

APPENDIX 1

List of Acronyms

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AHPS	Advanced Hydrologic Prediction Service
AICP	American Institute of Certified Planners
CBBEL	Christopher B. Burke Engineering, LLC
CFM	Certified Floodplain Manager
COAD	Community Organizations Active in Disaster
CPRI	Calculated Priority Risk Index
CRS	Community Rating System
DFIRMs	Digital Flood Insurance Rate Maps
DHS	Department of Homeland Security (US)
DMA	Disaster Mitigation Act
EHS	Extremely Hazardous Substance
EMA	Emergency Management Agency
EPCRA	Emergency Planning and Community Right to Know Act
ERP	Emergency Response Plan
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FMA	Flood Mitigation Act
FRP	Flood Response Plan
GIS	Geographic Information System
HAZUS-MH	Hazard US – Multi-Hazard
HMGP	Hazard Mitigation Grant Program
HMRT	Hazardous Materials Response Team
HUC	Hydrologic Unit Code
IDEM	Indiana Department of Environmental Management
IDHS	Indiana Department of Homeland Security
IDNR	Indiana Department of Natural Resources
IEAP	Incident and Emergency Action Plan

INAFSM	Indiana Association of Floodplain and Stormwater Managers
LEPC	Local Emergency Planning Commission
MHMP	Multi-Hazard Mitigation Plan
MPH	Miles Per Hour
MRCC	Midwestern Regional Climate Center
MSDS	Material Safety Data Sheet
NCDC	National Climatic Data Center
NFIP	National Flood Insurance Program
NOAA	National Oceanic Atmospheric Administration
NRCS	National Resource Conservation Service
NWS	National Weather Service
OSHA	Occupational Safety and Health Administration
PDM	Pre-Disaster Mitigation
RFC	Repetitive Flood Claims
SARA	Superfund Amendment Reauthorization Act
SFHA	Special Flood Hazard Area
SRL	Severe Repetitive Loss
USDA	United States Department of Agriculture
US DHS	United States Department of Homeland Security
USGS	United States Geological Service
WCT	Wind Chill Temperature

**APPENDIX 2 Committee Meeting Agendas and
Summaries**

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Adams County Multi-Hazard Mitigation Plan Update
Project Team Meeting

Adams County EMA
911 W. Peacekeepers Way
Decatur IN 46733

August 14, 2017

9:00 am

AGENDA

1. Welcome and Introductions
2. Approach for the MHMP Update/Meeting Purpose
3. Hazard Risk Assessment:
 - a) Review Hazard Data
 - b) Discuss Vulnerability to Hazards
 - c) Determine Probability & Severity
4. Next Steps
5. Adjournment

Adams County Multi-Hazard Mitigation Plan Update
Project Team Meeting

Adams County EMA
911 W. Peacekeepers Way
Decatur IN 46733

August 14, 2017

9:00 am

SUMMARY

Project Team Members Present:

Brenda Alexander, Adams County Health Department
John August, Adams County EMA
Derick Bailey, Swiss Village
Jessica Bergdall, Adams County Health Department
Leslie Blakley, American Red Cross
John Crider, Berne Fire Department
Dick Clutter, Geneva Town Council
Kurt Dailey, City of Berne
Kim Fruechte, Adams County Commissioner
Jeremey Gilbert, City of Decatur
Kent Hart, Adams County Memorial Hospital
Jim Hitchcock, Decatur Fire Department
Debbie Holbrook, ISDH, District 3
Robert Johnson, Town of Geneva
Brad Kohlhagen, Purdue Extension
David Krueckeberg, Adams County Memorial Hospital
Barb Lehrman, Adams County EMA
Michael Lewis, National Weather Service
Mike Mahan, Decatur Police Department
Karla Marbach, Adams County Health Department
Les Marckel, Decatur Fire Department
William McKean, City of Berne Mayor
Ken Meyer, City of Decatur, Mayor
Rex Moore, Adams County Commissioner
Shane Rekeweg, Adams County Sheriff
Rodney Renkenberger, Maumee River Basin Commission
Shannon Smitley, City of Berne Building Department
Ethan Snyder, Adams County GIS
Tim Taylor, Berne Police Department
Mike Werling, Preble Fire Department
Curt White, City of Decatur Building Department

Others Present:

Heather Buck, CBBEL

1. Welcome and Introductions

Heather and Karla thanked everyone for attending the meeting and asked those present to introduce themselves.

2. Approach for the MHMP Update/Meeting Purpose

Heather explained to the group that the MHMP Update is a requirement to be completed every 5 years. The overall approach, utilizing a larger Planning Committee similar to the previous approach was described. The meetings will follow steps to reach the end result of an updated MHMP for all NFIP Communities within Adams County. Heather provided handouts further explaining the purpose of the effort.

3. Hazard Risk Assessment:

a) Review Hazard Data

The Committee reviewed the hazards to be studied as determined by Adams County EMA and agreed that these are the hazards which most affect the County. Heather shared data that CBBEL had gathered from the Nation Climatic Data Center (NCDC), local media outlets, and various agencies and offices since the 2011 MHMP was completed.

b) Discuss Vulnerability to Hazards

The Committee was engaged during the discussion regarding the hazards, specific events, and damages experienced. This information will be utilized to guide additional data collection for the MHMP Update, as well as enhance the discussion with the Planning Committee.

c) Determine Probability & Severity

The Committee, considering the data collected, their knowledge, and the prior discussions, determined the probability and severity of the hazards considered during this planning effort. This information will be utilized to determine the Calculated Priority Risk Index (CPRI) and will be reviewed by the Planning Committee.

4. Critical Infrastructure

Heather explained that the listing of Critical Infrastructure was provided by the Adams County GIS Department, categorized into sectors, and mapped and utilized to perform additional data analyses to prepare “what-if” scenarios.

5. Next Steps

The process was further explained to the Committee to include the next meeting, a public review, and submission of the draft report for all Committee members, the public, and FEMA’s review and comment. It was also explained that it will be very important that all Committee members provide their information in a timely manner so that the draft MHMP Update can be prepared.

6. Adjournment

The morning Committee meeting adjourned and will meet again following a brief lunch session. The afternoon Committee meeting will be utilized to review the listing of the potential mitigation measures and provide a ranking of High, Moderate, or Low.

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Adams County Multi-Hazard Mitigation Plan Update

Project Team Meeting

Adams County EMA
911 W. Peacekeepers Way
Decatur IN 46733

August 14, 2017

12:30 pm

AGENDA

1. Welcome and Introductions
2. Review of the approach for the MHMP Update
3. Review the Hazard Risk Assessment/CPRI
4. Review and Prioritize Proposed Mitigation Measures
5. Next Steps
6. Adjournment

Adams County Multi-Hazard Mitigation Plan Update

Project Team Meeting

Adams County EMA
911 W. Peacekeepers Way
Decatur IN 46733

August 14, 2017

12:30 pm

SUMMARY

Project Team Members Present:

Brenda Alexander, Adams County Health Department
John August, Adams County EMA
Derick Bailey, Swiss Village
Jessica Bergdall, Adams County Health Department
Leslie Blakley, American Red Cross
John Crider, Berne Fire Department
Dick Clutter, Geneva Town Council
Kurt Dailey, City of Berne
Kim Fruechte, Adams County Commissioner
Jeremey Gilbert, City of Decatur
Kent Hart, Adams County Memorial Hospital
Jim Hitchcock, Decatur Fire Department
Debbie Holbrook, ISDH, District 3
Robert Johnson, Town of Geneva
Brad Kohlhagen, Purdue Extension
David Krueckeberg, Adams County Memorial Hospital
Barb Lehrman, Adams County EMA
Michael Lewis, National Weather Service
Mike Mahan, Decatur Police Department
Karla Marbach, Adams County Health Department
Les Marckel, Decatur Fire Department
William McKean, City of Berne Mayor
Ken Meyer, City of Decatur, Mayor
Rex Moore, Adams County Commissioner
Shane Rekeweg, Adams County Sheriff
Rodney Renkenberger, Maumee River Basin Commission
Shannon Smitley, City of Berne Building Department
Ethan Snyder, Adams County GIS
Tim Taylor, Berne Police Department
Mike Werling, Preble Fire Department
Curt White, City of Decatur Building Department

Others Present:

Heather Buck, CBBEL

1. Welcome and Introductions

Heather and Karla thanked everyone for attending the afternoon session. Introductions were made by those present.

2. Review of the Approach for the MHMP Update

A brief review was provided for those committee members not present at the first session.

3. Review the Hazard Risk Assessment/CPRI

The results of the completed CPRI were shared with those present. Utilizing the discussion from the previous Committee session, the “draft” CPRI was presented. Adjustments were made based on additional discussion with the Committee once they were able to see the final prioritizations.

4. Review and Prioritize Proposed Mitigation Practices

Utilizing the mitigation practices described in the 2011 MHMP and information gathered through the planning process, a list of proposed mitigation practices was presented to the Committee for review and comment. Several members provided insight and input to wording and options for each proposed mitigation measure

5. Next Steps & Future Meetings

It was explained that the next step in the process is to prepare the draft MHMP Update. Once this has been completed, a public review period will be set and the draft will be submitted to FEMA and IDHS for review and comment.

6. Adjournment

The Committee adjourned

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**APPENDIX 3 Public Participation and Involvement of
Other Interested Parties**

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MEDIA RELEASE

For Immediate Release

Media Release Date: September 25, 2017

Contact: John August, Adams County Emergency Management Agency (260-724-5320)

Public Presentation of the Adams County Multi-Hazard Mitigation Plan Update

Decatur, IN (September 25, 2017) – Adams County, in cooperation with the City of Berne, the City of Decatur, the Town of Geneva, and the Town of Monroe have prepared an update to the 2011 Multi-Hazard Mitigation Plan (MHMP) to address the risk and vulnerability of communities in the County which may be affected by known natural, technological, and political hazards.

