floodplain management.

In the meantime, performance measures which indicate that the floodplain management community is moving in the right direction can be applied. If communities and individuals are taking steps to reduce their vulnerability to floods, both physical and financial, floodplain management activities may be judged as successes.

Table 6 lists performance measures which will be employed to evaluate the performance of the State's floodplain management activities over the next five years.

TABLE 6
List of Outcomes and Performance Measures for Successful Floodplain Management

Outcome/Output	Method of Measurement
Maintain or improve the % of communities that adopt new maps by the FIRM effective date.	Compare the number of communities receiving new maps with how many adopted the new maps and have compliant ordinances (ie., how many were suspended for failure to adopt).
Increase the percentage of communities that adopt new maps prior to the 30 day letter being sent.	Compare the percentage of communities in FY-2004 that received a 30-day letter, with the number in subsequent years.
Increase the number of flood prone communities enrolled in the NFIP in your state.	Compare the number of flood prone communities enrolled in the program at the end of FY-2004 with the number in subsequent years, or with the number of non-participating flood prone communities that should be enrolled.
Increase the number of CRS communities or CRS class improvements.	Compare the number of CRS communities in FY-2004 with the number in subsequent years.
Decrease the number of variances granted statewide through technical assistance to local officials.	Using the Biennial Reports filled out in FY-2004, quantify the number of variances granted in your state. Count the number of variances reported in the next Biennial Report and/or CAVs and compare the two.
Increase the number of technical assistance contacts (CAVs and CACs) to communities in your state that result in increased compliance.	Compare the number of CACs and closed CAVs reported in CIS and compare the number to subsequent year totals.
Numeric or percentage of repetitive loss structures mitigated, with special emphasis on those repetitive loss properties on the target list.	Percent of allocated FMA funds expended in planning for or mitigation of repetitive loss structures.
Numeric or percentage of repetitive loss structures mitigated, with special emphasis on those repetitive loss properties on the target list.	Work closely with the FEMA Regions to develop projects for HMGP, or applications for PDM that address mitigation of repetitive loss structures.

Improve floodplain management compliance in your state by 50% by FY-2009.	During CAV's, record the number of NFIP violations (as a percentage of the total number of buildings evaluated). Compare this percentage with the number of violations discovered in subsequent years. If the NFIP evaluation study evaluated community compliance in your state, use that compliance data as a baseline. Compare the percent of LOMC violations in FY-2004 with numbers in subsequent years.
Increase (or maintain) the number of communities that have adopted the latest State model ordinance, or have adopted a stand-alone ordinance that meets or exceeds the standards on the State model.	Compare the FY-2004 number of communities that have adopted the latest model ordinance, with the number in subsequent years.
Increase the number of communities adopting the IBC, Comprehensive development plans, and implementing digitized systems for maps, etc.	Compare the number of communities having these in FY-2004 and compare to subsequent years.
Increase floodplain management training in the State.	Compare the number of local officials, surveyors, engineers attending workshops in FY-2004 and compare to subsequent years.
Increase the percentage of flood prone communities that have a CFM as part of the permitting process	Compare the current number of CFMs in flood prone communities with the number in subsequent years.
Increase the number of certified floodplain managers (CFM) in your state by 5% per year.	Compare the number of CFMs in FY-2004 with the number in subsequent years.
Increase the number or percentage of State Floodplain Management staff that are CFMs.	Self explanatory.
Establish or increase participation in a State Floodplain Management Associations	Compare the number of Association participants in FY-2004 with the number in subsequent years.

Increase the number of floodplain management violations that are brought into compliance.	Track the number of violations brought into compliance through the CAV process in FY-2004 with number is subsequent years.
Increase the number of communities that adopt and enforce higher regulatory standards.	Compare the number of communities in FY-2004 with the number in subsequent years.
Quantify general technical assistance calls that your office handles.	Document all general technical assistance calls in CIS Recommend that the State categorize the type of calls (mapping, flood insurance, etc.) and the constituent group (local govt., citizen, etc). We will be developing a screen in CIS for this purpose to document these.
Increase State inter-agency coordination resulting in increased floodplain management	Document the number of workshops, meeting, technical assistance visits, project reviews, etc., with other state agencies with annotations describing how these improved floodplain management.
Measure and increase the percentage of substantially damaged structures brought into compliance following a disaster.	Self explanatory.
Take action to reduce flood losses outside the SFHA.	Encourage local communities to regulate known flood-prone areas outside the SFHA.
Increase the number of ICC claims.	Encourage communities to amend ordinances to qualify for repetitive loss ICC claims and make communities aware of ICC.
Increase the number of preferred risk policies.	Overall program to promote flood insurance, especially thorough outreach programs with insurance and mortgage organizations.
Increase the number of standard flood insurance policies.	Same as above.