State of Indiana
Floodplain Management Work Plan
FFY 2005-2009

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Purpose:

The purpose of the Floodplain Management Work Plan is to help the State identify what is needed to increase the effectiveness of floodplain management in the State of Indiana and to establish a road map that the State can follow during the next five years. It is intended as a guide to help the State, in partnership with FEMA, to achieve positive, proactive floodplain management goals as defined by the yearly CAP Statement of Work. In addition, the work plan will help to link State floodplain management efforts to supporting the "**Indiana Floodplain Mapping Initiative**", which is the State Map Modernization Plan.

Background:

The purpose of the Community Assistance Program – State Support Services Element (CAP-SSE) is to provide, through a State grant mechanism with FEMA, a means to ensure that communities are achieving the flood loss reduction goals of the NFIP. CAP-SSSE is intended to accomplish this by funding States to provide general technical assistance to NFIP communities in the State and to evaluate community performance in implementing NFIP floodplain management activities. In Indiana, the Department of Natural Resources, Division of Water's Floodplain Management Section has been designated as the coordinating agency for the State in support of NFIP activities related to CAP-SSSE. Currently, five State positions are available to the support of CAP-SSSE activities.

Current Floodplain Management Efforts:

The Floodplain Management Section annually engages in a variety of CAP-SSSE activities in support of NFIP initiatives. In Federal fiscal year 2004, Floodplain Management staff scheduled 35 Community Assistance Visits, 10 Floodplain Ordinance Assistance Reviews, sent 2 staff members to the Spring FEMA V Regional Coordination Meeting, published 2 outreach newsletters, conducted 8 Floodplain Management Workshops, hosted a State Flood Response Conference, provided general technical assistance to a variety of local officials and the public, assisted in "Scoping Meetings" in support of Map Modernization, sent 2 staff members to the ASFPM conference, provided Post-flood assistance in support of FEMA to affected communities in the State, updated

the State Post-flood Responsibilities Guide book for local floodplain administrators, and conducted community outreach by attending the State Surveyors' conference and the Indiana Association of Cities and Towns training sessions. Staff has also been active with Indiana's State Emergency Management Agency and has provided assistance to the State Hazard Mitigation Council.

The Floodplain Management Section has found that these outreach efforts have had a positive impact and, as such, plans to continue its current strategy for CAP-SSSE efforts for the next 5 years.

CAP-SSSE Activities 2005-2009:

The following are the proposed CAP-SSSE activities that IDNR Floodplain Management staff anticipate will be conducted as described in the annual Scope of Work for State CAP activities. This plan is to be considered a "living document" and may require updating each year during the five years to reflect changes in the State. We encourage our partners in FEMA Region V to continue to provide input and support as we implement our plan. Task activities will vary from year to year based the support needs of the State's "**Indiana Floodplain Mapping Initiative**". Preliminary performance measures have been developed for consideration as "milestones" that can be used to demonstrate progress in meeting our strategy for CAP-SSSE implementation for FFY 2005-2009. It is estimated that our office will spend significant time doing the various fundable CAP-SSSE activities in 2005-2009 and that we, in fact, do more work than what can be funded under the current CAP-SSSE funding limit for our State. The additional funding deficit has traditionally been absorbed by the State in order to complete the work.

Task # 1 Community Assistance Visits

The Indiana Department of Natural Resource's Floodplain Management Section will conduct Community Assistance Visits (CAVs). All CAVs conducted will be entered into CIS by IDNR staff.

In 2004, 35 CAVs were conducted by IDNR.

Estimated CAVs for 2005	30
Estimated CAVs for 2006	30
Estimated CAVs for 2007	30
Estimated CAVs for 2008	30
Estimated CAVs for 2009	30

The performance measure for this activity will be a comparison of the number of CAVs estimated to be completed each fiscal year vs. the actual number of CAVs that are conducted in the year. The number of CAVs projected will be defined in the yearly Statement of Work. Tracking of CAVs will be reported in the quarter narrative reports and also can be seen in the CIS database.