The Disaster Mitigation Act of 2000 (DMA 2000) requires communities to update their MHMP every 5 years in order to be eligible for any future mitigation funding through the State Department of Homeland Security and the Federal Emergency Management Agency. The intent of the MHMP is to plan for a disaster before it occurs in order to reduce the physical, social and economical impact of that disaster.

The draft Adams County MHMP Update may be accessed at: www.co.adams.in.us Topics covered in the Update include: an overview of the planning requirements; a summary of the risk assessment and vulnerability analysis; and proposed mitigation projects for prevention, property protection, natural resource protection, emergency services, structural control projects, and public information.

Comments will be accepted through Friday, October 13, 2017. Please submit comments to John August at 260-724-5320 or jaugust@co.adams.in.us

---END---

Adams County Multi-Hazard Mitigation Plan 5-Year Update



The 2017 Adams County MHMP Update

A draft is available at:

www.co.adams.in.us

The Adams County Multi-Hazard Mitigation Plan (MHMP) Update is a multi-jurisdictional planning effort led by the Adams County Emergency Management Office. The previous MHMP, adopted in 2011 was the necessary first step of a multi-step process to implement programs, policies, and projects to mitigate the effect of hazards in Adams County. A Federal Emergency Management Agency (FEMA) approved MHMP is required to be eligible for disaster mitigation funds.

FEMA also requires communities to update and resubmit the MHMP every 5 years to continue to be eligible for mitigation project grant funding. The intent of this current planning effort is to replicate the process of identifying the hazards and the social, physical, and economic impact that they affect Adams County as well as to discuss mitigation measures implemented within the last 5 years.

A copy of the draft MHMP Update is available electronically at www.co.adams.in.us Comments will be accepted through October 13, 2017.

Any comments or questions should be directed to John August at 260-724-5320 or jaugust@co.adams.in.us

Screen shots of municipal websites announce review of draft MHMP will be included here

**APPENDIX 4 Critical Infrastructure by NFIP
Community**

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Map ID	Airport	NFIP
1	Adams County Hospital Heliport	Decatur
2	Blomenberg (Private)	Adams County
3	Gage (Private)	Adams County
4	Holt Field	Adams County

Map ID	Communications	NFIP
5	Adams County Memorial Hospital	Decatur
6	Adams County Sheriff Dept Tower	Decatur
7	Adams County Sheriff Dept Tower	Adams County
8	Cell Tower	Decatur
9	Cell Tower	Adams County
10	Cell Tower	Berne
11	Cell Tower	Decatur
12	Cell Tower - Cen	Adams County
13	Holden Broadcasting Tower	Decatur
14	Northern Indiana Public Service Tower	Decatur
15	WZBD Radio Antenna	Adams County
16	WZBD Radio Station	Berne

Map ID	Dams	NFIP
17	Lake of the Woods Dam	Geneva
18	Meyer Lake Dam	Adams County
19	Rainbow Lake Dam	Geneva
20	Saddle Lake Dam	Adams County

Map ID	Daycare	NFIP
21	Berne Head Start	Berne
22	Boys & Girls Club of Adams Co.	Decatur
23	Boys & Girls Club of South Adams Co.	Berne
24	Church of God Day Care Ministry	Decatur
25	Daycare at Adams Central School	Monroe
26	First Presbyterian Pre-School / Day Care	Decatur
27	Geneva Migrant Head Start Center	Geneva
28	Headstart	Adams County
29	Kids First Child Care Ministry	Decatur
30	Kinder Haus Day Care Center	Berne
31	Little Inspirations Inc.	Decatur
32	Little ones Daycare	Berne
33	Morgan's Daycare	Decatur
34	North Adams Special Needs Preschool	Decatur
35	Pam Ineichen	Berne
36	Pleasant Dale Child Daycare Ministry	Adams County
37	Sonshine Daycare Ministry	Decatur
38	St Joe's Daycare Ministry	Decatur
39	St. Mark's preschool\daycare	Adams County
40	The King's Kingdom Childcare	Decatur
41	Tiny Treasures of Grace	Berne
42	Wyneken Lutheran School	Adams County

Map ID	Electric	NFIP
43	AEP Power Station	Adams County
44	AEP South Berne Substation	Adams County
45	AEP Substation	Berne
46	AEP Substation	Adams County
47	Jay County REMC Power Station	Adams County
48	Power Station	Decatur
49	Sub Station	Adams County

Map ID	Emergency Operation Center	NFIP
50	EOC/ County Jail	Decatur

Map ID	Fire Station	NFIP
51	Berne Fire Station	Berne
52	Decatur Fire Station	Decatur
53	Geneva Fire Station	Geneva
54	Monroe Volunteer Fire Department	Monroe
55	Preble Fire Station	Adams County

Map ID	Government	NFIP
56	Adams County Court House	Decatur
57	Adams County Service Complex	Decatur
58	Adams County Superior Court	Decatur
59	Berne City Hall	Berne
60	Decatur City Hall	Decatur
61	Monroe Town Hall	Monroe
62	Riverside Center	Decatur
63	Town of Geneva Building	Geneva

Map ID	Hazardous Materials Handler	NFIP
64	Adams Central School Bus Garage	Monroe
65	Adams County Highway Department	Monroe
66	Adams County Sheriff Department	Decatur
67	Adams Memorial Hospital	Decatur
68	ANR Fort Wayne Gas Transmission Station	Adams County
69	Bellmont High School	Decatur
70	Berne Public Pool	Berne
71	Berne Sewage Plant	Adams County
72	Berne Street Dept	Berne
73	Berne Water Works	Berne
74	Bunge North America (East), LLC	Decatur
75	Decatur Agriculture Center	Adams County
76	Decatur Street Department, 3rd St	Decatur
77	Decatur Street Department, Elm St	Decatur
78	Decatur Water Plant 1	Decatur
79	Decatur Water Plant 2	Decatur
80	Dolco Packaging Corp	Decatur
81	E P Graphics	Berne
82	Elkhart Products Corporation	Geneva

Map ID	Hazardous Materials Handler	NFIP
83	EPI Bulk Plant	Berne
84	Erie Haven, Inc	Berne
85	FCC (Adams), LLC	Decatur
86	Fleming Excavating, Inc.	Berne
87	Geneva Water Plant	Adams County
88	Gilpin Iron Works Inc.	Geneva
89	Gold Shield Fiberglass, Inc.43-1	Decatur
90	Gold Shield Fiberglass, Inc.43-2	Decatur
91	Grace Farms	Decatur
92	Harvest Land Co-op - Geneva Elevator	Adams County
93	Harvest Land Co-op - Monroe Petroleum	Geneva
94	Harvest Land Co-op - Williams Ag Center	Adams County
95	Helena Chemical Co.	Adams County
96	I&M Decatur Service Center	Berne
97	INDOT Monroe Unit 3	Decatur
98	Jones, Kerry Farm Drainage	Adams County
99	Kaehr Excavating	Adams County
100	Key Fasteners Corp	Adams County
101	Land O Sun Dairies DBA Dean Foods of Decatur	Berne
102	Lehman Feed Mill, Inc	Decatur
103	Mana Poultry	Adams County
104	Manley & Sons Butchering and Canning	Adams County
105	Micromatic LLC	Berne
106	Monroe Water Dept	Monroe
107	National Oil & Gas Decatur Bulk Plant	Decatur
108	North Adams Schools Bus Garage	Decatur
109	Prestress Services Inc	Adams County
110	Providence Agriculture Monroe	Adams County
111	Radman Pullet Farm	Adams County
112	Red Gold Inc - Geneva	Geneva
113	REV Recreation Group: Inc.	Decatur
114	REV Recreation Group; Inc.	Decatur
115	Sate Line LP Gas 10832	Adams County
116	Silberline Mfg Co Inc	Decatur
117	Smith Brothers of Berne	Berne
118	South Adams Schools Bus Garage	Berne
119	Strick Trailers, LLC	Monroe
120	Suburban Propane Decatur 7628	Decatur
121	Thunderbird Products	Decatur
122	United Telephone Company Indiana DBA Century Link Berne Central Office	Berne
123	United Telephone Company Indiana DBA Century Link Decatur Central Office	Decatur
124	US Aggregates - Linn Grove Quarry	Adams County
125	US Aggregates - Pleasant Mills Quarry	Adams County
126	Williams Gas Transmission Station	Adams County
127	Zurcher's Tire	Monroe

Map ID	Law Enforcement	NFIP
128	Adams County Law Enforcement/Detention Center	Decatur
129	Adams County Sheriff's Dept	Decatur
130	Berne Police Dept	Berne
131	Decatur Police Dept	Decatur
132	Geneva Police Dept	Geneva
133	Monroe Town Marshal	Monroe

