

DRAFT

**APPENDIX 3-3 SPECIAL FLOOD HAZARD AREA MAPS**



# Appendix 3-3 Rock Island County Hazard Mitigation Plan Andalusia, IL - Flood Hazard Areas



Note: This is not the official source for flood hazard information.

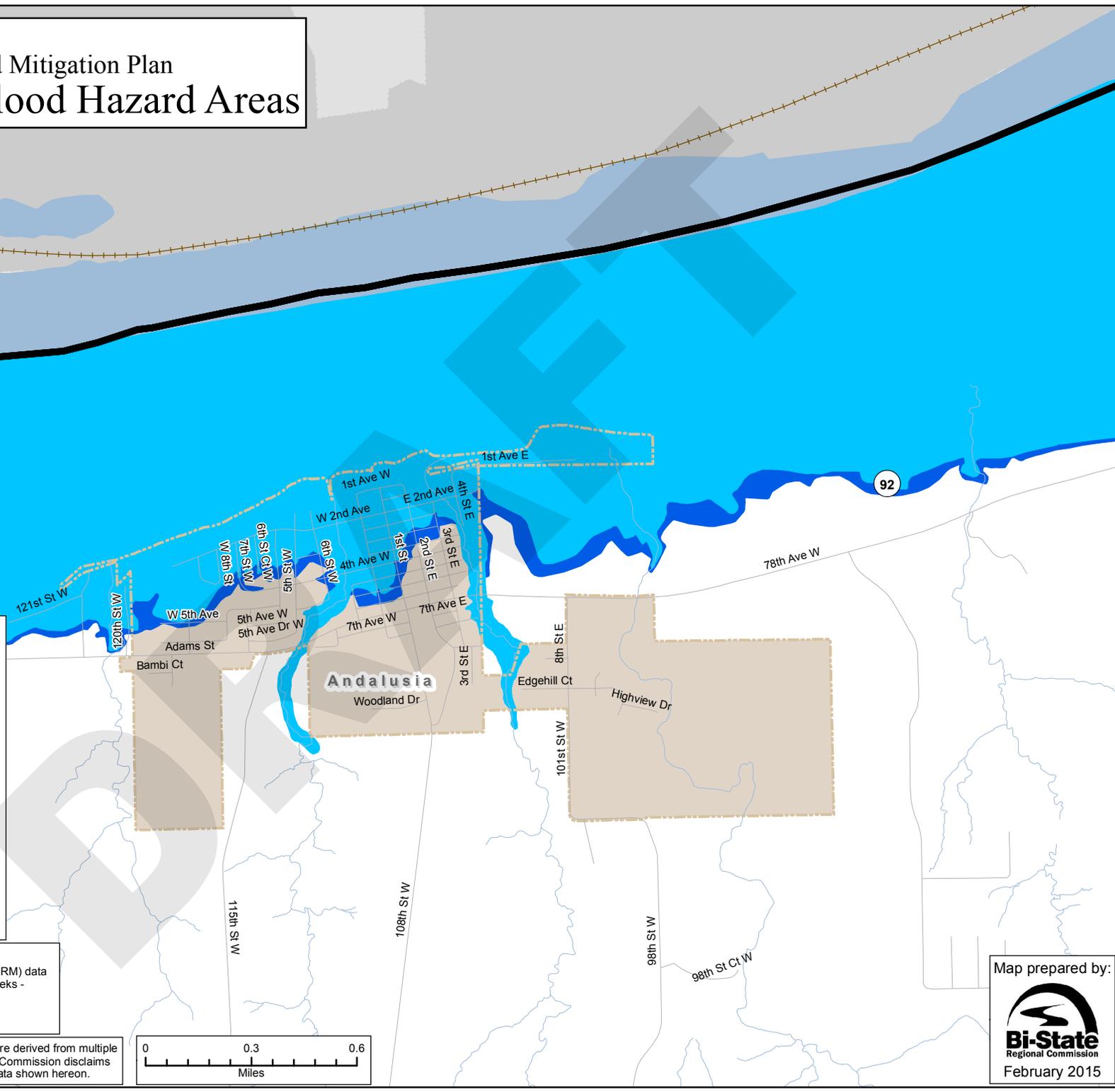
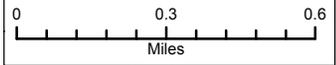
**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Rock Island
- Participating Municipality
- Rock Island County
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Railroad

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks - Rock Island County GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

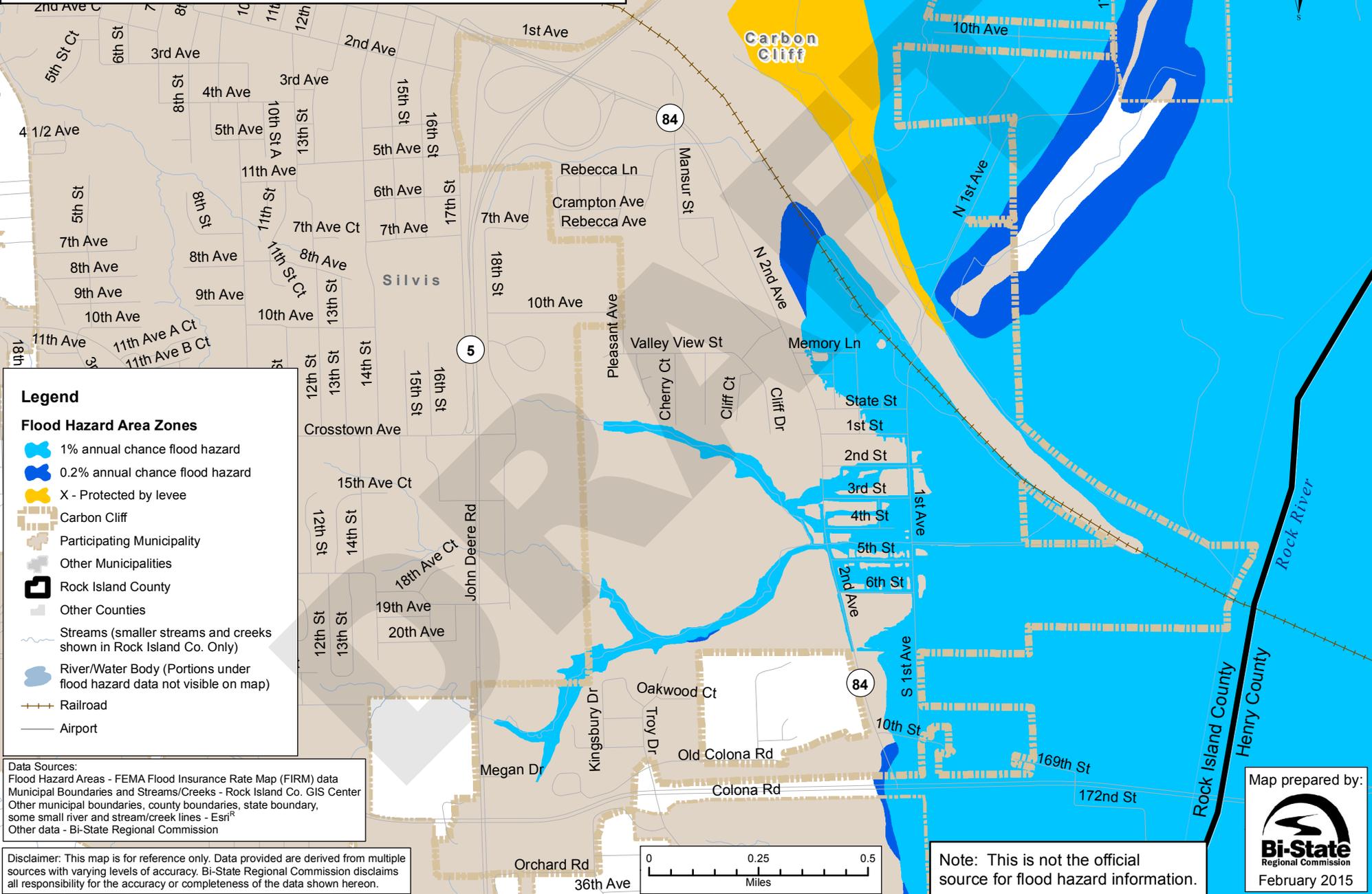
Disclaimer: This map is for reference only. Data provided are derived from multiple sources with varying levels of accuracy. Bi-State Regional Commission disclaims all responsibility for the accuracy or completeness of the data shown hereon.



Map prepared by:

Bi-State  
Regional Commission  
February 2015

# Appendix 3-3 Rock Island County Hazard Mitigation Plan Carbon Cliff, IL - Flood Hazard Areas Map 1 of 2

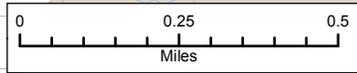


### Legend

- Flood Hazard Area Zones**
- 1% annual chance flood hazard
  - 0.2% annual chance flood hazard
  - X - Protected by levee
  - Carbon Cliff
  - Participating Municipality
  - Other Municipalities
  - Rock Island County
  - Other Counties
  - ~ Streams (smaller streams and creeks shown in Rock Island Co. Only)
  - River/Water Body (Portions under flood hazard data not visible on map)
  - Railroad
  - Airport

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries and Streams/Creeks - Rock Island Co. GIS Center  
 Other municipal boundaries, county boundaries, state boundary,  
 some small river and stream/creek lines - Esri<sup>®</sup>  
 Other data - Bi-State Regional Commission