Task #2 Community Assistance Contacts

The Indiana Department of Natural Resource's Floodplain Management Section will conduct Community Assistance Contacts (CACs). CACs will help the State to increase the number of community contacts it has with NFIP communities in the State in addition to CAVs. All CACs conducted will be entered into CIS by IDNR staff.

In 2004, 0 CACs were conducted IDNR.

Estimated CACs for 2005	30
Estimated CACs for 2006	30
Estimated CACs for 2007	30
Estimated CACs for 2008	30
Estimated CACs for 2009	20

The performance measure for this activity will be a comparison of the number of CACs estimated to be completed each fiscal year vs. the actual number of CACs that are conducted in the year. The number of CACs projected will be defined in the yearly Statement of Work. Tracking of CACs will be reported in the quarter narrative reports and can also be seen in the CIS database.

Task #3 Floodplain Ordinance Assistance

The Indiana Department of Natural Resource's Floodplain Management Section will provide floodplain ordinance assistance to communities in support of the State's "**Indiana Floodplain Mapping Initiative**". This will include a detailed review of community's floodplain regulations and staff will provide all necessary follow-up action to insure that new floodplain mapping has been incorporated into the community's floodplain regulations for all community's included in the proposed County-wide DFIRM production. Community's will be encouraged to adopt new mapping prior to the 30-day letter being sent. Community ordinance review selection will coincide with the State's timetable for proposed County DFIRM revisions as outlined in the "**Indiana Floodplain Mapping Initiative**".

The State's County-wide DFIRM conversion timetable is estimated as follows:

2005 13 Counties converted
2006 14 Counties converted
2007 16 Counties converted
2008 18 Counties converted
2009 22 Counties converted

Copies of the projected County-wide DFIRM timetable and County priority selection are attached in the Appendices.

The performance measure for this activity will be a comparison of the number of communities receiving new mapping to how many communities adopted the new maps and have compliant ordinances. The number of communities will be defined in the yearly Statement of Work. Tracking of compliant ordinances or those that are suspended for failure to adopt will be reported in the quarterly narrative reports. In addition, the State will compare the percentage of communities in FFY-2004 that received a 30-day letter, with the number in subsequent years.

Task #4 Regional Office / Mitigation Coordination Meetings

The Indiana Department of Natural Resource's Floodplain Management Section staff will attend the two Regional Coordination Meetings. Indiana will host the Spring meeting for 2005.

2005	2 staff Fall Conference	5 staff Spring Conference
2006	2 staff Fall Conference	2 staff Spring Conference
2007	2 staff Fall Conference	2 staff Spring Conference
2008	2 staff Fall Conference	2 staff Spring Conference
2009	2 staff Fall Conference	2 staff Spring Conference

The performance measure for this activity will be a comparison of the number of projected staff attendance to the FEMA conferences as defined in the yearly Statement of Work vs. actual attendance at the conferences.

Task #5 Flood Loss Reduction Assistance

The Indiana Department of Natural Resource's Floodplain Management Section will produce and distribute two newsletters a year for the next 5 years as part of our CAP-SSSE. The newsletter is "Waterlines" and it is distributed to over 1400 recipients. IDNR will also post the newsletter on the Division's Web page.

The performance measure will be the number of newsletters projected as defined in the yearly Statement of Work vs. the actual number of newsletters produced.

Task #6 Local Officials Workshops

The Indiana Department of Natural Resource's Floodplain Management Section will conduct 8 Floodplain Management workshops a year for the next 5 years as part of our CAP-SSSE. Outreach efforts will be made to encourage community enrollment into CRS.

The performance measure for this activity will be a comparison of the number of workshops estimated to be completed each federal fiscal year vs. the actual number of workshops that are conducted in the year. In addition, the number of participants will be documented for each workshop so that a comparison can be done on the number of local officials, surveyors, engineers consultants etc, that attend. Federal fiscal year 2004 will be used as the base year for comparison to subsequent years.