Map ID	Lift Station	NFIP
134	Berne Lift Station #1	Berne
135	Berne Lift Station #2	Berne
136	Berne Lift Station #3	Berne
137	Berne Lift Station #4	Berne
138	Berne Lift Station #5	Berne
139	Berne Lift Station #6	Berne
140	Decatur Lift Station - 13th Street	Decatur
141	Decatur Lift Station - Borum Run	Decatur
142	Decatur Lift Station - Country Brook	Decatur
143	Decatur Lift Station - Cross Creek	Decatur
144	Decatur Lift Station - Deer Run	Decatur
145	Decatur Lift Station - Industrial Park	Decatur
146	Decatur Lift Station - Industrial Pk S	Decatur
147	Decatur Lift Station - Main	Decatur
148	Decatur Lift Station - Monmouth	Adams County
149	Decatur Lift Station - N Cross Creek	Decatur
150	Decatur Lift Station - North Pointe	Adams County
151	Decatur Lift Station - Pine Valley	Decatur
152	Decatur Lift Station - Swirl Site	Decatur
153	Decatur Lift Station - Waterworks	Decatur
154	Decatur Lift Station - Yost Woods	Adams County
155	Geneva Lift Station #1	Geneva
156	Geneva Lift Station #10	Geneva
157	Geneva Lift Station #11	Geneva
158	Geneva Lift Station #12	Geneva
159	Geneva Lift Station #13	Geneva
160	Geneva Lift Station #14	Geneva
161	Geneva Lift Station #2	Geneva
162	Geneva Lift Station #3	Adams County
163	Geneva Lift Station #4	Geneva
164	Geneva Lift Station #5	Geneva
165	Geneva Lift Station #6	Geneva
166	Geneva Lift Station #7	Geneva
167	Geneva Lift Station #8	Geneva
168	Geneva Lift Station #9	Geneva
169	Monroe Lift Station #1	Monroe
170	Monroe Lift Station #2	Adams County

Map ID	Medical	NFIP
171	Adams County Memorial Hospital	Decatur
172	Berne Medical Center/Swiss Village	Berne
173	Chalet Village Health and Rehab Center	Berne
174	Family Hospice of Northeast Indiana	Berne
175	Monroe Family Medicine	Monroe
176	South Adams Family Medicine	Geneva
177	Woodcrest Nursing Center	Decatur

Map ID	Mobile Home Park	NFIP
178	Briarwood Mobile Home Park	Berne
179	Cottonwood Estates	Decatur
180	East Edge Estates	Adams County
181	Geneva Trailer Park	Geneva
182	Oakridge Estates	Adams County
183	Piqua Estates	Adams County

Map ID	Natural Gas	NFIP
184	ANR Fort Wayne Gas Transmission Station	Adams County

Map ID	Responders	NFIP
185	EMS North Quarters	Decatur
186	South EMS Quarter	Berne

Map ID	School	NFIP
187	Adams Central Elementary School	Monroe
188	Adams Central High School	Monroe
189	Adams Central Middle School	Monroe
190	Bellmont Middle School	Decatur
191	Bellmont Senior High School	Decatur
192	Faith Christian Academy	Adams County
193	Northwest Elementary	Decatur
194	South Adams Elementary School	Berne
195	South Adams High School	Berne
196	South Adams Middle School	Berne
197	Southeast Elementary School	Decatur
198	St Joseph Elementary School	Decatur
199	St Peter Immanuel Lutheran School	Adams County
200	Wyneken Memorial Lutheran School	Adams County
201	Zion Lutheran School	Decatur
202	Amish Private School #3 (Sunny Side)	Adams County
203	Amish Private School (Maple Leaf)	Adams County
204	Blue Creek Amish School	Adams County
205	Brookside School	Adams County
206	Canope Parochial School	Adams County
207	Clear View School	Adams County
208	Country Corner Parochial School	Adams County
209	Country Lane Amish School	Adams County
210	Country View School	Adams County

Map ID	School	NFIP
211	Countryside School	Adams County
212	Curve Creek Parochial School	Adams County
213	East Amish Parochial (Lincoln)	Adams County
214	East Jefferson Parochial School	Adams County
215	Fairview Amish School	Adams County
216	Hartford Valley Amish School	Adams County
217	Hickory Grove Amish School	Adams County
218	Hidden Valley Amish School	Adams County
219	Lone Pine Amish School	Adams County
220	Maple Lane Amish School	Adams County
221	Middle Northeast Amish School (Oak Grove)	Adams County
222	Mt. Caramel	Adams County
223	N.E. Amish Parochial (Pleasant Valley #5)	Adams County
224	N.W. Amish Paro. School #1 (Winchester)	Adams County

Map ID	Shelters	NFIP
225	North Lincoln Amish School	Adams County
226	Pleasant Mills Amish School	Adams County
227	Prairie School	Adams County
228	Rainbow Valley School	Adams County
229	Salem Parochial School	Adams County
230	Shady Lane School	Adams County
231	South Adams Amish School	Adams County
232	South Wabash Amish School (Wab. Valley)	Adams County
233	South Wabash School (Engle Creek)	Adams County
234	Southeast Amish Parochial School	Adams County
235	Spring Hill Amish School	Adams County
236	Spring Meadows Amish School	Adams County
237	Swiss Meadow School	Adams County
238	Swiss Valley Amish School	Adams County
239	Twin Oaks Amish School	Adams County
240	West Wabash School	Adams County
241	Whispering Brook Amish School	Adams County
242	White Oak Ridge School	Adams County

Map ID	Shelter	NFIP
243	Shelter---- Preble Volunteer Fireman Park	Adams County
244	Shelter---Adams County 4-H Building	Monroe
245	Shelter --- Adams Central Schools	Monroe
246	Shelter at Geneva Town Hall	Geneva
247	Shelter Church of God	Decatur
248	Shelter Northwest Elementary School	Decatur
249	Shelter Riverside Center	Decatur
250	Shelter South Adams High Schools	Berne
251	Shelter Southeast School	Decatur
252	Shelter St Peter Lutheran Church	Adams County
253	Shelter St. Mary's Catholic Church	Decatur
254	Shelter The Bridge Church	Decatur

Map ID	Shelter	NFIP
255	Shelter The Crossroad Church	Decatur
256	Shelter Union Township Hall	Adams County
257	Shelter Wyneken Memorial Lutheran School	Adams County

Map ID	Wastewater Treatment Plant	NFIP
258	Berne WWTP	Adams County
259	City of Decatur STP	Adams County
260	Decatur Municipal STP	Decatur
261	Geneva Municipal WWTP	Adams County

Map ID	Water Tower	NFIP
262	Berne Water Tower #1	Berne
263	Berne Water Tower #2	Berne
264	Decatur Water Tower #1	Decatur
265	Decatur Water Tower #2	Decatur
266	Decatur Water Tower #3	Decatur
267	Geneva Water Tower	Geneva
268	Monroe Water Tower	Monroe

Map ID	Water Treatment Plant	NFIP
269	Berne Water Works	Berne
270	City of Decatur Water Treatment	Decatur
271	Decatur Water Plant	Decatur
272	Geneva Water Treatment Plant	Geneva
273	Monroe Public Water Supply	Monroe
274	Oakridge Estates Water Treatment	Adams County

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**APPENDIX 5 USGS Stream Gage Locations and Major
Waterways**

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Stream Gage Location	
Site Number	Site Name
3322900	Wabash River at Linn Grove, Indiana
4181500	St. Marys River at Decatur, Indiana

Major Waterways		
Adler Ditch	Gerke Ditch	Norris Ditch
Anderson Ditch	Glendenning Ditch	Ohler Branch
Aspy Ditch	Habegger Ditch	Ohler Ditch
Ayers Ditch	Hahnert Ditch	Peel Ditch
Barr Ditch	Hendericks Ditch	Rice Ditch
Berry Ditch	Hendricks Ditch	Roth Ditch
Blair Ditch	Henschen Ditch	Rupel Ditch
Blue Creek	Hessler Ditch	Ruppert Ditch
Bluhm Ditch	Hierly Ditch	Saint Marys River
Borum Run	Holbrock Ditch	Schugg Ditch
Bracht Ditch	Holthouse Ditch	Selking Ditch
Breiner Joint Ditch	Jamstutz Ditch	Shoemaker Ditch
Brewster Ditch	Johnson Ditch	Smith Ditch
Brown Ditch	Kohne Number One Ditch	Smith Shoemaker Ditch
Bulhman Schoder Ditch	Kohne Number Two Ditch	Sprunger Ditch
Compro-Wittmer Ditch	Koos Ditch	Straight Branch
Conrad Ditch	Kutzman Ditch	Sullivan Ditch
Duer Ditch	Lambert Ditch	Swartz Ditch
Egley Ditch	Leichty Ditch	Threemile Creek
Engle Ditch	Limberlost Creek	Twentyseven Mile Creek
Farlow Ditch	Little Blue Creek	Wabash River
Ferguson Ditch	Loblolly Creek	Wagner Number One Ditch
Flatrock Creek	Martz Creek	Weber Ditch
Fuch Ditch	Martz Ditch	Werling Joint Ditch
Gallmeyer Ditch	Meyer Ditch	Werling Myers Ditch
Gates Ditch	Miller Ditch	Wittmer Number One Ditch
Gerber Ditch	Moser Ditch	Wittmer Number Two Ditch
Gerber Joint Ditch	Nickelsen Creek	Yellow Creek