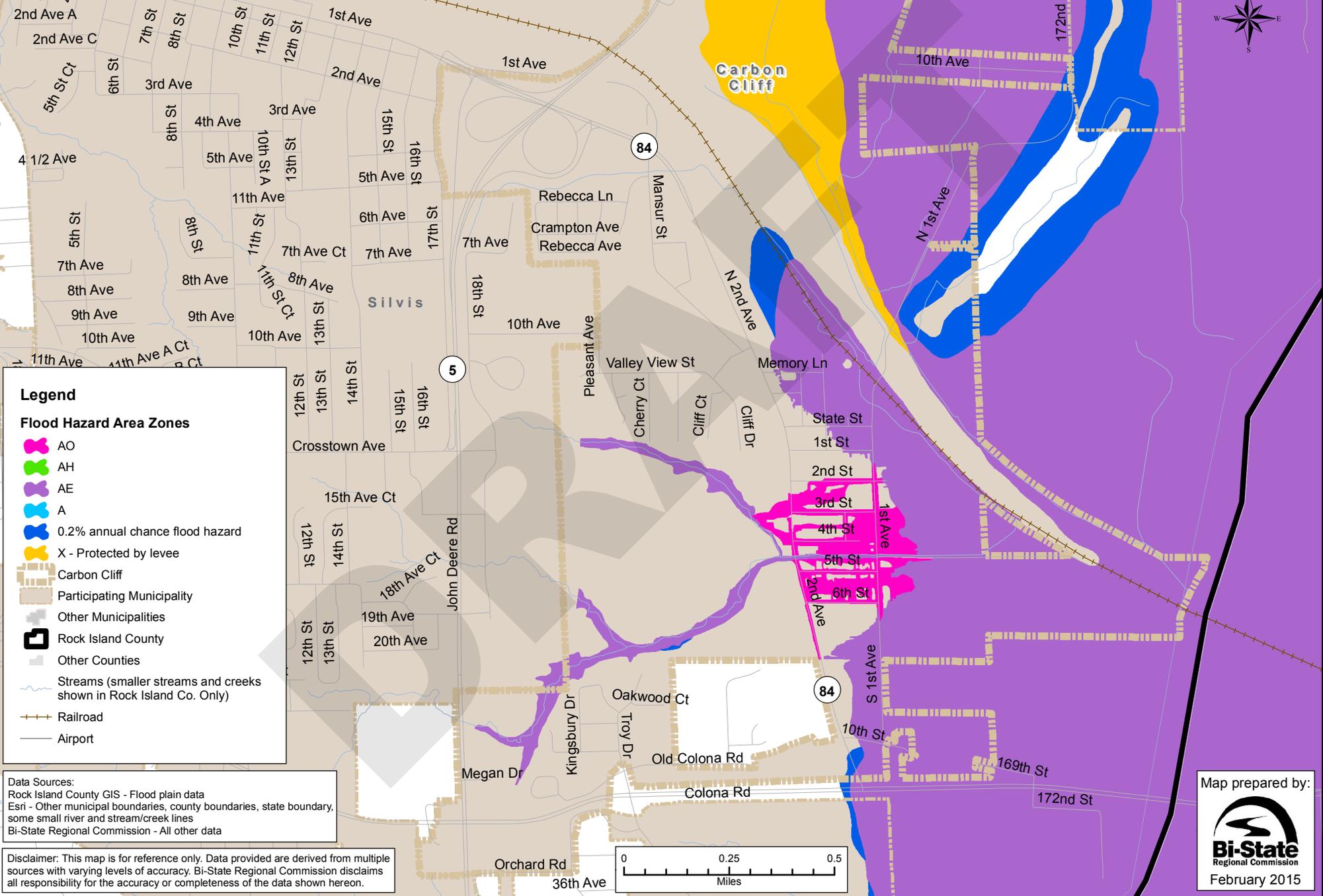
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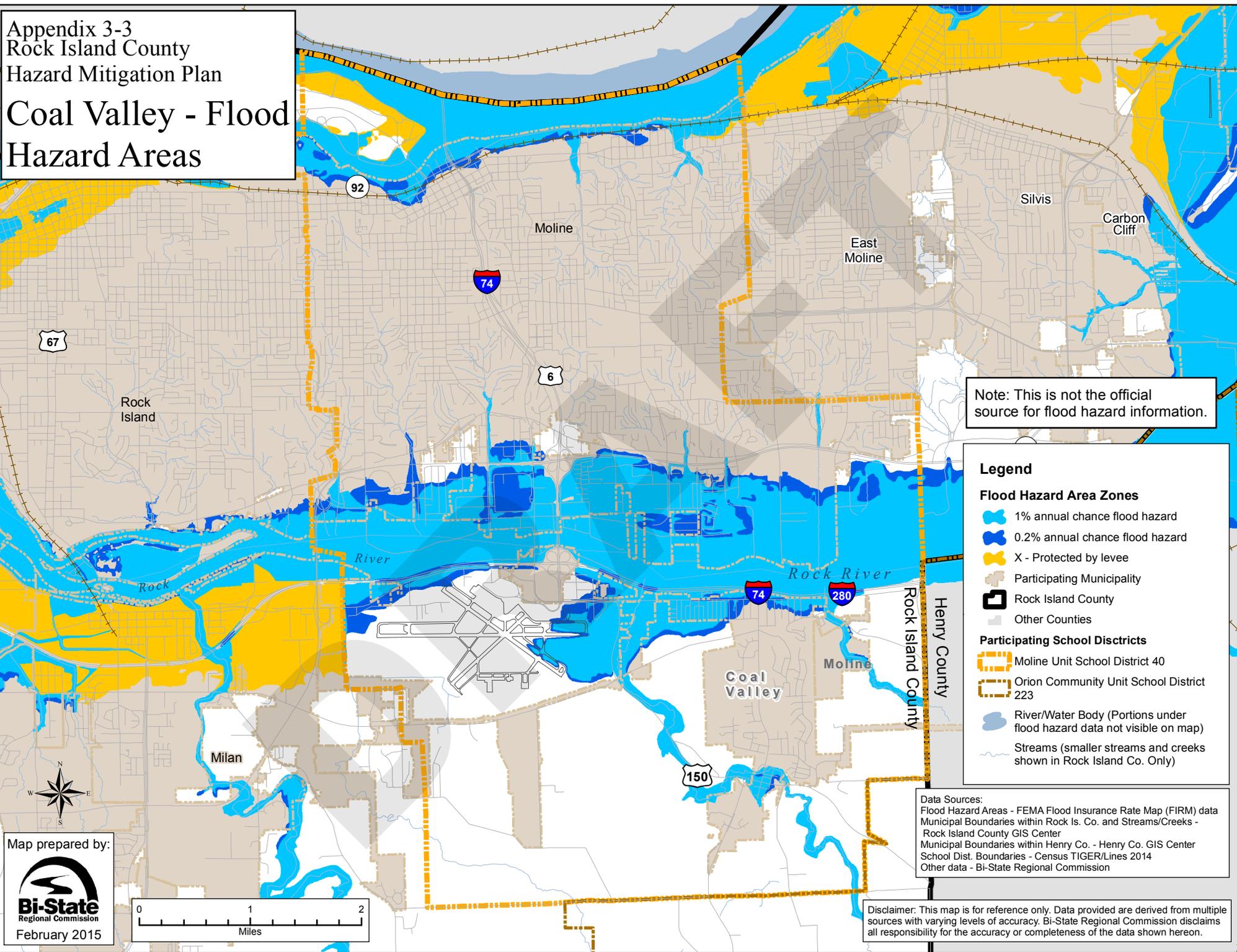
Note: This is not the official source for flood hazard information.

Map prepared by:  
  
 February 2015

# Appendix 3-3 Rock Island County Hazard Mitigation Plan Carbon Cliff, IL - Flood Hazard Areas Map 2 of 2



Appendix 3-3  
 Rock Island County  
 Hazard Mitigation Plan  
**Coal Valley - Flood  
 Hazard Areas**



Note: This is not the official source for flood hazard information.

**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Participating Municipality
- Rock Island County
- Other Counties

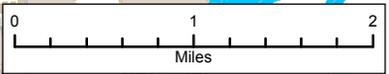
**Participating School Districts**

- Moline Unit School District 40
- Orion Community Unit School District 223
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)

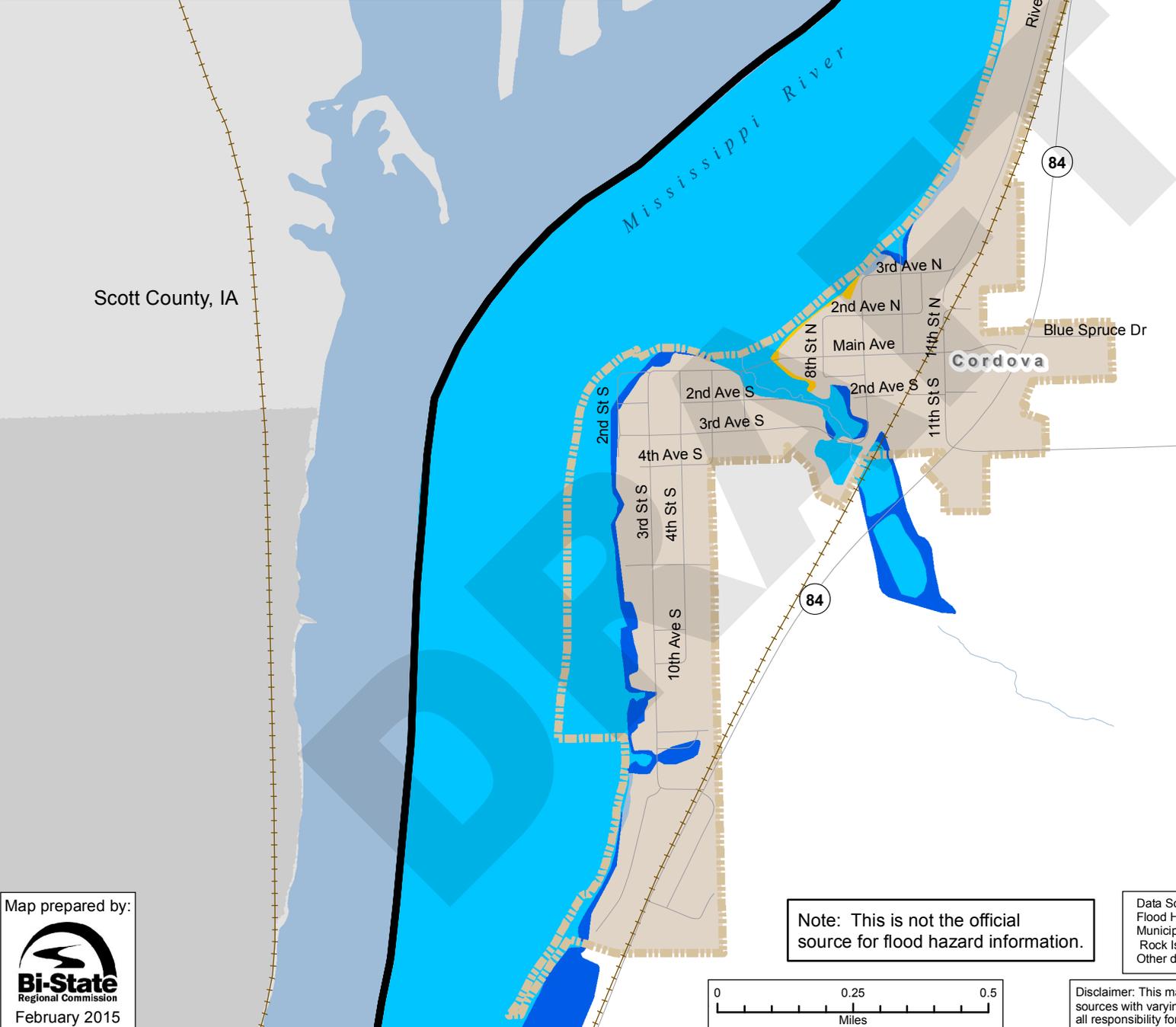
Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks - Rock Island County GIS Center  
 Municipal Boundaries within Henry Co. - Henry Co. GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

Disclaimer: This map is for reference only. Data provided are derived from multiple sources with varying levels of accuracy. Bi-State Regional Commission disclaims all responsibility for the accuracy or completeness of the data shown hereon.

Map prepared by:  
  
 February 2015



Appendix 3-3  
 Rock Island County Hazard Mitigation Plan  
 Cordova, IL - Flood Hazard Areas



Scott County, IA

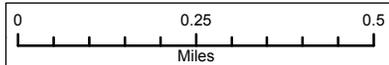
**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Cordova
- Participating Municipality
- Rock Island County
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Railroad

Note: This is not the official source for flood hazard information.