Task #7 State Flood Response Conference

The Indiana Department of Natural Resource's Floodplain Management Section will host a second State Flood Response Conference in the next 5 years. Estimated completion is FFY 2006 CAP-SSSE.

The performance measure for this activity will be the completion of the conference in Federal fiscal year 2006.

Task #8 General Technical Assistance

The Indiana Department of Natural Resource's Floodplain Management Section will continue to annually provide general technical assistance (GTA) as part of our CAP-SSSE agreement for the next 5 years. GTA will vary depending on other Task activity needs. GTA will be entered into the CIS database by IDNR staff once FEMA has updated and authorized CIS data base entry for GTA.

A yearly comparison of GTA can then be done as a performance measure.

Task #9 ASFPM Annual Conference

The Indiana Department of Natural Resource's Floodplain Management Section will have two staff attend the ASFPM conference annually as part of our CAP-SSSE. This activity provides staff with a quality training opportunity that benefits the State.

The performance measure matrix will be the same as Task #4.

Task #10 Floodplain Managers Study Guide

The Indiana Department of Natural Resource's Floodplain Management Section will develop a "Floodplain Managers Study Guide" to assist individuals who would like to take the CFM exam. Anticipated completion of the Study Guide will be in Federal fiscal year 2006. Staff will also assist with the annual offering of the CFM exam at the State Floodplain Association annual conference. The goal will be to double the number of CFMs in Indiana by 2009.

The first performance measure for this Task will be the completion of the "Floodplain Managers Study Guide" by the end of Federal fiscal year 2006. The second performance measure will be tracking the number of participants who take the CFM exam each year vs. the number who pass the exam. Federal fiscal year 2004 will be used as the base year for CFMs in Indiana for comparison to subsequent years.

Task #11 Post-Flood/Disaster Response

The Indiana Department of Natural Resource's Floodplain Management Section will provide Post-flood assistance as needed as part of our CAP-SSSE agreement for the next 5 years. The Floodplain Management Section with the help of FEMA Region V, has developed a very proactive response program to address community needs after a flood/disaster event. Staff will reduce other Task activities as need to supplement funding for Post-Flood/Disaster response per FEMA Region V approval.

The performance measure will be dependent on the magnitude of the required Post-flood/disaster response and will be developed with input from FEMA Region V. Past performance measures have been the number of post-flood/disaster response packets sent to local officials, number of post-flood/disaster follow-up meetings conducted with local floodplain administrators by IDNR staff, and the number of completed damage survey reports completed by local administrators.

Task #12 Community Outreach Projects

The Indiana Department of Natural Resource's Floodplain Management Section will continue to provide educational outreach efforts to different associations that are related to floodplain management such as the Indiana Association for Floodplain and Stormwater

Management, the Indiana Society of Professional Land Surveyors, Indiana Association of Cities and Towns, and the Indiana Association of Building Officials.

The performance measure for this Task will be documented by doing a comparison of the number of participants at each event so that a comparison can be done on the number of local floodplain officials, surveyors, engineers consultants etc, that attend. Federal Fiscal year 2004 will be used as the base year for comparison to subsequent years

Task #13 NFIP Participation

The Indiana Department of Natural Resource's Floodplain Management Section will attempt to increase the level of community participation in the NFIP in the State. Each year outreach efforts will be made by the State to encourage enrollment of non-participating communities into the program. Outreach efforts will be documented by the State and reported to FEMA Region V in the quarterly narrative reports as needed.

The performance measure for this Task will be to compare the number of flood prone communities enrolled in the program at the end of FFY-2004 with the number in subsequent years.