APPENDIX 6

IMPLEMENTATION CHECKLIST

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MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	UPDATE STATUS	2022 STATUS
<p>Community Rating System</p> <p>1. Reduce flood insurance premiums through increased participation or advancement in the NFIP's CRS Program. <i>(2011 Measure)</i></p> <p><i>(Will assist with NFIP compliance)</i></p>	<input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Hail/Thunder/Wind <input type="checkbox"/> Tornado <input type="checkbox"/> Winter Storm/Ice <input type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <p>1. City of Decatur participates at a Level 8</p> <p>Proposed Enhancement –</p> <p>1. Participation from Adams County and others</p>	
<p>Emergency Response & Recovery</p> <p>1. Investigate a voluntary immunization program for all emergency responders, inspection staff, and families <i>(2011 Measure)</i></p> <p>2. Maintain the water rescue and dive team</p> <p>3. Review and update procedures to alert and evacuate populations (especially special needs populations) in known hazard areas SFHAs, dam failure areas, Tier II areas) <i>(2011 Measure)</i></p> <p>4. Coordinate communications, documentation, and record keeping between NFIP communities and agencies including a database of accurate and community specific information following each hazard events <i>(2011 Measure)</i></p> <p>5. Inventory needs for mobile data terminals in response vehicles and purchase and install as feasible <i>(2011 Measure)</i></p> <p>6. Investigate reciprocal agreements between neighboring communities/counties for structural inspections following hazardous events <i>(2011 Measure)</i></p> <p>7. Purchase equipment such as UTV and portable lighting to use in remote areas such as along rivers and trails</p>	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <p>1. Immunizations are provided to employees</p> <p>2. Water rescue team has been established</p> <p>3. Flood Response Plan has been developed for City of Decatur; SOP for Town of Geneva</p> <p>4. Some coordination occurs</p> <p>5. Some vehicles have mobile data terminals</p> <p>Proposed Enhancement –</p> <p>1. Provide immunizations to all County and municipal staff and extend to families</p> <p>2. Maintain water rescue team and continue to send personnel to South Bend training school as funding allows</p> <p>3. Review FRP, update as necessary, provide information to all response agencies; develop for other communities; prepare similar plans regarding other hazard areas</p> <p>4. Utilize WebEOC or similar program to fully coordinate communications, documentation, and recordkeeping</p> <p>5. Purchase and install additional terminals</p> <p>6. Agreements would be needed for non-municipal inspectors to act within the municipality</p> <p>7. Investigate needs and obtain equipment such as UTV and portable lighting</p>	

MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	UPDATE STATUS	2022 STATUS
<p>Hazardous Materials</p> <ol style="list-style-type: none"> 1. Continue LEPC reporting and training efforts as required through SARA Title III and ensure current facility maps and response plans are on file for Tier II facilities. 2. Increase number of Operations level personnel available for responding to Haz Mat Incidents 3. Provide training related to software linking Fire Departments, EHS facilities and EMA 4. Complete transportation survey to determine typical chemicals and quantities of chemicals being transported through the county <i>(2011 Measure)</i> 	<input type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <ol style="list-style-type: none"> 1. Records are maintained for Tier II facilities 2. Berne Fire Department trains to Awareness Level; Decatur, Monroe and Preble Fire Departments have Operations Levels and HazMat Team is based in Fort Wayne (Allen County) <p>Proposed Enhancement –</p> <ol style="list-style-type: none"> 1. Efforts should be strengthened to ensure requirements are met and trainings span several communities and potential hazards 2. Increase all Responders to Operations Level 3. Investigate software training needs and provide within the county 4. Complete the transportation survey and utilize results for training and planning efforts 	
<p>Land Use Planning & Zoning</p> <ol style="list-style-type: none"> 1. Incorporate hazard information, risk assessment, and hazard mitigation practices into the Comprehensive Land Use Plan and Development Review to better guide future growth and development 2. Establish overlay zones in the Zoning Ordinance to discourage development, especially critical facilities in known hazard areas or require setbacks of noncritical facilities <i>(2011 Measure)</i> 3. Encourage the use of innovative planning tools such as open space planning, cluster development, low impact development, greenways development, and conservation easements to limit development in known hazard areas. 	<input checked="" type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input type="checkbox"/> Tornado <input type="checkbox"/> Wildfire <input type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <ol style="list-style-type: none"> 1. Hazard information has been incorporated into some areas of the Comprehensive Land Use Plan <p>Proposed Enhancement –</p> <ol style="list-style-type: none"> 1. Increase the number of hazards considered, more definitively outline higher risk areas and those that should be avoided for future development 2. Establish overlay zones to restrict development 3. Encourage innovative planning tools for new developments 	
<p>Management of High Hazard Dams</p> <ol style="list-style-type: none"> 1. Review regular inspection reports and maintenance records of high hazard dams 2. Encourage Saddle Lake Dam owners to develop an IEAP. 	<input type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input type="checkbox"/> Tornado <input type="checkbox"/> Wildfire <input type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <ol style="list-style-type: none"> 1. Inspection reports have not been received since 2000 <p>Proposed Enhancements –</p> <ol style="list-style-type: none"> 1. Ensure inspections are reported and required improvements and repairs are completed in a timely manner 2. Encourage and assist Saddle Lake Dam owners in completing an IEAP 	

MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	UPDATE STATUS	2022 STATUS
<p>Power Back-Up Generators</p> <ol style="list-style-type: none"> 1. Inventory, prioritize, and retrofit public facilities and/or critical facilities with appropriate wiring and electrical capabilities for utilizing a large generator for power back up <i>(2011 Measure)</i> 2. Secure a fuel reserve for critical infrastructure may run on power back-up for extended periods of time 3. Designate a fuel reserve transportation route 4. Encourage an ordinance requiring new and existing critical facilities to have generators and appropriate wiring 	<input type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <ol style="list-style-type: none"> 1. Many critical facilities have generators <p>Proposed Enhancements –</p> <ol style="list-style-type: none"> 1. Inventory and prioritize critical facilities for retrofitting wiring and generator capabilities 2. Secure a fuel reserve via contract service agreement 3. Encourage developers to bury utility lines 4. Obtain additional mobile generators 	
<p>Public Education & Outreach</p> <ol style="list-style-type: none"> 1. Develop an education and outreach campaign encouraging residents, especially the Amish population, to keep in contact with their neighbors during hazard events 2. Post information/warning signs in local parks and other public gathering places explaining what to do in case of a hazard event. 3. Provide multi-lingual hazard preparedness literature (warning sirens, radio stations, go-kits, insurance protection, etc.) during Severe Weather Awareness Week, at public facilities and events and to populations within known hazard areas such as floodplains, downstream of a dam, near hazmat facilities, etc. <i>(2011 Measure)</i> 	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <ol style="list-style-type: none"> 1. The Health Department has had limited success dealing with the Amish population 3. Literature is provided at several public facilities and office locations as well as large public events throughout the County. Populations within the special flood hazard areas are educated through required flood insurance purchases and various website and literature pieces. <p>Proposed Enhancement –</p> <ol style="list-style-type: none"> 1. Develop a campaign for neighbor check-ins and continue to work with Amish Bishops to provided information to their congregations 2. Post information in parks and other gathering places 3. Encourage the enhancement of the messages provided to various cultural groups and neighborhoods; Educate landowners within the dam inundation areas of the potential dangers and what to do in an emergency situation. Such as encourage voluntary purchase of federally-subsidized flood insurance; formalize a neighborhood or local campaign where community representatives (Amish Bishops) provide residents with emergency information and protocols. 	
<p>Safer Rooms and Community Shelters</p> <ol style="list-style-type: none"> 1. Maintain shelter agreements within the County. Potential for tiered levels of shelters, domestic animal shelters, etc. especially in small communities <i>(2011 Measure)</i> 2. Investigate possible incentives for (private) buildings with approved safe rooms <i>(2011 Measure)</i> 	<input type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <ol style="list-style-type: none"> 1. Shelters locations are spaced throughout the county as available and as needed <p>Proposed Enhancement –</p> <ol style="list-style-type: none"> 1. Continue to determine if additional shelter locations are needed 2. Investigate and consider possible incentives 	

MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	UPDATE STATUS	2022 STATUS
<p>Tree Maintenance</p> <p>1. Maintain trees on public property and rights-of-way and encourage maintenance on private property to reduce the risk of downed utility lines and falling limbs</p>	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input type="checkbox"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <p>1. Utility providers perform routine maintenance along ROW</p> <p>Proposed Enhancement –</p> <p>1. Encourage private landowners to perform maintenance or avoid planting improper trees and shrubs</p>	
<p>Water Conservation</p> <p>1. Propose and adopt a water conservation ordinance and contingency plans to implement during water shortages</p> <p>2. Develop standard procedures for issuing an open burning ban during dry periods</p>	<input checked="" type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input type="checkbox"/> Flood <input type="checkbox"/> Hail/Thunder/Wind <input type="checkbox"/> Landslide/Subsidence <input type="checkbox"/> Tornado <input type="checkbox"/> Wildfire <input type="checkbox"/> Winter Storm/Ice <input type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident	High	<p>Ongoing –</p> <p>1. City of Decatur has a Water Conservation Ordinance</p> <p>Proposed Enhancement –</p> <p>1. Adopt a County-wide Ordinance</p> <p>2. Develop standard for issuing ban on recreation open burning</p>	
<p>Building Protection</p> <p>1. Protect existing critical facilities in floodplains (<i>2011 Measure</i>)</p> <p>2. Prohibit development of new critical facilities in 100 and 500 year floodplains</p> <p>3. Complete acquisition and/or demolition of Evergreen property in City of Decatur</p> <p>4. Continue to work with residential owners to buyout and mitigate properties subject to flooding</p> <p>5. Relocate, buyout, or floodproof (non-residential) existing, non-critical facilities subject to repetitive flooding</p> <p><i>(Will assist with NFIP compliance)</i></p>	<input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Hail/Thunder/Wind <input type="checkbox"/> Landslide/Subsidence <input type="checkbox"/> Tornado <input type="checkbox"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident	<p>High</p> <p><i>(protect existing critical facilities, prohibit new facilities, Evergreen, residential buyouts)</i></p> <p>Moderate</p> <p><i>(existing, non-residential, non-critical)</i></p>	<p>Ongoing –</p> <p>2. Decatur City Council is working to adopt an ordinance</p> <p>3. Negotiations for mitigation of Evergreen property currently in progress</p> <p>4. City of Decatur has participated in numerous residential property buyouts; Geneva has prioritized structures for buyouts</p> <p>Proposed Enhancements –</p> <p>1. Protect the existing facilities identified as within the SFHA</p> <p>2. Adopt an Ordinance in all communities and the county</p> <p>3. Complete mitigation of Evergreen property</p> <p>4. Continue to prioritize and work with owners to mitigate residential properties</p> <p>5. Investigate and prioritize existing, non-residential, non-critical facilities subject to repetitive flooding</p>	

MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	UPDATE STATUS	2022 STATUS
<p>Emergency Preparedness & Warning</p> <ol style="list-style-type: none"> 1. Coordinate with private business owners utilizing large dynamic message boards for business to provide messages during hazardous events and recovery efforts. 2. Encourage weather radios in all critical infrastructure and encourage use by residents and businesses. 3. Investigate mass notification systems and various social media outlets to provide hazard related messages <i>(2011 Measure)</i> 4. Improve disaster preparedness and emergency response within the county through the StormReady Community Program <i>(2011 Measure)</i> 5. Utilize public announcement systems, either mobile or permanent, during large events <i>(2011 Measure)</i> 6. Improve planning and coordination among event coordinators, facility owners, and emergency response teams 7. Purchase additional mobile electronic messaging boards and develop protocol for local interactions to provide current hazard information. 8. Evaluate and utilize flood forecasting capabilities including stream gages, flood forecast maps, and flood alerts <i>(2011 Measure)</i> 9. Improve outdoor warning siren coverage to alert population of severe weather conditions <i>(2011 Measure)</i> 10. Maintain a centralized system for testing, maintenance, and operation of outdoor warning sirens <i>(2011 Measure)</i> 11. Propose an ordinance to require developers to install additional outdoor warning sirens for new developments or pay into a siren fund as part of new development 12. Improve disaster preparedness and emergency response at the local level through the CERT program <i>(2011 Measure)</i> 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident 	<p>High <i>(private message boards, weather radios, mass notification, StormReady, public announcements, coordinated planning, flood forecasting, additional sirens, siren maintenance)</i></p> <p>Moderate <i>(CERT)</i></p>	<p>Ongoing –</p> <ol style="list-style-type: none"> 1. City of Decatur is working with Chamber of Commerce to purchase a large dynamic message board 2. Radios are encouraged and provided 4. County and communities recently certified as StormReady 5. City of Decatur has plans to install a speaker system within Main Street Beautification efforts 6. Planning efforts are beginning with various large events 7. The County has mobile message boards for use during and following events 8. The County has 2 USGS gages 9. The County has 14 outdoor warning sirens 10. The County dispatch tests outdoor warning sirens 12. Approximately 25 residents are CERT trained <p>Proposed Enhancements –</p> <ol style="list-style-type: none"> 1. Develop a list of partnering private businesses willing to display hazard related messages within other communities 2. Continue to provide and encourage the use of weather radios, investigate alternatives appropriate for Amish 3. Investigate mass notification options and select appropriate system for new safety building capabilities 4. Increase awareness and participation in StormReady activities 5. Purchase mobile announcement system for use during large events 6. Develop and distribute templates for event coordinators' use to strengthen planning and response efforts for large events 7. Investigate need and prioritize purchase of additional mobile message boards 8. Evaluate flood forecasting abilities; determine needs for additional gages or capabilities; upstream of Geneva 9. Investigate potential for additional sirens in Pleasant Mills and Linn Grove 10. Continue to maintain sirens as needed 11. Investigate and propose an ordinance establishing outdoor siren fund 12. Continue to provide CERT training for interested residents 	

MITIGATION PRACTICE	HAZARD ADDRESSED	PRIORITY	UPDATE STATUS	2022 STATUS
<p>Floodplain Management</p> <ol style="list-style-type: none"> Encourage one or more staff for each NFIP community to become a Certified Floodplain Manager (CFM) Complete flood depth mapping (RiskMAP) to better understand flood risk potential Conduct detailed flood protection studies for problem areas and/or areas with repetitive flooding problems Complete fluvial erosion hazard mapping to identify and protect critical infrastructure that may be impacted by natural stream movement <p><i>(Will assist with NFIP compliance)</i></p>	<input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Hail/Thunder/Wind <input type="checkbox"/> Landslide/Subsidence <input type="checkbox"/> Tornado <input type="checkbox"/> Wildfire <input type="checkbox"/> Winter Storm/Ice <input type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident	<p>High <i>(CFM, RiskMAP, overlay)</i></p> <p>Moderate <i>(detailed flood protection, fluvial erosion)</i></p>	<p>Ongoing –</p> <ol style="list-style-type: none"> City of Decatur has a CFM City of Decatur has flood depth mapping Majority of streams with 1 square mile or larger drainage areas have been studied <p>Proposed Enhancements –</p> <ol style="list-style-type: none"> Encourage other NFIP staff to obtain CFM certifications Complete flood depth grid mapping to include all flood prone areas within the County, especially in municipalities Complete studies for streams with smaller drainage areas or those locations with poor drainage Prioritize areas and map fluvial erosion hazard along river corridors 	
<p>Geographic Information Systems</p> <ol style="list-style-type: none"> Train GIS staff in HAZUS-MH to quantitatively estimate losses in “what if scenarios” and continue to use the most recent GIS data in land use planning efforts. 	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Wildfire <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	<p>Moderate</p>	<p>Ongoing –</p> <ol style="list-style-type: none"> GIS is used by several communities <p>Proposed Enhancement –</p> <ol style="list-style-type: none"> Additional training for GIS staff 	

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APPENDIX 7

POTENTIAL FUNDING SOURCES

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AmeriCorps

The AmeriCorps*State works with Governor-appointed State Service Commissions to provide grants to non-government and government entities that sponsor service programs. These organizations use their grants to engage AmeriCorps members in service to help meet critical community needs in education, public safety, health, and the environment.

Previous Activities Funded: Assisting disaster victims, building homes, restoring parks and other community facilities while mobilizing community volunteers.

Ms. Paula Parker-Sawyers, Exec. Director
Office of Faith-Based & Community Initiative
302 W Washington St. Room E220
Indianapolis IN 46204-4701
317.233.4273 ~ Phone
317.233.5660 ~ Fax
www.state.in.us/iccsv

Assistance to Firefighters Grant

The Assistance to Firefighters Grant (AFG) is a competitive grant opportunity for local fire departments and Emergency Medical Service (EMS) organizations that are not affiliated with a hospital.

Previous Activities Funded: The AFG funds activities such as purchasing firefighting equipment, personal protection equipment, training, firefighting vehicles, and firefighter/first responder safety projects.

<http://www.firegrantsupport.com/>

Challenge 21, Floodplain

Challenge 21, the Army Corps' flood hazard mitigation and riverine ecosystem restoration initiative, will focus on more sustainable approaches. Through its focus on non-structural alternatives to flood protection, it will, where appropriate, move families and businesses out of harm's way and strive to return the floodplains of rivers and creeks to a condition where they can naturally moderate floods as well as provide other benefits to communities and the environment. Watershed by watershed, Challenge 21 builds on existing programs and initiates and expands partnerships with other Federal agencies and non-Federal national and local entities. Key Federal partners include the FEMA, the Department of Agriculture, the Department of Interior and the EPA.

Previous Activities Funded: A project might include the relocation of threatened homes or businesses, conservation or restoration of wetlands and natural floodwater storage areas and planning for responses and solutions to potential future floods

http://www.americanrivers.org/site/PageServer?pagename=AMR_content_d156

CHIEF Grants Service

CHIEF Grants is a free service from CHIEF supply company. Dedicated to helping public safety professionals meet today's funding challenges, CHIEF Grants is a one-stop shop for open grants, grant writing tips, seminars, and grant news.

Previous Activities Funded: Various types of grants are highlighted with numerous activities funded. This a grant service, not an individual grant opportunity.

<http://www.chiefsupply.com/grants/>

Clean Water State Revolving Loan Fund

Clean Water State Revolving Loan Fund (CWSRLF) programs operate much like environmental infrastructure banks that are capitalized with federal and state contributions. CWSRLF monies are loaned to communities and loan repayments are recycled back into the program to fund additional water quality

protection projects. The revolving nature of these programs provides for an ongoing funding source that will last far into the future.

Previous Activities Funded: The CWSRF funds a broad range of projects—from wastewater systems and nonpoint source pollution control to estuary management and a range of projects focusing on water quality. Funding is typically directed to state-identified high priority projects based on several factors, including: public health protection; condition of impacted waters; and communities’ regulatory compliance status.

<http://epa.gov/OW-OWM.html/cwfinance/cwsrf/basics.htm>

Community Development Block Grants

Communities receiving Community Development Block Grants (CDBG) funds from the State may use the funds for many kinds of community development activities including, but not limited to property acquisition, public services, planning activities, and community development activities.

Previous Activities Funded: Funds have been used in Indiana for purposes such as Public facility improvements, flood and drainage facilities, Fire stations and equipment, and various community related activities and facilities.

<http://www.in.gov/ihfa/comdev/comp/manuals/im/im.htm>

Ms. Deanna Oware, Director
State of Indiana
Department of Commerce/Community Development
One N. Capitol Ave.
Suite 600
Indianapolis, IN 46204-2027
Phone: 317-232-8911
Fax: 317-233-3597

Community Facilities Grants and Loans

The Rural Housing Service (RHS) of the Department of Agriculture offers loans and grants to construct, enlarge, extend, or otherwise improve community facilities providing essential services to rural residents.