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks - Rock Island County GIS Center  
 Other data - Bi-State Regional Commission

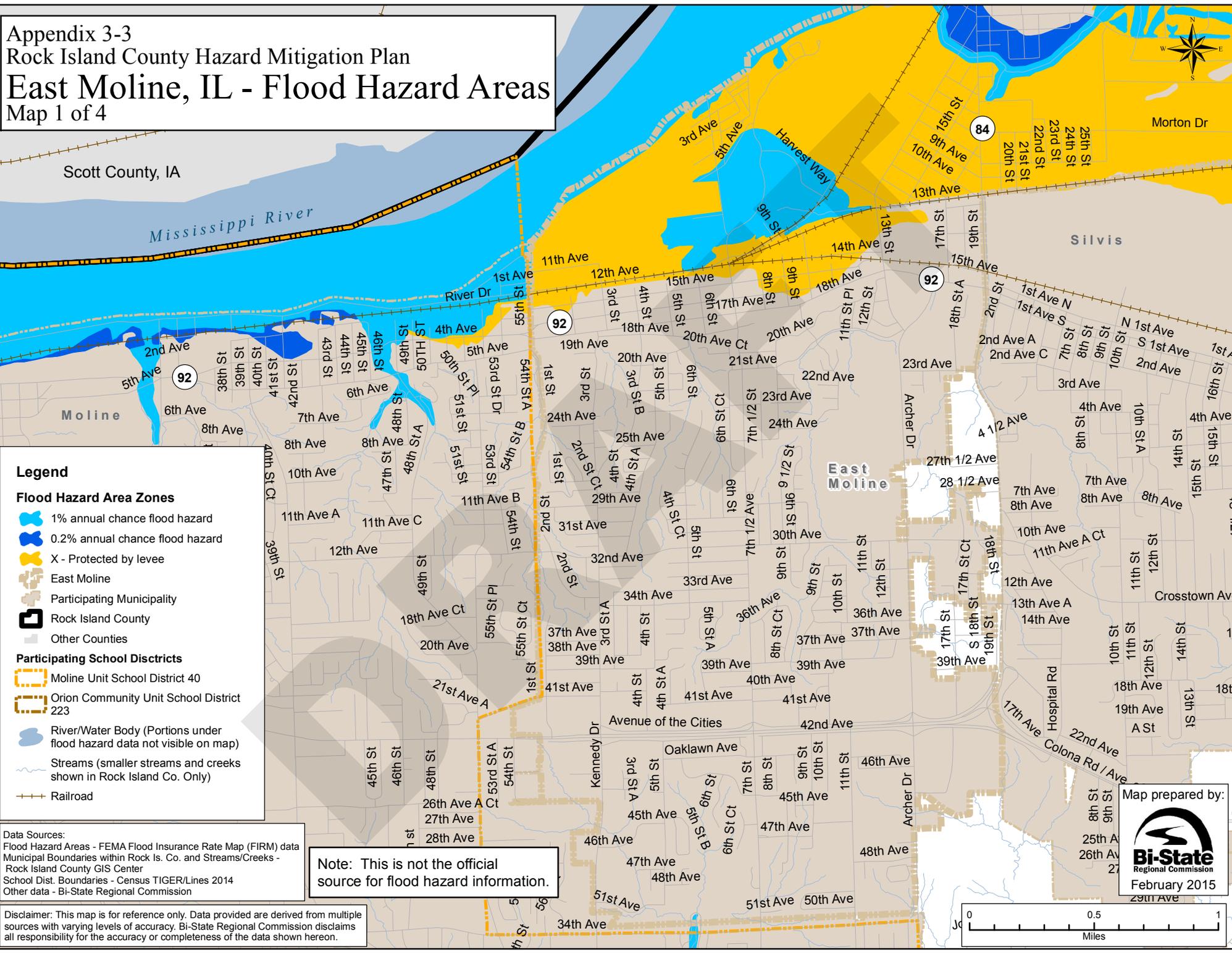


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Map prepared by:

February 2015

# Appendix 3-3 Rock Island County Hazard Mitigation Plan East Moline, IL - Flood Hazard Areas Map 1 of 4



**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- East Moline
- Participating Municipality
- Rock Island County
- Other Counties

**Participating School Districts**

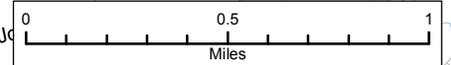
- Moline Unit School District 40
- Orion Community Unit School District 223
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Railroad

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks -  
 Rock Island County GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

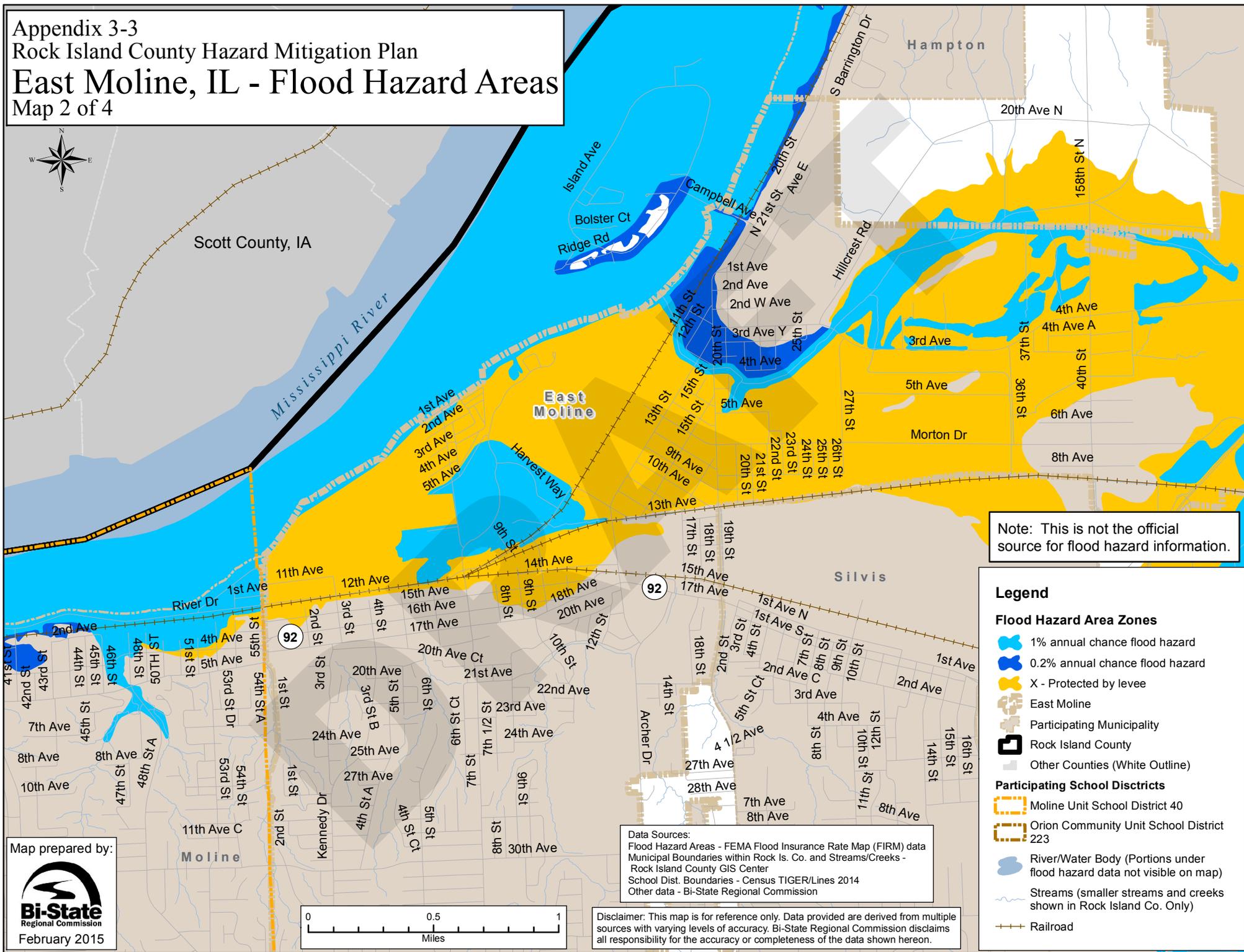
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Map prepared by:  
  
 February 2015



Appendix 3-3  
 Rock Island County Hazard Mitigation Plan  
**East Moline, IL - Flood Hazard Areas**  
 Map 2 of 4



Note: This is not the official source for flood hazard information.

**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee

**Participating School Districts**

- Moline Unit School District 40
- Orion Community Unit School District 223

**Other Symbols**

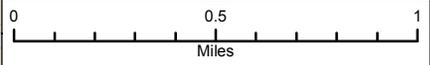
- East Moline
- Participating Municipality
- Rock Island County
- Other Counties (White Outline)
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Railroad

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks -  
 Rock Island County GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

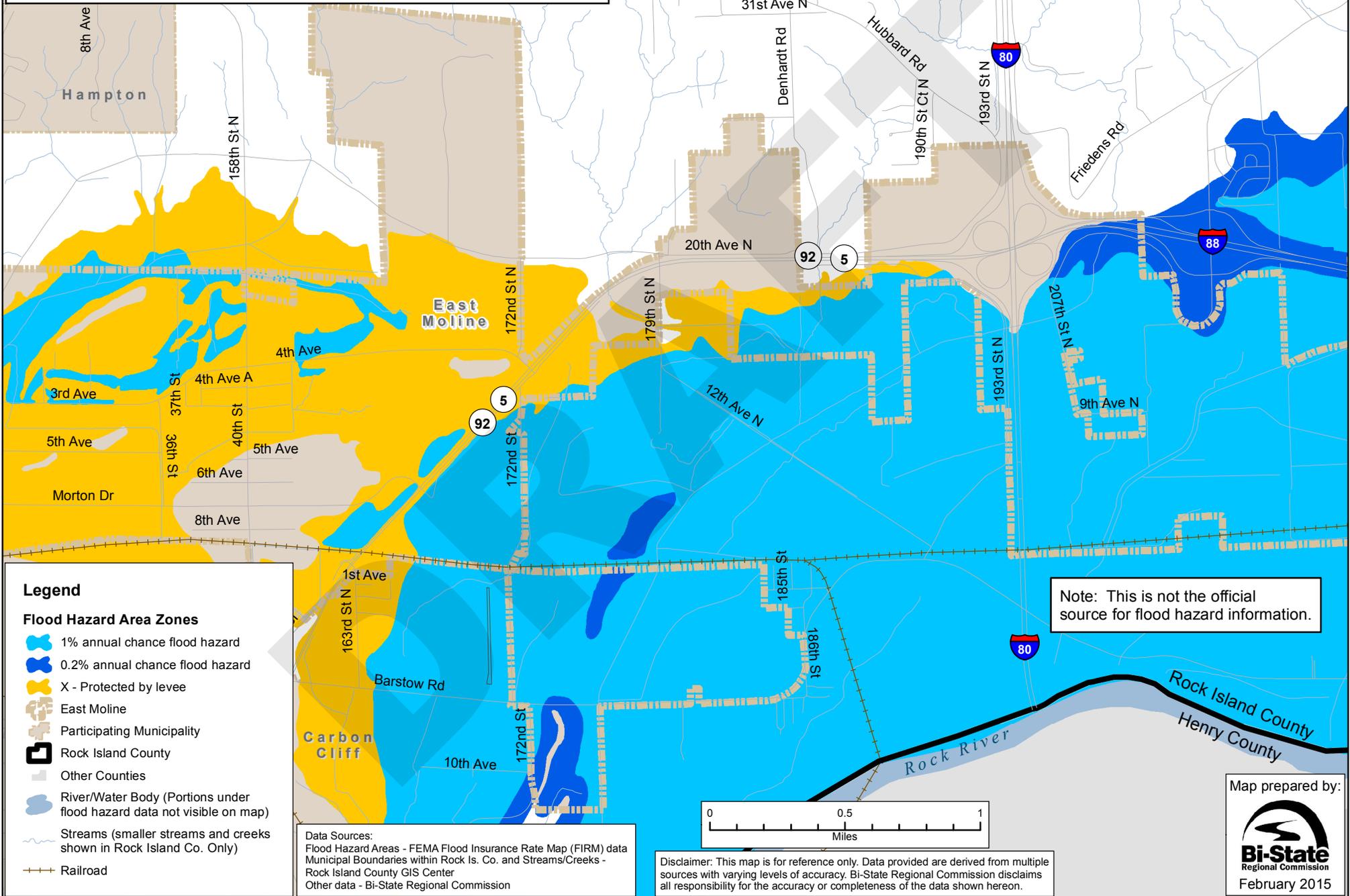
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Map prepared by:

February 2015



Appendix 3-3  
 Rock Island County Hazard Mitigation Plan  
**East Moline, IL - Flood Hazard Areas**  
 Map 3 of 4

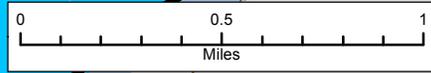


**Legend**

**Flood Hazard Area Zones**

-  1% annual chance flood hazard
-  0.2% annual chance flood hazard
-  X - Protected by levee
-  East Moline
-  Participating Municipality
-  Rock Island County
-  Other Counties
-  River/Water Body (Portions under flood hazard data not visible on map)
-  Streams (smaller streams and creeks shown in Rock Island Co. Only)
-  Railroad

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks -  
 Rock Island County GIS Center  
 Other data - Bi-State Regional Commission



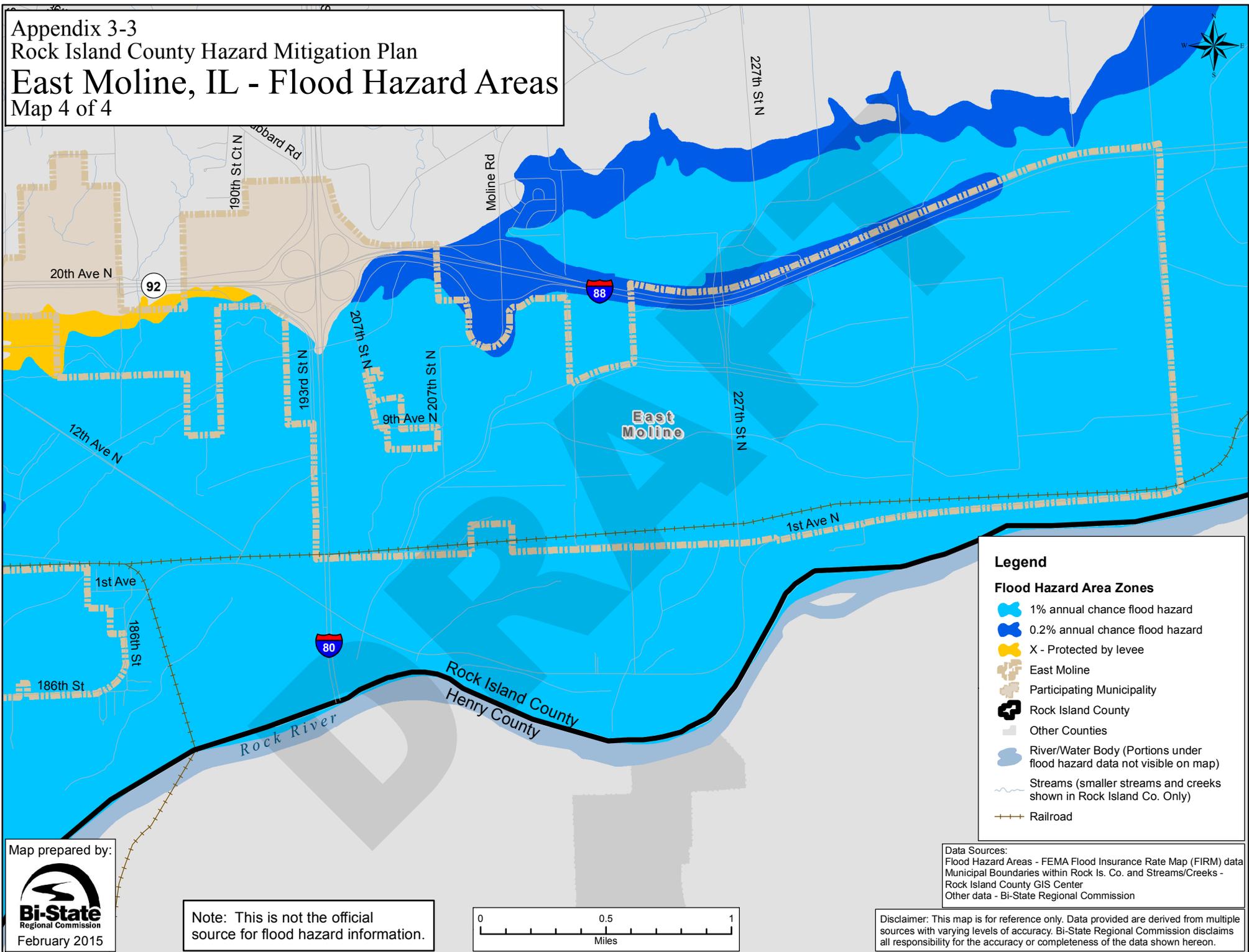
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Note: This is not the official source for flood hazard information.

Map prepared by:



Appendix 3-3  
 Rock Island County Hazard Mitigation Plan  
**East Moline, IL - Flood Hazard Areas**  
 Map 4 of 4



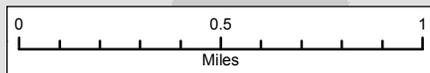
**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- East Moline
- Participating Municipality
- Rock Island County
- Other Counties
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Railroad

Map prepared by:  
  
 February 2015

Note: This is not the official source for flood hazard information.



Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks - Rock Island County GIS Center  
 Other data - Bi-State Regional Commission

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# Appendix 3-3 Rock Island County Hazard Mitigation Plan Hampton, IL - Flood Hazard Areas



Scott County, IA

Mississippi River

84

Note: This is not the official source for flood hazard information.

**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Hampton
- Participating Municipality
- Other Municipalities
- Rock Island County
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Railroad

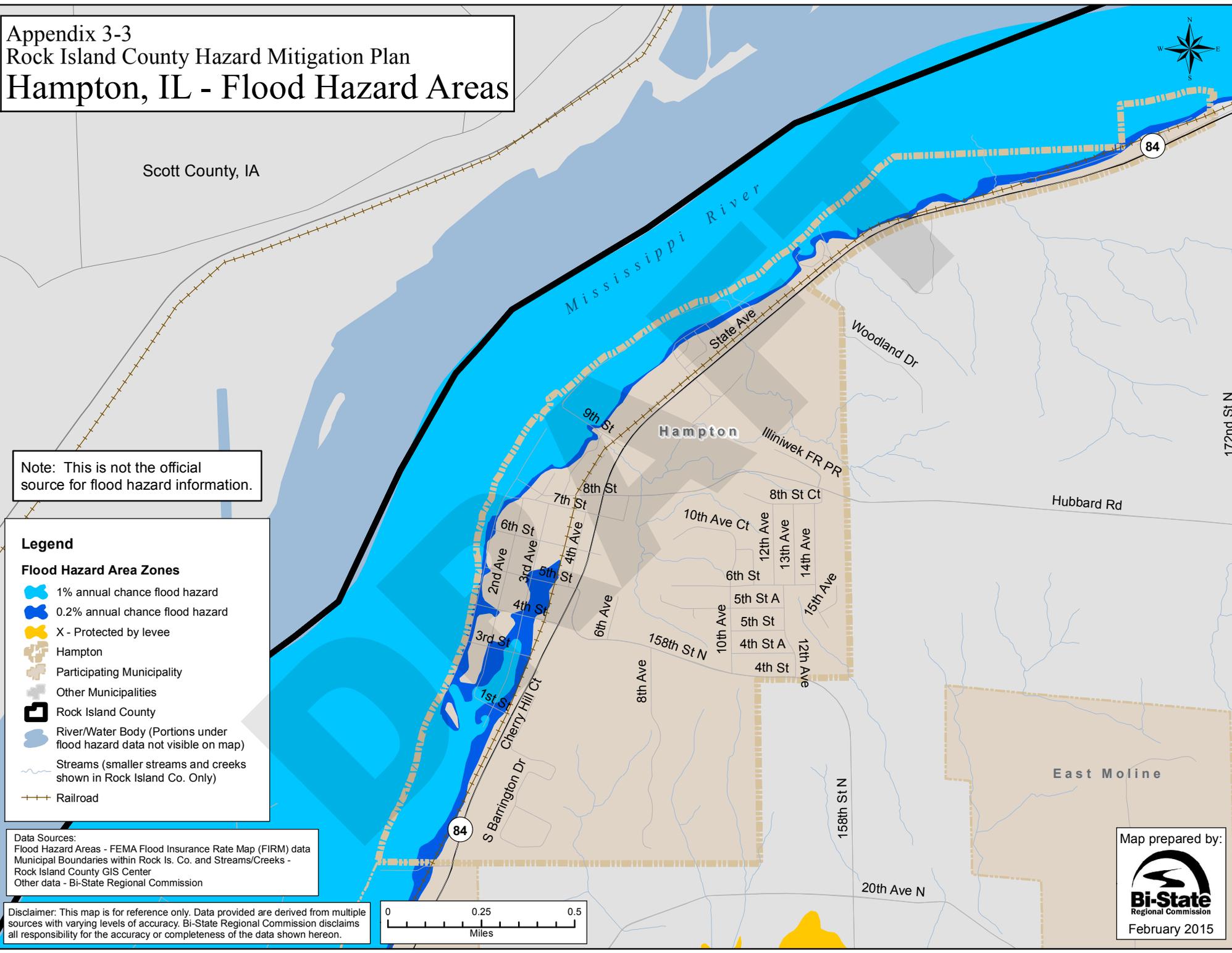
Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks -  
 Rock Island County GIS Center  
 Other data - Bi-State Regional Commission

Disclaimer: This map is for reference only. Data provided are derived from multiple sources with varying levels of accuracy. Bi-State Regional Commission disclaims all responsibility for the accuracy or completeness of the data shown hereon.