Appendices

Distribution of Counties in Indiana by proposed DFIRM revision date
Indiana Counties and estimated year of DFIRM production



Distribution of Counties in Indiana by proposed DFIRM revision date

Number	County	Decile	POP1999	Status	Number	County	Decile	POP1999	Status
45	Lake County	1	477958	2003	26	Gibson County	5	32231	2007
41	Johnson County	3	111950	2003	76	Steuben County	6	32082	2007
15	De Kalb County	5	39813	2003	14	Daviess County	5	29148	2007
49	Marion County	1	812595	2004	88	Washington County	6	28561	2007
2	Allen County	1	316439	2004	65	Posey County	4	26563	2007
82	Vanderburgh County	2	168050	2004	21	Fayette County	6	25872	2007
79	Tippecanoe County	3	139849	2004	85	Wabash County	9	34473	2008
32	Hendricks County	3	98094	2004	12	Clinton County	8	33419	2008
30	Hancock County	5	55781	2004	39	Jefferson County	4	31647	2008
71	Saint Joseph County	2	258475	2005	37	Jasper County	7	29749	2008
20	Elkhart County	2	174242	2005	40	Jennings County	6	28388	2008
29	Hamilton County	2	170114	2005	68	Randolph County	8	27712	2008
64	Porter County	2	147535	2005	69	Ripley County	8	27359	2008
48	Madison County	3	130924	2005	90	Wells County	9	26968	2008
18	Delaware County	3	116105	2005	11	Clay County	7	26770	2008
53	Monroe County	3	115631	2005	17	Decatur County	8	25778	2008
84	Vigo County	3	104453	2005	91	White County	9	25597	2008
10	Clark County	2	94575	2005	75	Starke County	8	24380	2008
22	Floyd County	4	72655	2005	72	Scott County	7	23111	2008
87	Warrick County	4	52393	2005	24	Franklin County	5	22101	2008
16	Dearborn County	3	48240	2005	38	Jay County	8	21750	2008
47	Lawrence County	4	45819	2005	74	Spencer County	7	21178	2008
46	Laporte County	3	109403	2006	25	Fulton County	4	20869	2008
34	Howard County	3	83417	2006	60	Owen County	6	20669	2008
27	Grant County	4	72265	2006	92	Whitley County	8	30834	2009
43	Kosciusko County	3	71935	2006	8	Carroll County	5	20159	2009
89	Wayne County	6	70993	2006	59	Orange County	5	19821	2009
3	Bartholomew County	4	70179	2006	62	Perry County	6	19411	2009
55	Morgan County	4	66726	2006	77	Sullivan County	6	19205	2009
50	Marshall County	4	45683	2006	23	Fountain County	9	18453	2009
6	Boone County	5	44613	2006	70	Rush County	7	18286	2009
73	Shelby County	5	43883	2006	83	Vermillion County	6	16922	2009
36	Jackson County	5	41228	2006	61	Parke County	7	16884	2009
19	Dubois County	5	40069	2006	80	Tipton County	8	16878	2009
42	Knox County	4	39351	2006	7	Brown County	5	16303	2009
54	Montgomery County	5	36421	2006	56	Newton County	9	14833	2009
33	Henry County	6	48711	2007	5	Blackford County	9	13853	2009
57	Noble County	4	43260	2007	66	Pulaski County	8	13296	2009
9	Cass County	8	38777	2007	63	Pike County	6	13001	2009
35	Huntington County	7	37393	2007	13	Crawford County	5	10678	2009
31	Harrison County	4	35446	2007	51	Martin County	8	10523	2009
67	Putnam County	5	34939	2007	4	Benton County	9	9772	2009
44	Lagrange County	8	34032	2007	78	Switzerland County	5	9108	2009
52	Miami County	7	33909	2007	86	Warren County	9	8300	2009
28	Greene County	5	33777	2007	81	Union County	8	7239	2009
1	Adams County	7	33331	2007	58	Ohio County	6	5417	2009

Indiana Counties and estimated year of DFIRM production