Previous Activities Funded: Priority for funding will be given to those projects that will enhance public safety such as fire, police, rescue, and ambulance services, and projects for health care facilities. The fire service can use the funding for fire stations, fire trucks and rescue vehicles.

www.rurdev.usda.gov/rhs/ProgramBriefs/brief_cp_grant.htm

Community Rating System

The National Flood Insurance Program's (NFIP) Community Rating System (CRS) is a voluntary incentive program that recognizes and encourages community floodplain management activities that exceed the minimum NFIP requirements. As a result, flood insurance premium rates are discounted to reflect the reduced flood risk resulting from the community actions meeting the three goals of the CRS: (1) reduce flood losses; (2) facilitate accurate insurance rating; and (3) promote the awareness of flood insurance.

Previous Activities Funded: While the CRS does not provide direct funding, reductions in insurance premiums can be significant for participants.

<http://www.fema.gov/nfip/crs.shtm>

Conservation Reserve Program

The Conservation Reserve Program (CRP) is a voluntary program for agricultural landowners. Through CRP, landowners can receive annual rental payments and cost-share assistance to establish long-term, resource conserving covers on eligible farmland to reduce soil erosion, and potential flood loss and damage.

Previous Activities Funded: Filter Strip Establishment, Wetland Restoration, Riparian Buffer Establishment

<http://www.fsa.usda.gov/dafp/cepd/crp.htm>

The Cora Brown Fund

To provide for disaster-related needs that have not been, or will not be met by government agencies or any other organizations which have programs to address such needs; however, the fund is not intended to replace or supersede these programs. The fund may not be used in a way that is inconsistent with other federally mandated disaster assistance or insurance programs. Money from the fund will not duplicate assistance for which a person is eligible from other sources.

Previous Activities Funded: Disaster related home repair and rebuilding, services which alleviate human suffering due to disasters and disaster related unmet needs.

http://www.federalgrantswire.com/cora_brown_fund.html

Department of Interior Rural Fire Assistance Program

The Department of Interior (DOI) Rural Fire Assistance Program is aimed at enhancing the fire protection capabilities of rural fire districts in the wildland urban interface. The rural fire department must serve a community with a population of 10,000 or less and must have a statewide agreement with the state forester who maintains cooperative agreements with the rural fire departments or volunteer fire departments or a cooperative fire agreement with an agency in the DOI.

Previous Activities Funded: The program assists with training, equipment purchase, and prevention activities, on a 90/10 cost-share basis.

<http://www.nifc.gov/rfa/steps.html>

Direct Housing: Natural Disaster

Funds are only available to the extent that funds are not provided by the Federal Emergency Management Agency (FEMA). For the purpose of administering these funds, natural disaster will only include those areas identified by a Presidential declaration.

Previous Activities Funded: To assist qualified lower income rural families to meet emergency assistance needs resulting from natural disaster to buy, build, rehabilitate, or improve dwellings in rural areas.

http://www.federalgrantswire.com/direct_housingnatural_disaster.html

Disaster Reserve Assistance

To provide emergency assistance to eligible livestock owners, in a State, county, or area approved by the Secretary or designee, where because of disease, insect infestation, flood, drought, fire, hurricane, earthquake, hail storm, hot weather, cold weather, freeze, snow, ice, and winterkill, or other natural disaster, a livestock emergency has been determined to exist.

Previous Activities Funded: This assistance is in the form of a direct payment to affected eligible landowners and is administered through the Farm Service Agency.

http://www.federalgrantswire.com/disaster_reserve_assistance.html

Disposal of Federal Surplus Real Property for Parks, Recreation, and Historic Monuments

Surplus real property may be conveyed for public park and recreation use at discounts up to 100 percent of fair market value and for historic purposes without monetary consideration. Property conveyed for park and recreation use or historic purposes must be used for these purposes in perpetuity or be reverted to Federal ownership.

Previous Activities Funded: Property, either real or land, varies with time with items available for public sale, lease or extended use in perpetuity.

http://www.federalgrantswire.com/disposal_of_federal_surplus_real_property_for_parks_recreation_and_historic_monuments.html

Emergency Conservation Program

The United States Department of Agriculture (USDA) Farm Service Agency's (FSA) Emergency Conservation Program (ECP) provides emergency funding and technical assistance for farmers and ranchers to rehabilitate farmland damaged by natural disasters and for carrying out emergency water conservation measures in periods of severe drought.

Previous Activities Funded: This assistance is in the form of a direct payment to affected eligible landowners and is administered through the Farm Service Agency.

<http://disaster.fsa.usda.gov/ecp.htm>

Environmental Quality Incentive Program

The Environmental Quality Incentive Program (EQIP) offers contracts with a minimum term that ends one year after the implementation of the last scheduled practices and a maximum term of ten years. These contracts provide incentive payments and cost-shares to implement conservation practices. Persons who are engaged in livestock or agricultural production on eligible land may participate in the EQIP program. EQIP activities are carried out according to an environmental quality incentives program plan of operations developed in conjunction with the producer that identifies the appropriate conservation practice or practices to address the resource concerns. The practices are subject to Natural Resources Conservation Service (NRCS) technical standards adapted for local conditions. The local conservation district approves the plan.

Previous Activities Funded: Cost sharing may pay up to 75 percent of the costs of certain conservation practices, such as grassed waterways, filter strips, manure management facilities, capping abandoned wells, and other practices important to improving and maintaining the health of natural resources in the area.

<http://www.nrcs.usda.gov/programs/eqip/>

Emergency Rehabilitation of Flood Control Works

Assistance does not extend to major improvements of flood control or federally authorized coastal protection structures, nor to reimbursement of individuals or communities for funds expended in repair or rehabilitation efforts.

Previous Activities Funded: Authorized assistance includes emergency repair or rehabilitation of flood control works damaged by flood, and restoration of federally authorized coastal protection structures damaged by extraordinary wind, wave, or water action.

http://www.federalgrantswire.com/emergency_rehabilitation_of_flood_control_works_or_federally_authorized_coastal_protection_works.html

Emergency Watershed Protection Program

The Emergency Watershed Protection Program (EWPP) work is not limited to any one set of prescribed measures. A case by case investigation of the needed work is made by NRCS.

Previous Activities Funded: EWPP work can include: removing debris from stream channels, road culverts, and bridges; reshaping and protecting eroded banks; correcting damaged drainage facilities; repairing levees and structures; reseeding damaged areas; and purchasing floodplain easements.

<http://www.nrcs.usda.gov/programs/ewp/questions.html>

Farmland Protection Program

The Farmland Protection Program provides funds to help purchase development rights to keep productive farmland in agricultural uses. To qualify, farmland must: be part of a pending offer from a State, tribe, or local farmland protection program; be privately owned; have a conservation plan; be large enough to sustain agricultural production; be accessible to markets for what the land produces; have adequate infrastructure and agricultural support services; and have surrounding parcels of land that can support long-term agricultural production. Depending on funding availability, proposals must be submitted by the government entities to the appropriate NRCS State Office during the application window.

Previous Activities Funded: Working through existing programs, USDA joins with State, tribal, or local governments to acquire conservation easements or other interests from landowners. USDA provides up to 50 percent of the fair market easement value.

<http://www.info.usda.gov/nrcs/fpcp/fpp.htm>

Fire Prevention & Safety Grant

The purpose of these grants is to enhance the safety of the public and firefighters with respect to fire and fire-related hazards. The primary goal of the Assistance to Firefighters Grant (AFG) Program's Fire Prevention and Safety Grant (FP&S) is to reach high-risk target groups in order to mitigate the high incidences of death and injuries. Additionally for Fiscal Year (FY) 2005 Congress amended the authorization to include funding for Firefighter Safety Research and Development. This guidance provides details for applying for either of these financial assistance instruments. There is no cost share requirement for the FY 2005 Fire Prevention and Safety grants.

Previous Activities Funded: Grants have been awarded to assist with the costs associated with training, equipment, vehicles for fire departments and firefighter safety research.

http://www.firegrantsupport.com/fp_about.aspx

Flood Mitigation Assistance Program

The Flood Mitigation Assistance (FMA) program provides funding to assist States and communities in implementing measures to reduce or eliminate the long-term risk of flood damage to buildings, manufactured homes, and other structures insurable under the National Flood Insurance Program (NFIP). There are three types of grants available under FMA: Planning, Project, and Technical Assistance Grants. FMA Planning Grants are available to States and communities to prepare Flood Mitigation Plans. NFIP-participating communities with approved Flood Mitigation Plans can apply for FMA Project Grants. FMA Project Grants are available to States and NFIP participating communities to implement measures to reduce flood losses.

Previous Activities Funded: A few examples of eligible FMA projects include: the elevation, acquisition, and relocation of NFIP-insured structures.

<http://www.fema.gov/fima/mitgrant.shtm>

Hazards Mitigation Grant Program

Authorized under Section 404 of the Stafford Act, the Hazard Mitigation Grant Program (HMGP) provides grants to States and local governments to implement long-term hazard mitigation measures after a major disaster declaration. The purpose of the program is to reduce the loss of life and property due to natural disasters and to enable mitigation measures to be implemented during the immediate recovery from a disaster declaration. The purpose of the program is to reduce the loss of life and property due to natural disasters and to enable mitigation measures to be implemented during the immediate recovery from a disaster.

Previous Activities Funded: Acquisition of hazard-prone property; stormwater management, elevation of flood-prone structures, and infrastructure protection measures are all considered eligible projects and have been funded in the past.

<http://www.fema.gov/fima/mitgrant.shtm>

Hazardous Materials Emergency Preparedness Grant

The Hazardous Materials Emergency Preparedness (HMEP) grant program is intended to provide financial and technical assistance as well as national direction and guidance to enhance State, Territorial, Tribal, and local hazardous materials emergency planning and training. The HMEP Grant Program distributes fees collected from shippers and carriers of hazardous materials to emergency responders for hazmat training and to Local Emergency Planning Committees (LEPCs) for hazmat planning.