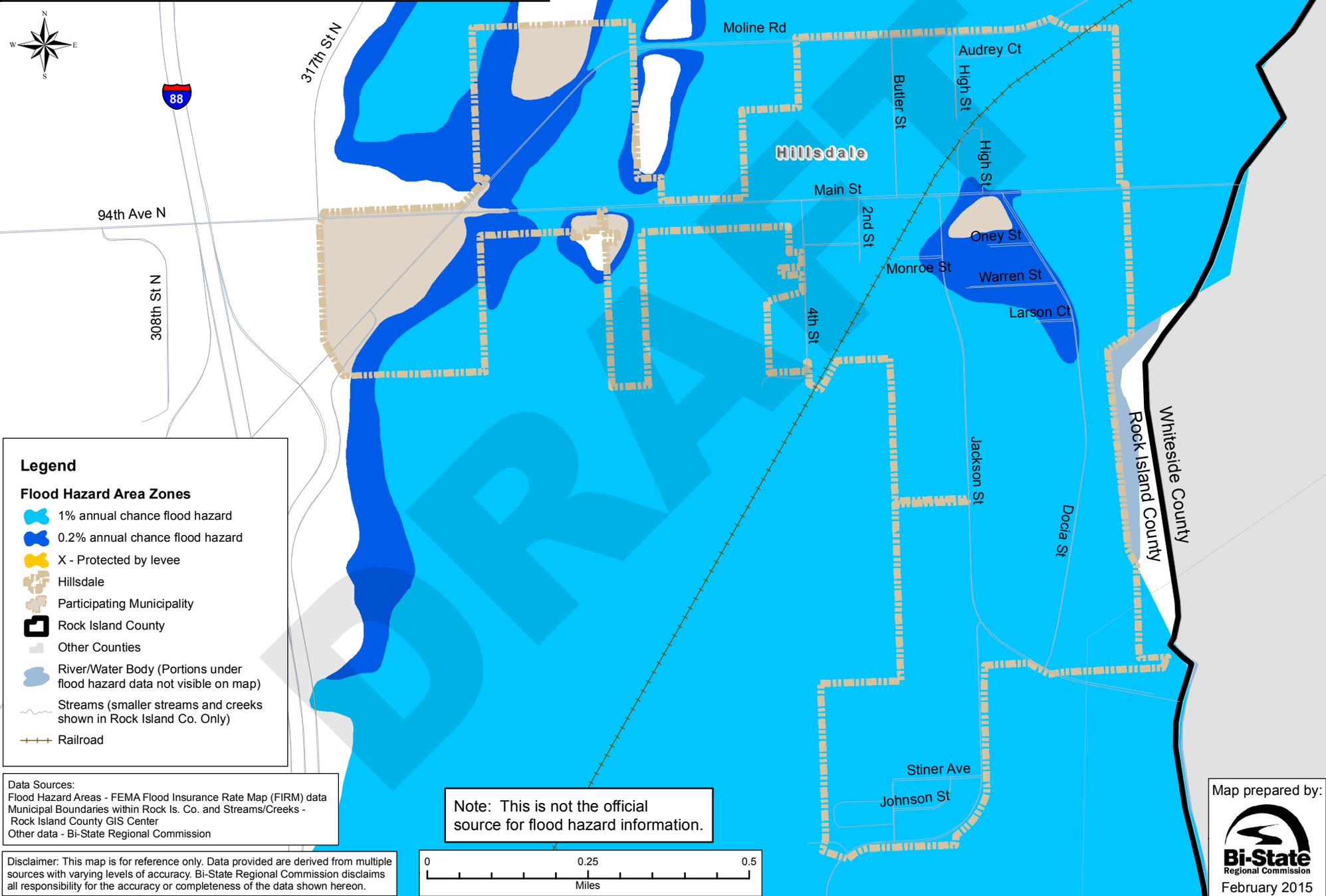


Map prepared by:

February 2015



# Appendix 3-3 Rock Island County Hazard Mitigation Plan Hillsdale, IL - Flood Hazard Areas



**Legend**

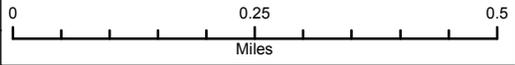
**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Hillsdale
- Participating Municipality
- Rock Island County
- Other Counties
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Railroad

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks -  
 Rock Island County GIS Center  
 Other data - Bi-State Regional Commission

Note: This is not the official source for flood hazard information.

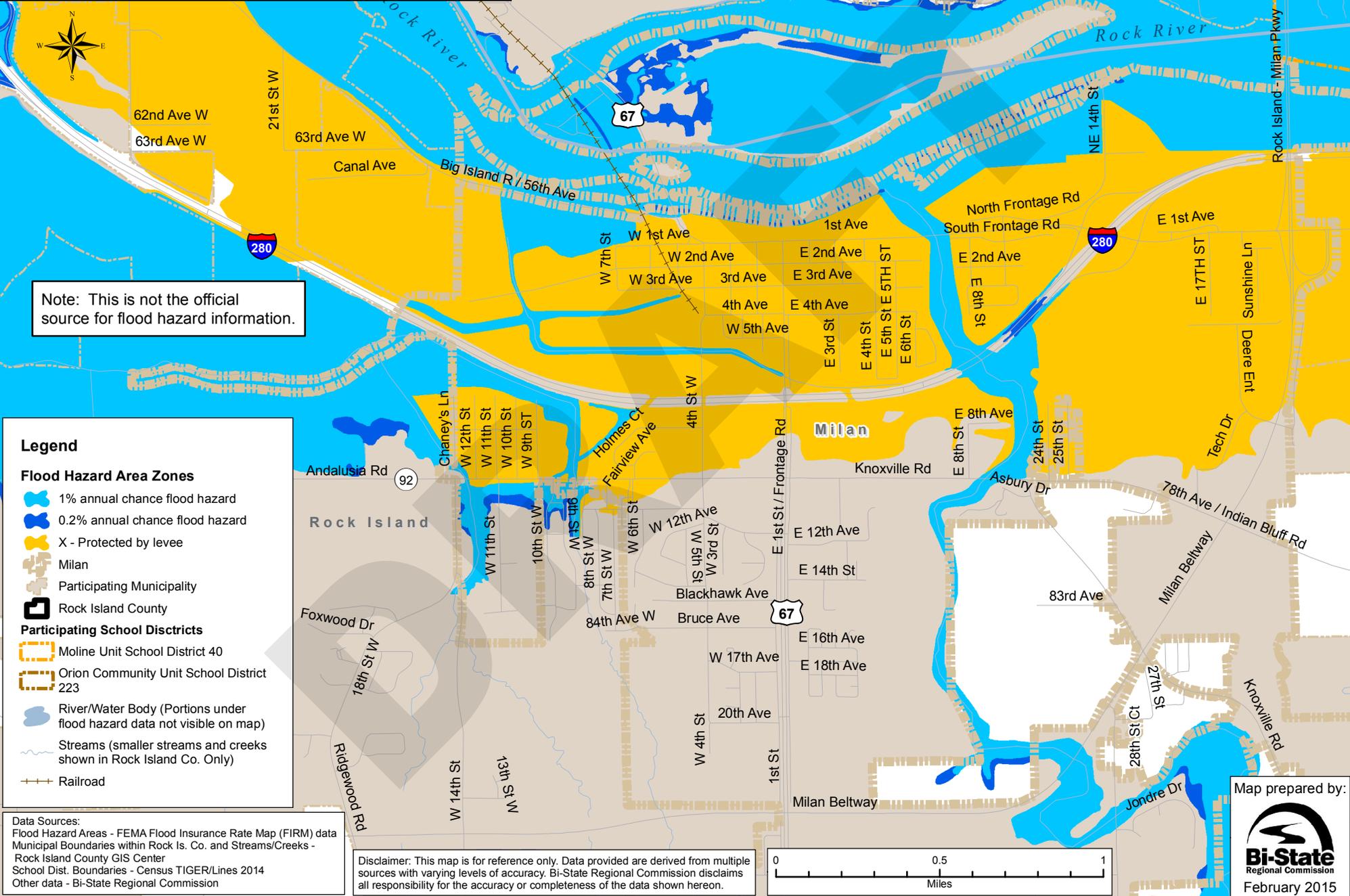
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Map prepared by:



Appendix 3-3  
 Rock Island County Hazard Mitigation Plan  
**Milan, IL - Flood Hazard Areas**  
 Map 1 of 2



Note: This is not the official source for flood hazard information.

**Legend**

**Flood Hazard Area Zones**

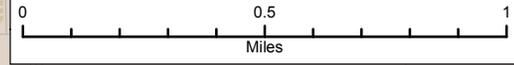
- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Milan
- Participating Municipality
- Rock Island County

**Participating School Districts**

- Moline Unit School District 40
- Orion Community Unit School District 223
- River/Water Body (Portions under flood hazard data not visible on map)
- ~ Streams (smaller streams and creeks shown in Rock Island Co. Only)
- + Railroad

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks - Rock Island County GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

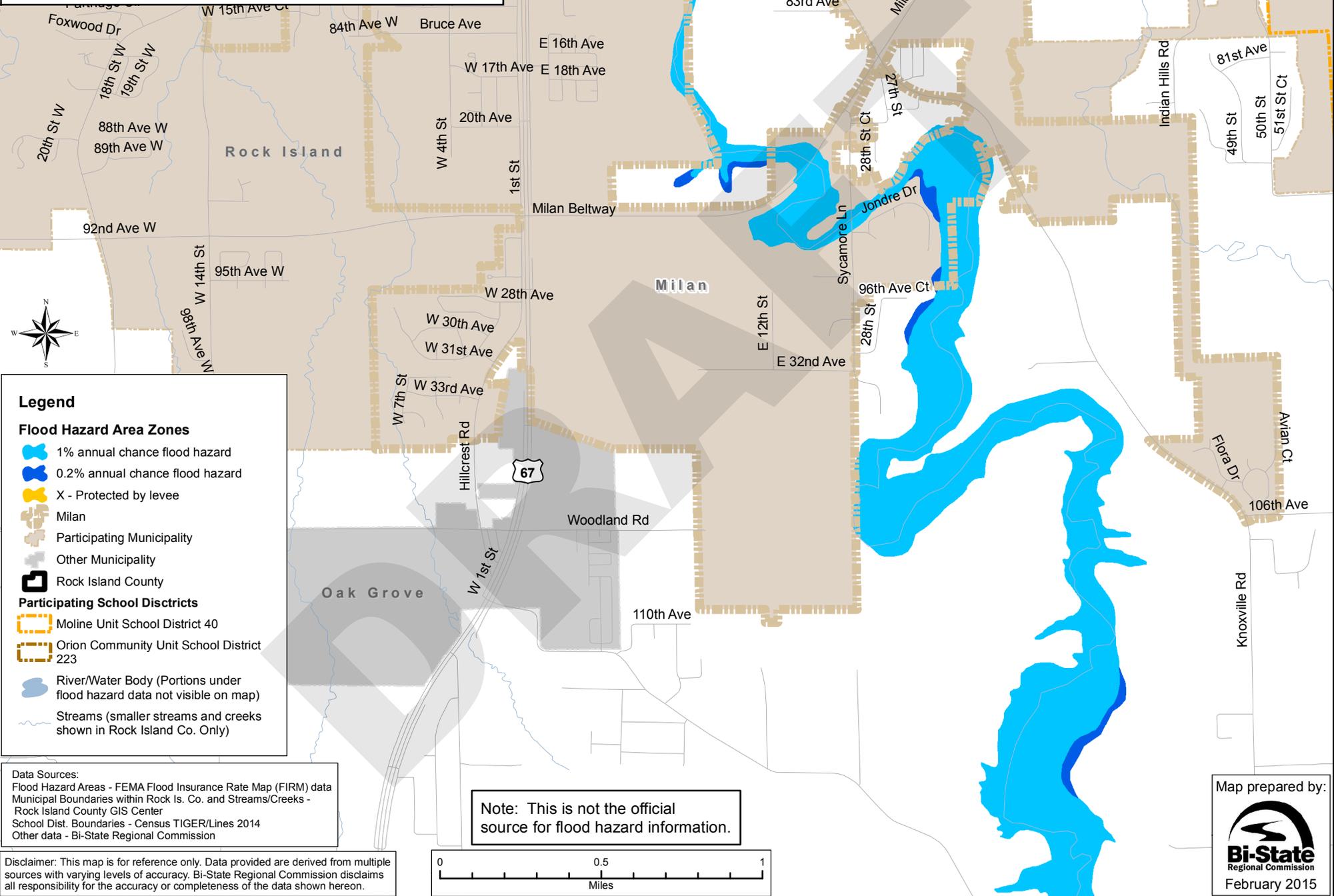
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Map prepared by:

**Bi-State**  
 Regional Commission  
 February 2015

# Appendix 3-3 Rock Island County Hazard Mitigation Plan Milan, IL - Flood Hazard Areas Map 2 of 2



### Legend

#### Flood Hazard Area Zones

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Milan
- Participating Municipality
- Other Municipality
- Rock Island County

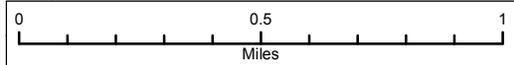
#### Participating School Districts

- Moline Unit School District 40
- Orion Community Unit School District 223
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks -  
 Rock Island County GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

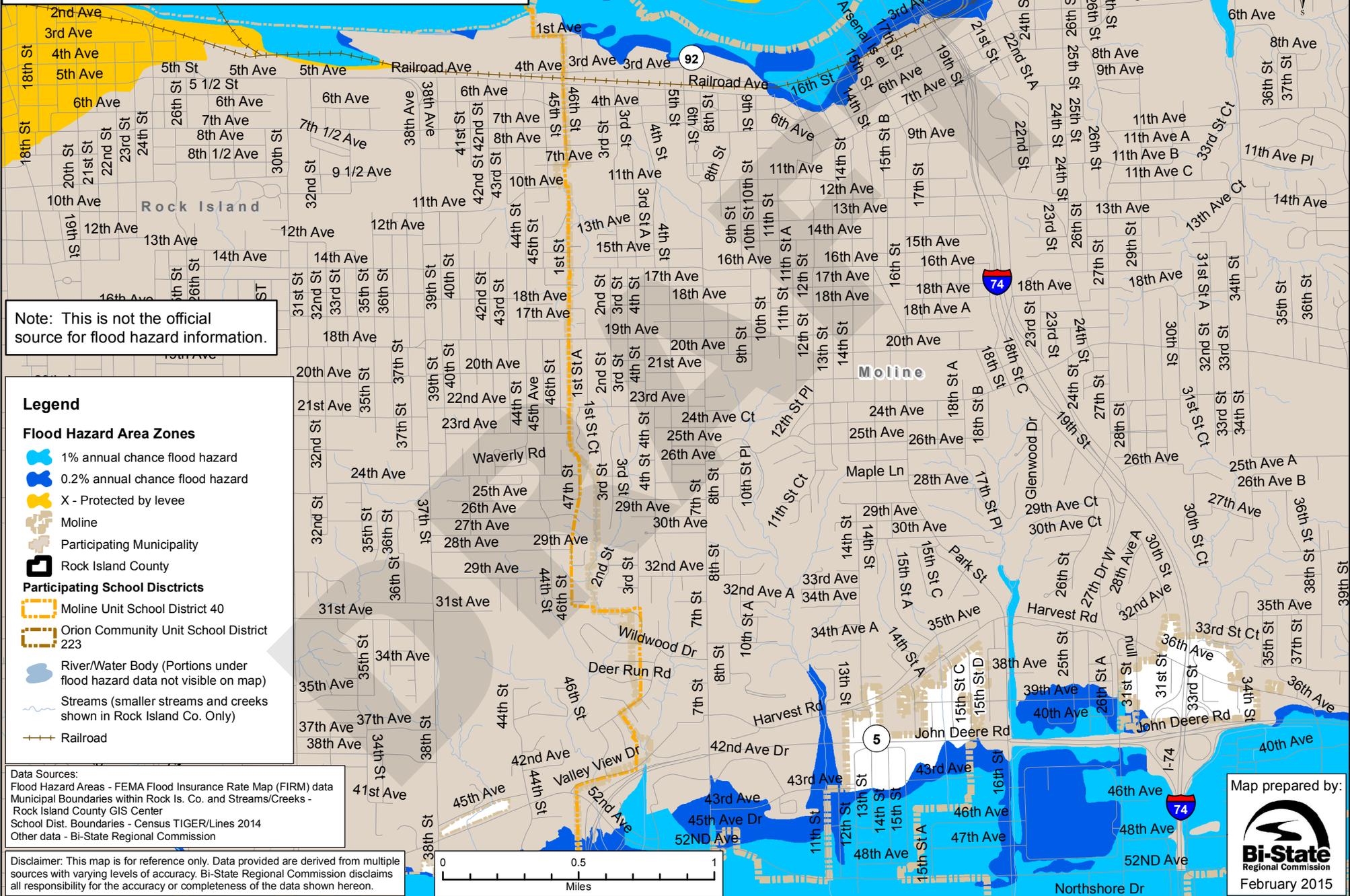
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Map prepared by:  
  
 February 2015

# Appendix 3-3 Rock Island County Hazard Mitigation Plan Moline, IL - Flood Hazard Areas Map 1 of 4



Note: This is not the official source for flood hazard information.

**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee

**Participating Municipality**

- Moline
- Rock Island County

**Participating School Districts**

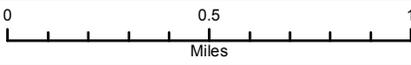
- Moline Unit School District 40
- Orion Community Unit School District 223

**Other Features**

- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Railroad

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks - Rock Island County GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

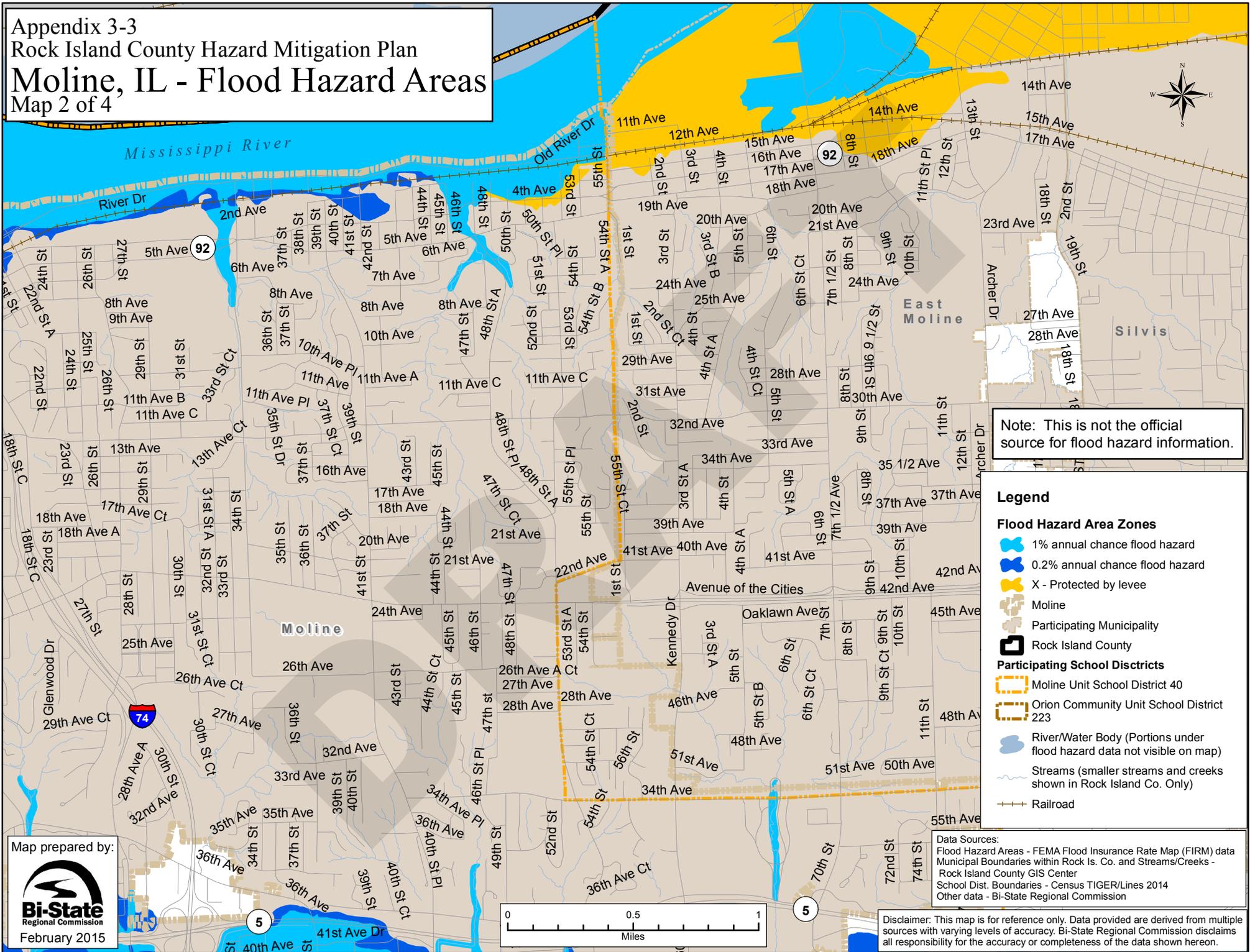
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Map prepared by:

February 2015

Appendix 3-3  
 Rock Island County Hazard Mitigation Plan  
**Moline, IL - Flood Hazard Areas**  
 Map 2 of 4



Note: This is not the official source for flood hazard information.

**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee

Moline

Participating Municipality

Rock Island County

**Participating School Districts**

- Moline Unit School District 40
- Orion Community Unit School District 223

River/Water Body (Portions under flood hazard data not visible on map)

Streams (smaller streams and creeks shown in Rock Island Co. Only)

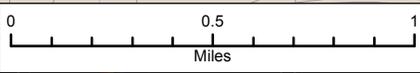
Railroad

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks - Rock Island County GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

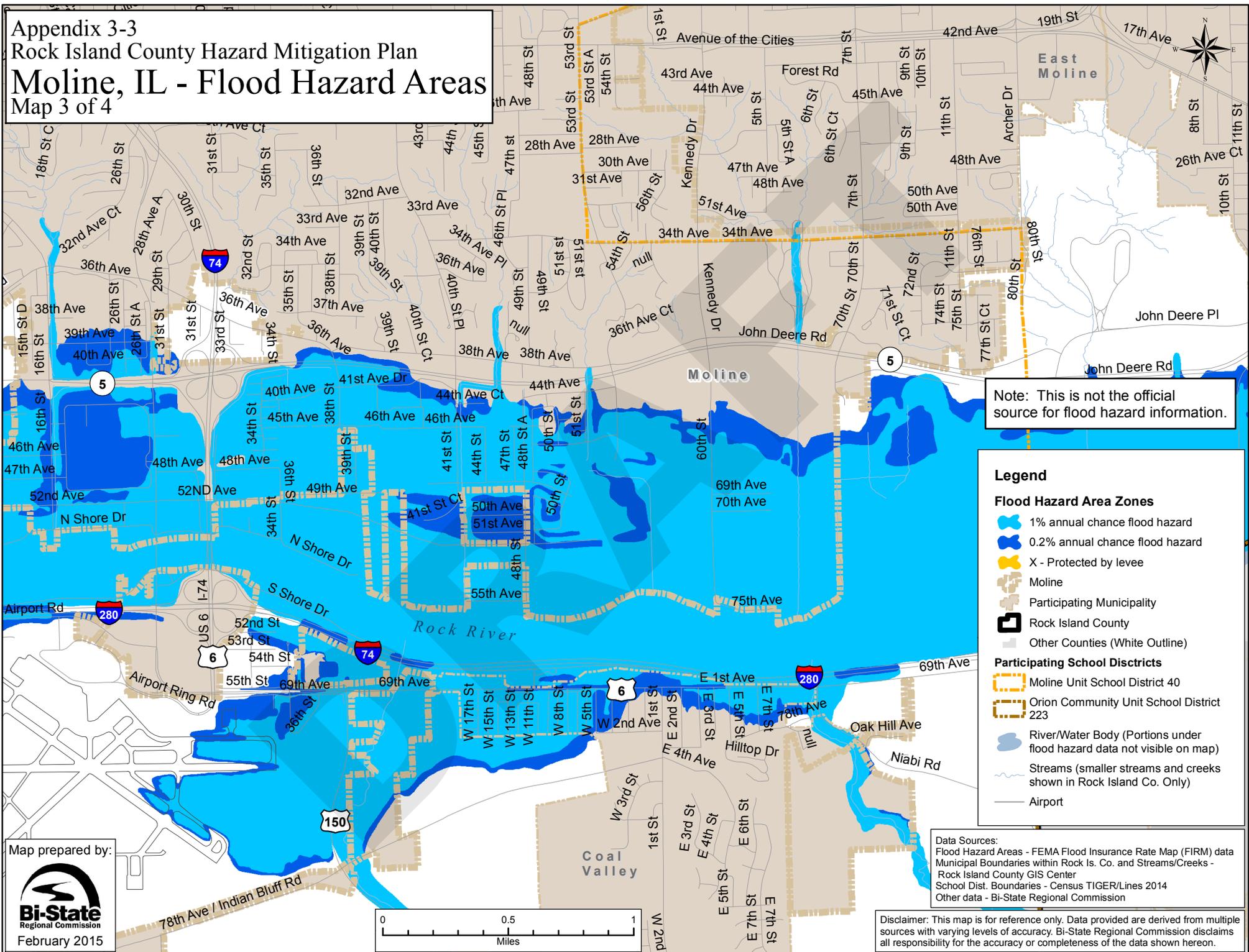
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Map prepared by:

February 2015



Appendix 3-3  
 Rock Island County Hazard Mitigation Plan  
**Moline, IL - Flood Hazard Areas**  
 Map 3 of 4



Note: This is not the official source for flood hazard information.

**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Moline
- Participating Municipality
- Rock Island County
- Other Counties (White Outline)

**Participating School Districts**

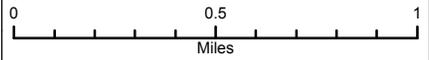
- Moline Unit School District 40
- Orion Community Unit School District 223
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Airport

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks - Rock Island County GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

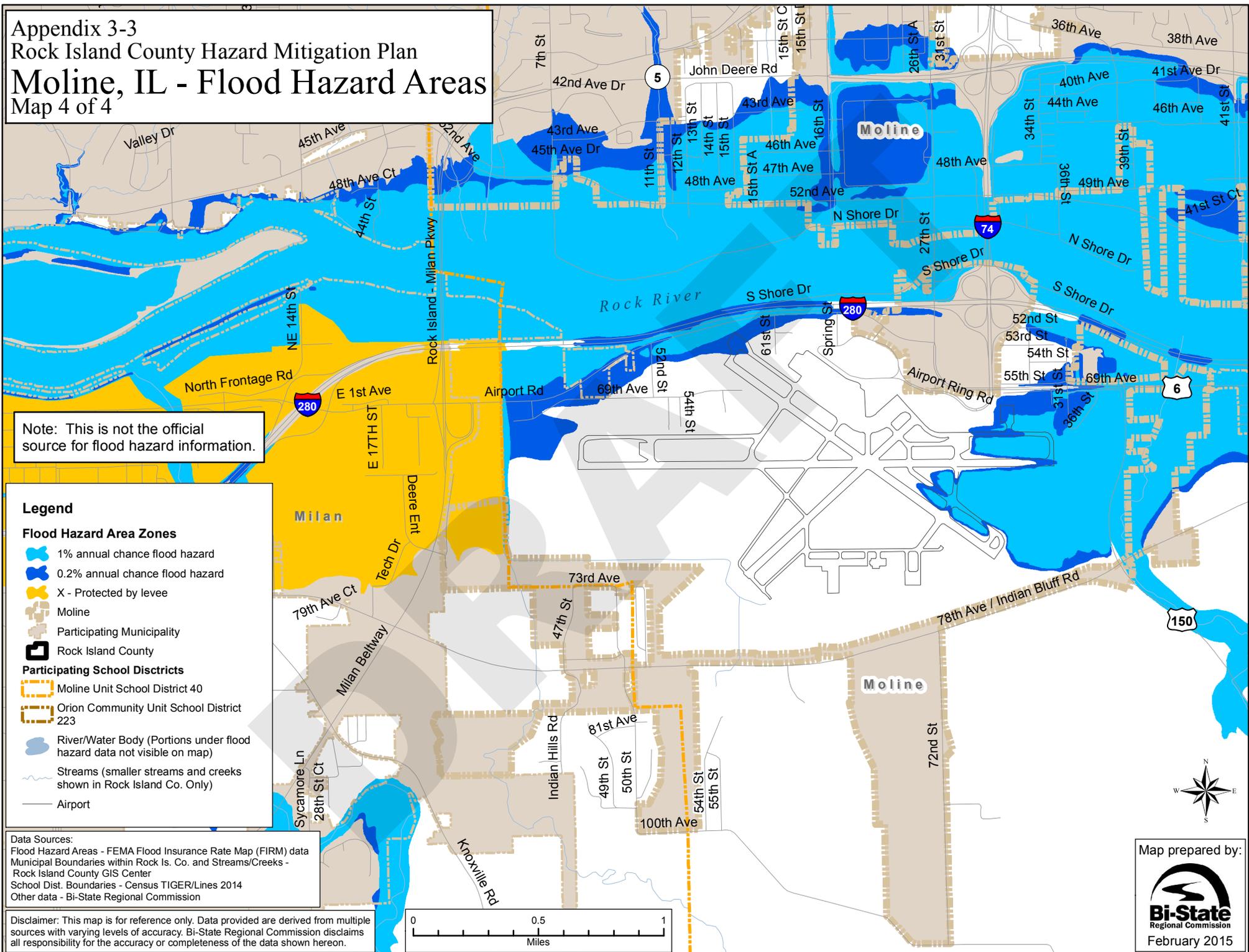
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Map prepared by:

February 2015



Appendix 3-3  
 Rock Island County Hazard Mitigation Plan  
**Moline, IL - Flood Hazard Areas**  
 Map 4 of 4



Note: This is not the official source for flood hazard information.

**Legend**

**Flood Hazard Area Zones**

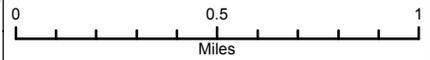
- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Moline
- Participating Municipality
- Rock Island County

**Participating School Districts**

- Moline Unit School District 40
- Orion Community Unit School District 223
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Airport

Data Sources:  
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 Municipal Boundaries within Rock Is. Co. and Streams/Creeks -  
 Rock Island County GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

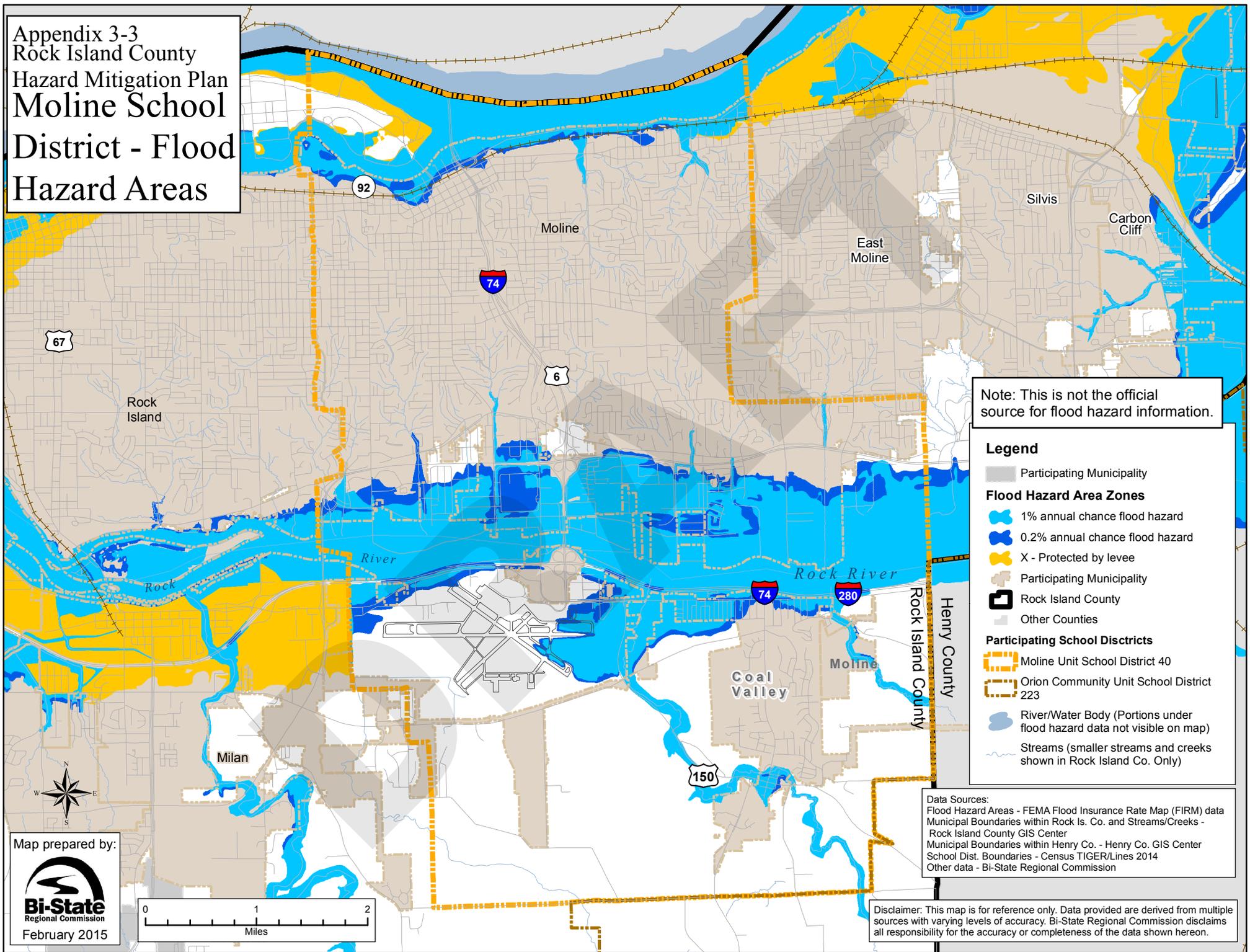
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Map prepared by:

February 2015

Appendix 3-3  
 Rock Island County  
 Hazard Mitigation Plan  
 Moline School  
 District - Flood  
 Hazard Areas



Note: This is not the official source for flood hazard information.