Previous Activities Funded: These grants have been used for developing, improving, and implementing emergency plans, and training public sector employees to respond safely and efficiently to accidents and incidents involving the transportation of hazardous materials.

<http://hazmat.dot.gov/training/state/hmep/hmep.htm>

Indiana Family and Social Services Administration

The Family and Social Services Administration provides services to help keep children healthy and safe and help families to self-sufficient.

Previous Activities Funded: The agency may provide programs related to heating/cooling of residential buildings, temporary housing, and other important contacts in the event of an emergency or disaster.

<http://www.in.gov/fssa/families/>

Indiana Resource Conservation & Development Districts

The purpose of the Resource Conservation and Development (RC&D) program is to accelerate the conservation, development and utilization of natural resources, improve the general level of economic activity, and to enhance the environment and standard of living in designated RC&D areas. It improves the capability of State, tribal and local units of government and local nonprofit organizations in rural areas to plan, develop and carry out programs for resource conservation and development. The program also establishes or improves coordination systems in rural areas.

Previous Activities Funded: Forestry projects, wetland development, Community training projects, and other projects related to community and natural resource enhancement and protection.

<http://www.in.nrcs.usda.gov/programs/RC&D/RC&Dhomepage.html>

Indiana Rural Development Council

The Indiana Rural Development Council (IRDC) is a partnership of local, state, federal, profit and not-for-profit stakeholders that serve Indiana communities. The IRDC's purpose is to coordinate efforts of citizens and governments to meet the economic and social needs of rural Indiana.

Previous Activities Funded: These funds will be utilized to address a variety of rural issues in the areas of economic/community development, planning, leadership, infrastructure, health, telecommunication/education, workforce development, agriculture, and rural regional development initiatives.

<http://www.in.gov/irdc/index.html>

Indiana State Revolving Loan Fund

The Indiana State Revolving Fund (SRF) Loan Program provides low-interest loans to Indiana communities for projects that improve wastewater and drinking water infrastructure. The Indiana Department of Environmental Management (IDEM) and the Indiana State Budget Agency work together to administer this program and to protect public health and the environment. Recently, SRF has implemented a program to fund nonpoint source projects, as well.

Previous Activities Funded: Activities include Treatment plant improvements and upgrades, Riparian Buffers and Conservation Easements, and Wetland protection and restoration measures.

<http://www.in.gov/idem/srf/factsht0704.doc>

Indiana Transportation Enhancements Program

Transportation enhancements (TE) are transportation-related activities that are designed to strengthen the cultural, aesthetic, and environmental aspects of the Nation's inter-modal transportation system.

Previous Activities Funded: The transportation enhancements program provides for the implementation of a variety of non-traditional projects, with examples ranging from Acquisition of scenic easements, landscaping and scenic beautification, and to the mitigation of water pollution from highway runoff all of which could be utilized as measures to control or mitigate flood damage.

http://www.enhancements.org/statecontacts_TE.asp

Land and Water Conservation Fund

The Land and Water Conservation Fund (LWCF) program provides matching grants to States and local governments for the acquisition and development of public outdoor recreation areas and facilities. The program is intended to create and maintain a nationwide legacy of high quality recreation areas and facilities and to stimulate non-federal investments in the protection and maintenance of recreation resources across the United States.

Previous Activities Funded: Funds have been widely utilized for land acquisition, open space/greenspace development, which can include wetland development, critical seeding areas and other projects that can reduce the impacts of flooding.

<http://www.nps.gov/lwcf/>

Low Interest Loan Incentives

Loan amounts up to \$700,000 with interest rates of 2.5 percent to 3.0 percent are available to cities, towns and counties. The loan pays for the cost of remediation and/or demolition at identified brownfield sites.

Previous Activities Funded: Eligible activities include: soil and groundwater cleanup, demolition activities, asbestos/lead paint abatement, and additional investigations.

<http://www.idfabrownfields.com/assistance.aspx#LILI>

National Flood Insurance Program

The National Flood Insurance Program (NFIP) is a Federal program enabling property owners in participating communities to purchase insurance protection against losses from flooding. This insurance is designed to provide an insurance alternative to disaster assistance to meet the escalating costs of repairing damage to buildings and their contents caused by floods. Participation in the NFIP is based on an agreement between local communities and the Federal Government that states if a community will adopt and enforce a floodplain management ordinance to reduce future flood risks to new construction in Special Flood Hazard Areas, the Federal Government will make flood insurance available within the community as a financial protection against flood losses.

Previous Activities Funded: Flood insurance is made available within the community as a financial protection against flood losses.

<http://www.fema.gov/nfip/intnfip.shtm>

Office for Domestic Preparedness Terrorism Formula Grants

The Office for Domestic Preparedness (ODP) provides funding through the states awards to enhance the capacity of emergency responders to prevent, deter, or respond to terrorist incidents involving weapons of mass destruction. The funding is awarded to a point of contact in each state and then distributed within the state.

Previous Activities Funded: Activities have included training, technical assistance, equipment, planning and exercises related to domestic terrorism events.

<http://www.ojp.gov/state.htm>

Petroleum Remediation Grant Incentive

Grant amounts up to \$250,000 per applicant and per funding round are available to cities, towns and counties. The grant pays for the cost of petroleum remediation at identified brownfield sites.

Previous Activities Funded: Eligible activities include: underground storage tank removal, Corrective Action Plan preparation, IDEM approved remediation and monitoring.

<http://www.idfabrownfields.com/assistance.aspx#PRGI>

Pre-Disaster Mitigation Program

The Pre-Disaster Mitigation (PDM) program provides technical and financial assistance to States and local governments for cost-effective pre-disaster hazard mitigation activities that complement a comprehensive mitigation program, and reduce injuries, loss of life, and damage and destruction of property. FEMA provides grants to States and Federally recognized Indian tribal governments that, in turn, provide sub-grants to local governments (to include Indian Tribal governments) for mitigation activities such as planning and the implementation of projects identified through the evaluation of natural hazards.

Previous Activities Funded: Acquisition and/or relocation of flood-prone properties, Drainage/stormwater management projects, and hazard mitigation planning activities.

<http://www.fema.gov/fima/mitgrant.shtm>

Public Assistance Grant Program

FEMA's Public Assistance (PA) Grant Program allows State and Local governments and Non-Profit Organizations to respond to disasters, to recover from their impact and to mitigate impact from future disasters. The PA Program provides the basis for consistent training and credentialing of staff who administer the program; more accessible and understandable guidance and policy for participating in the grant program; improved customer service through a more efficient grant delivery process, applicant-centered management, and better information exchange; and continuing performance evaluations and program improvements.

Previous Activities Funded: Debris removal from public roads and rights-of-way, Emergency protective measures including search and rescue, warning of hazards, and demolition of unsafe structures, Utility Distribution Systems, such as water treatment and delivery systems; and sewage collection and treatment facilities and public parks.

<http://www.fema.gov/rrr/pa/>

Purdue Cooperative Extension Service

Purdue Cooperative Extension Service provides valuable educational materials and training programs to assist in the event of a disaster or emergency

Steve Cain

Disaster Communication Specialist

615 W. State Street

Purdue University

West Lafayette, IN 47907

765-494-8410

Previous Activities Funded: Activities are educational in nature and not generally monetary offerings.

<http://www.ces.purdue.edu/eden/index.html>

Severe Repetitive Loss

This purpose of this FEMA program is to reduce or eliminate claims under the NFIP. This program applies to residential properties covered under an NFIP flood insurance policy and has at least 4 NFIP claim payments over \$5,000 each and a cumulative amount exceeds \$20,000 OR for which 2 separate claims payments have been made with the cumulative amount of the building portion exceeding the market value of the building.

Previous Activities Funded: Acquisition and demolition or relocation of at risk structures and conversion of the land to open space; elevation of existing structures to at least the Base Flood Elevation (BFE); minor physical localized flood reduction projects; and dry floodproofing for historic properties only.

<http://www.fema.gov/government/grant/srl/index.shtm>

Staffing for Adequate Fire and Emergency Response Grants

The purpose of the Staffing for Adequate Fire and Emergency Response (SAFER) grants is to award grants directly to volunteer, combination, and career fire departments to help the departments increase their cadre of firefighters. Ultimately, the goal is for SAFER grantees to enhance their ability to attain 24-hour staffing and thus assuring their communities have adequate protection from fire and fire-related hazards.

Previous Activities Funded: The SAFER grants have two activities that will help grantees attain this goal: 1) hiring of firefighters and 2) recruitment and retention of volunteer firefighters.

<http://www.firegrantsupport.com/safer/>

Volunteer Fire Assistance Program

The purpose of the Volunteer Fire Assistance (VFA) Program, formerly known as the Rural Community Fire Protection (RCFP) Program, is to provide Federal financial, technical, and other assistance to State foresters to train, and equip fire departments in rural areas and rural communities to prevent and suppress fires. A rural community is defined as having 10,000 or less population. This 10,000-population limit for participation in the VFA Program facilitates distribution of available VFA funding to the most needy fire departments. The funding must be matched on a 50-50% basis by non-federal dollars or in-kind.

Previous Activities Funded: Purchase of Self Contained Breathing Apparatus, Protective clothing, installation of dry hydrants, and training for volunteer fire fighters.

www.fs.fed.us/fire/planning/vfa

Weatherization Assistance Program

Indiana's Weatherization Assistance Program provides residential energy conservation services to the low income citizens of Indiana. Funding comes from federal sources and is allocated to Community Action Agencies (CAA) to provide services in each of Indiana's 92 counties. The CAAs use their own crews or private contractors to provide comprehensive energy conservation services.

Previous Activities Funded: A thorough evaluation of the structures, including the safe and efficient operation of the furnace and water heater, is included in the treatment of each home.

<http://www.in.gov/fssa/families/housing/wap.html>

Wetland Reserve Program

The Wetlands Reserve Program (WRP) is a voluntary program offering landowners the opportunity to protect, restore, and enhance wetlands on their property. The NRCS goal is to achieve the greatest wetland functions and values, along with optimum wildlife habitat, on every acre enrolled in the program. This program offers landowners an opportunity to establish long-term conservation and wildlife practices and protection.

Previous Activities Funded: The USDA Natural Resources Conservation Service (NRCS) provides technical and financial support to help landowners with their wetland restoration efforts.

<http://www.nrcs.usda.gov/programs/wrp/>

Wildlife Habitat Incentive Program

The Wildlife Habitat Incentives Program (WHIP) is a voluntary program for people who want to develop and improve wildlife habitat primarily on private land. Through WHIP USDA's Natural Resources Conservation Service provides both technical assistance and up to 75 percent cost-share assistance to establish and improve fish and wildlife habitat. WHIP agreements between NRCS and the participant generally last from 5 to 10 years from the date the agreement is signed.

Previous Activities Funded: Development of areas primarily targeted for wildlife habitat also serve as beneficial areas for flood mitigation activities such as wetland construction/restoration, native grass plantings, and filter area establishment.

<http://www.nrcs.usda.gov/programs/whip/>

APPENDIX 8

CRS CHECKLIST

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CRS 10-Step Planning Process	Max. Points	Est. Points	Comments
1. Organize and Prepare the Plan	15	13	
<i>Involvement of office responsible for community planning</i>	4	4	<i>Table 1-1 lists Planning Committee name, title, and department/ agency represented</i>
<i>Planning committee of department staff</i>	9	9	<i>Table 1-1 lists Planning Committee name, title, and department/ agency represented</i>
<i>Process formally created by the community's governing board</i>	2	0	
2. Involve the Public	120	60	
<i>Planning process conducted through a planning committee</i>	60	30	<i>Appendix 2 contains Planning Committee meeting agendas and summaries; Planning Committee reviewed draft MHMP, assisted with public review, and assisted with local adoption</i>
<i>Public meetings held at the beginning of the planning process</i>	15	0	
<i>Public meeting held on the draft plan</i>	15	15	<i>Full draft presented to the public; draft plan made available for public review on webpage, EMA office, Planning Office</i>
<i>Other public information activities to encourage input</i>	30	15	<i>Plan posted to website, press release; outreach flyer</i>
3. Coordinate with Other Agencies	35	25	
<i>Review of existing studies and plans (required)</i>	5	5	<i>Conducted a Community Capability Assessment to better understand existing mitigation programs, policies, and projects</i>
<i>Coordinating with communities and other agencies</i>	30	20	<i>Appendix 3 includes the invitation sent to the surrounding County EMA Directors; IDNR, FEMA and IDHS involved in planning process</i>
4. Assess the Hazard	35	35	
<i>Map of known flood hazards</i>	5	5	<i>Exhibit illustrates FIRM floodplains as well as the location of critical facilities.</i>
<i>Description of known flood hazards</i>	5	5	<i>Section 3 discusses areas with a known localized flooding issue as well as floodplains; Table shows potential losses of structures located within floodplains</i>
<i>Discussion of past floods</i>	5	5	<i>Section provides an overview of the most recent floods of note as identified by the Planning Committee, local media sources, and NCDC data; Table shows Repetitive Loss numbers; Table shows flood insurance claims</i>
<i>Plan includes assessment of less frequent floods</i>	10	10	<i>Section 3 discusses areas with a known localized flooding issue as well as floodplains; Table shows potential losses of structures located within floodplains</i>
<i>Plan includes assessment of areas likely to flood</i>	5	5	<i>Section 3 discusses areas with a known localized flooding issue as well as floodplains; Table shows potential losses of structures located within floodplains</i>
<i>Describes other natural hazards (required DMA)</i>	5	5	<i>Section includes information related to Drought, Earthquake; Extreme Temperature; Fire; Flood; Hailstorm, Thunderstorm, and Windstorm; Land Subsidence; Tornado; Wildfire; Winter Storm and Ice; Dam Failure; Hazardous Materials</i>
5. Assess the Problem	52	34	
<i>Summary of hazard and impact on community (required)</i>	2	2	<i>Section 3.0 includes a Vulnerability Assessment for each hazard (Drought, Earthquake; Extreme Temperature; Fire; Flood; Hailstorm, Thunderstorm, and Windstorm; Land Subsidence; Tornado; Wildfire; Winter Storm and Ice; Dam Failure; Hazardous Materials) that specifies (where possible) the number of critical facilities that would be impacted</i>
<i>Impact on life, safety, health, procedures for warning and evacuation</i>	5	5	<i>Section 3.0 includes a Vulnerability Assessment for each hazard (Drought, Earthquake; Extreme Temperature; Fire; Flood; Hailstorm, Thunderstorm, and Windstorm; Land Subsidence; Tornado; Wildfire; Winter Storm and Ice; Dam Failure; Hazardous Materials) that specifies (where possible) the number of critical facilities that would be impacted</i>
<i>Impact on public health including health hazards to floodwater/ mold</i>	5		
<i>Impact on critical facilities and infrastructure</i>	5	5	<i>Section 3.0 includes a Vulnerability Assessment for each hazard (Drought, Earthquake; Extreme Temperature; Fire; Flood; Hailstorm, Thunderstorm, and Windstorm; Land Subsidence; Tornado; Wildfire; Winter Storm and Ice; Dam Failure; Hazardous Materials) that specifies (where possible) the number of critical facilities that would be impacted</i>

510 FLOODPLAIN MANAGEMENT PLANNING
 CRS Checklist - from Activity Worksheet 510-1 and 2017 CRS Coordinator's Manual

CRS 10-Step Planning Process	Max. Points	Est. Points	Comments
<i>Impact on community's economy and tax base</i>	5	0	
<i>Number and types of buildings subject to the hazards</i>	5	5	<i>Section 3.0 includes a Vulnerability Assessment for each hazard (Drought, Earthquake; Extreme Temperature; Fire; Flood; Hailstorm, Thunderstorm, and Windstorm; Land Subsidence; Tornado; Wildfire; Winter Storm and Ice; Dam Failure; Hazardous Materials) that specifies (where possible) the number of critical facilities that would be impacted</i>
<i>Review of all flood insurance claims</i>	5	5	<i>Table list flood insurance claims</i>
<i>Natural and beneficial function of natural areas</i>	5	5	<i>Section 3 discusses the natural and beneficial function of floodplains for flood storage</i>
<i>Development, redevelopment, and population trends</i>	7	7	<i>Section 2 discusses population and demographics</i>
6. Set Goals (required)	2	2	<i>Section 4.1 list goal for MHMP - to reduce social, physical, and economic losses from hazards</i>
7. Review Possible Activities	35	35	
<i>Preventive activities</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Preventive</i>
<i>Floodplain management regulatory/current and future conditions</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Property Protection</i>
<i>Property protection activities</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Property Protection</i>
<i>Natural resource protection activities</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Natural Resource Protection</i>
<i>Emergency services activities</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Emergency Services</i>
<i>Structural projects</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Structural Projects</i>
<i>Public information activities</i>	5	5	<i>Section 4.2.1 discusses existing Mitigation Practices; Table 4-1 lists proposed Mitigation Practices for Public Information</i>
8. Draft Action Plan	60	60	
<i>Recommendations for activities 2 of 6 categories from #7 (prioritized)</i>	10	0	
<i>Recommendations for activities 3 of 6 categories from #7 (prioritized)</i>	20	0	
<i>Recommendations for activities 4 of 6 categories from #7 (prioritized)</i>	30	0	
<i>Recommendations for activities 5 of 6 categories from #7s (prioritized)</i>	45	45	<i>Table 4-1 lists and prioritizes proposed Mitigation Practices for all 6 possible activities (Prevention, Property Protection, Natural Resource Protection, Emergency Services, Structural Projects, and Public Information); Section 5.0 includes an Implementation Plan for High Priority Mitigation Practices</i>
<i>Post-disaster mitigation policies and procedures</i>	10	10	<i>Section 6.1 recommends the EMA Director reassemble the Planning Committee following a significant hazard incident to review the effectiveness of existing Mitigation Practices and make recommendations for improvement</i>
<i>Action items for mitigation other hazards</i>	5	5	<i>Table 4-1 includes Mitigation Practices for Drought, Earthquake; Extreme Temperature; Fire; Flood; Hailstorm, Thunderstorm, and Windstorm; Land Subsidence; Tornado; Wildfire; Winter Storm and Ice; Dam Failure; Hazardous Materials; Section 5.0 includes an Implementation Plan for High Priority Mitigation Practices</i>
9. Adopt the Plan	2	2	
10. Implement, Evaluate and Revise	26	26	
<i>Procedures to monitor and recommend revisions (required)</i>	2	2	<i>Section 6.1 includes a process to monitor, evaluate, and update the MHMP; effort to be led by EMA Director</i>
<i>Plan evaluated by same (or equally qualified) planning committee</i>	24	24	<i>Section 6.1 acknowledges that the successful implementation of the Mitigation Practices identified in this MHMP will require cooperation and participation of entire Planning Committee.</i>
TOTAL	382	292	