**Legend**

- Participating Municipality
- Flood Hazard Area Zones**
- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Participating Municipality
- Rock Island County
- Other Counties
- Participating School Districts**
- Moline Unit School District 40
- Orion Community Unit School District 223
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks - Rock Island County GIS Center  
 Municipal Boundaries within Henry Co. - Henry Co. GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

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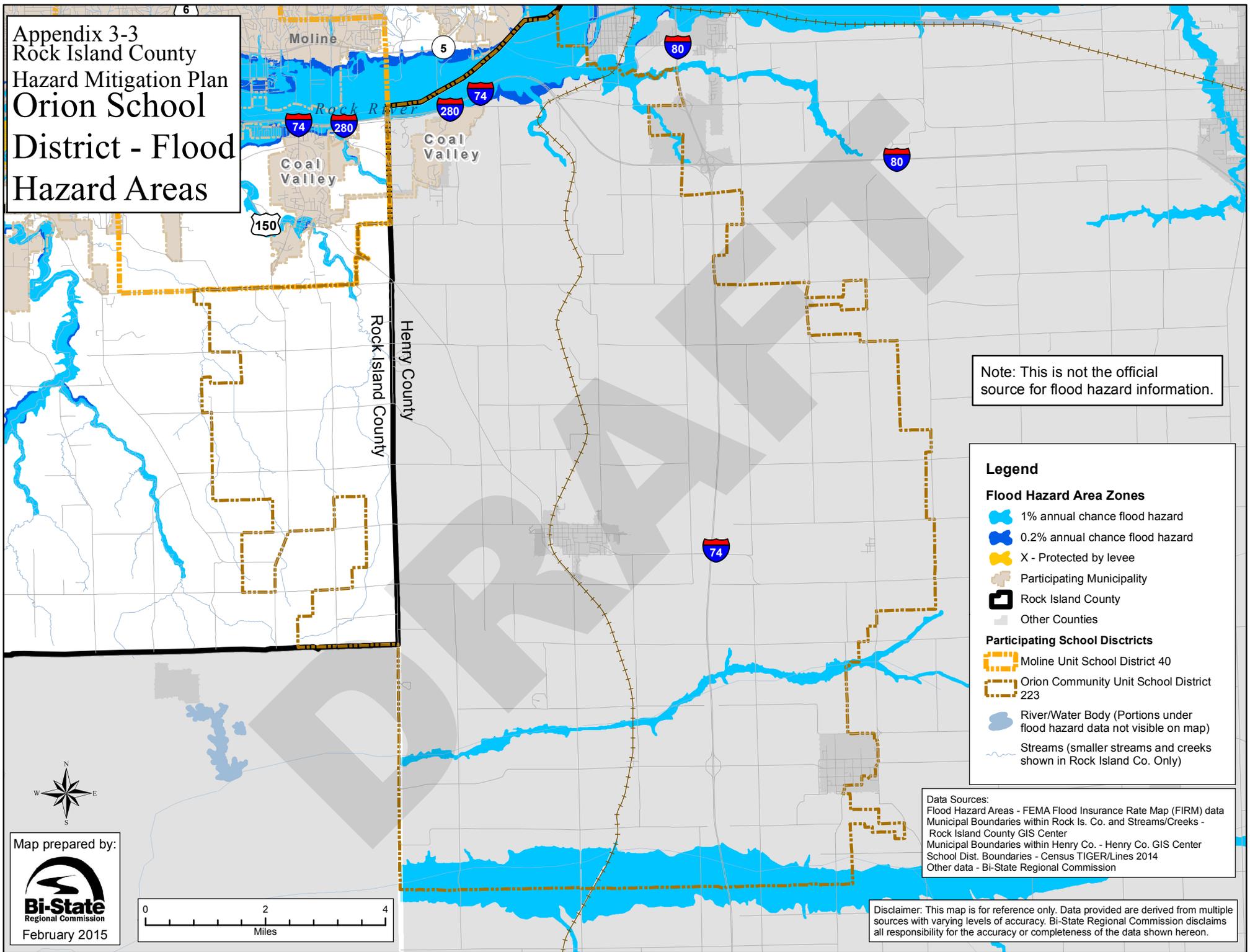
Map prepared by:



February 2015



Appendix 3-3  
 Rock Island County  
 Hazard Mitigation Plan  
 Orion School  
 District - Flood  
 Hazard Areas



Note: This is not the official source for flood hazard information.

**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Participating Municipality
- Rock Island County
- Other Counties

**Participating School Districts**

- Moline Unit School District 40
- Orion Community Unit School District 223
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)

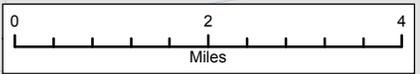
Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks - Rock Island County GIS Center  
 Municipal Boundaries within Henry Co. - Henry Co. GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

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Map prepared by:

February 2015



# Appendix 3-3 Rock Island County Hazard Mitigation Plan Port Byron, IL - Flood Hazard Areas

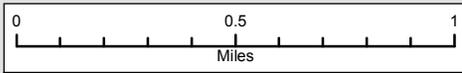


Note: This is not the official source for flood hazard information.

**Legend**

**Flood Hazard Area Zones**

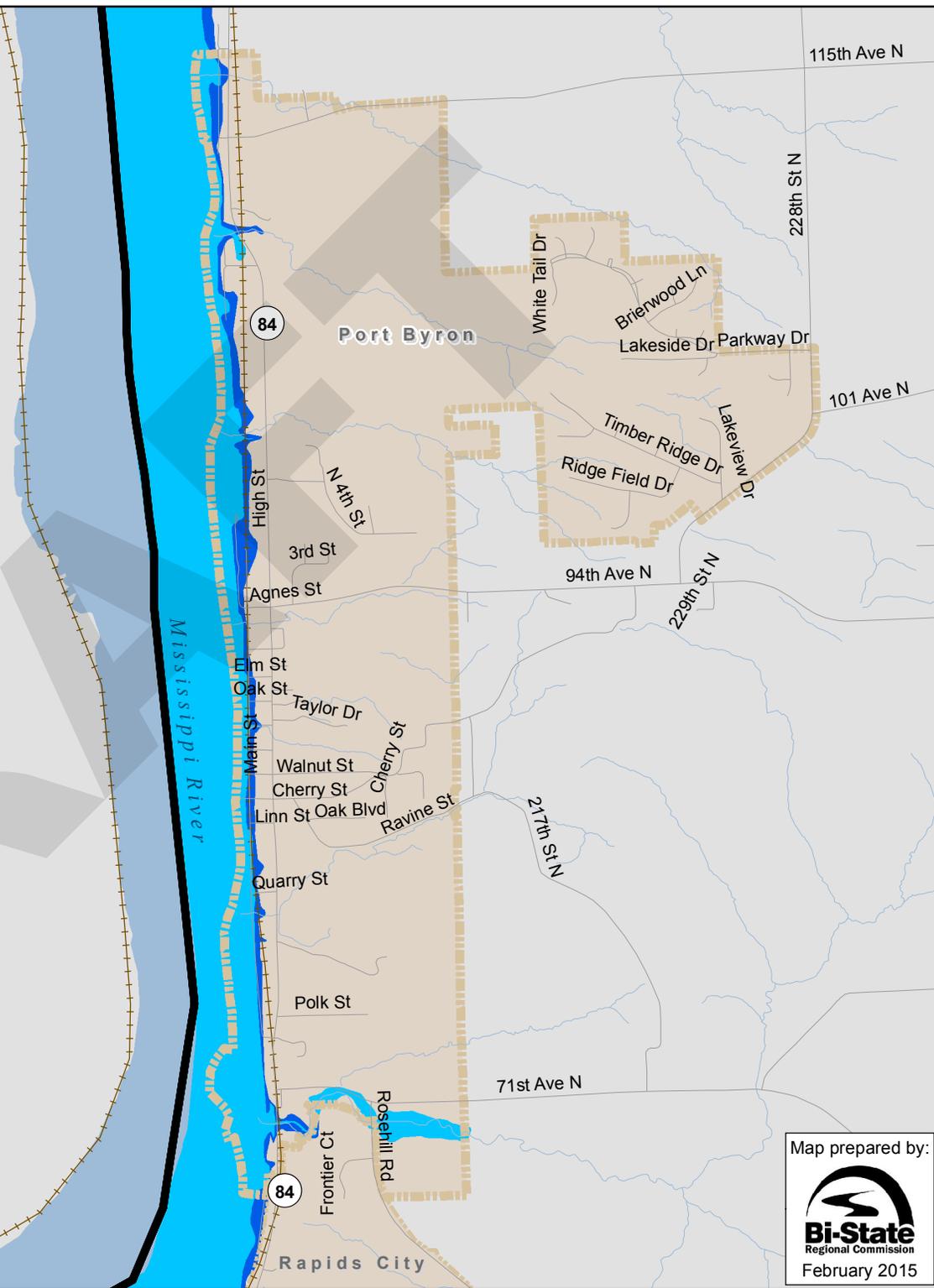
- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Port Byron
- Participating Municipality
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Railroad



Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries and Streams/Creeks - Rock Island County GIS Center  
 Other data - Bi-State Regional Commission

Disclaimer: This map is for reference only. Data provided are derived from multiple sources with varying levels of accuracy. Bi-State Regional Commission disclaims all responsibility for the accuracy or completeness of the data shown hereon.

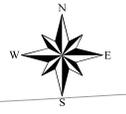
Scott County, IA



Map prepared by:

**Bi-State**  
Regional Commission  
February 2015

# Appendix 3-3 Rock Island County Hazard Mitigation Plan Rapids City, IL - Flood Hazard Areas



Scott County, IA

Port Byron  
Barber Creek Rd

Note: This is not the official source for flood hazard information.

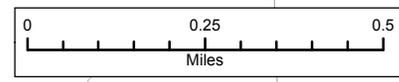
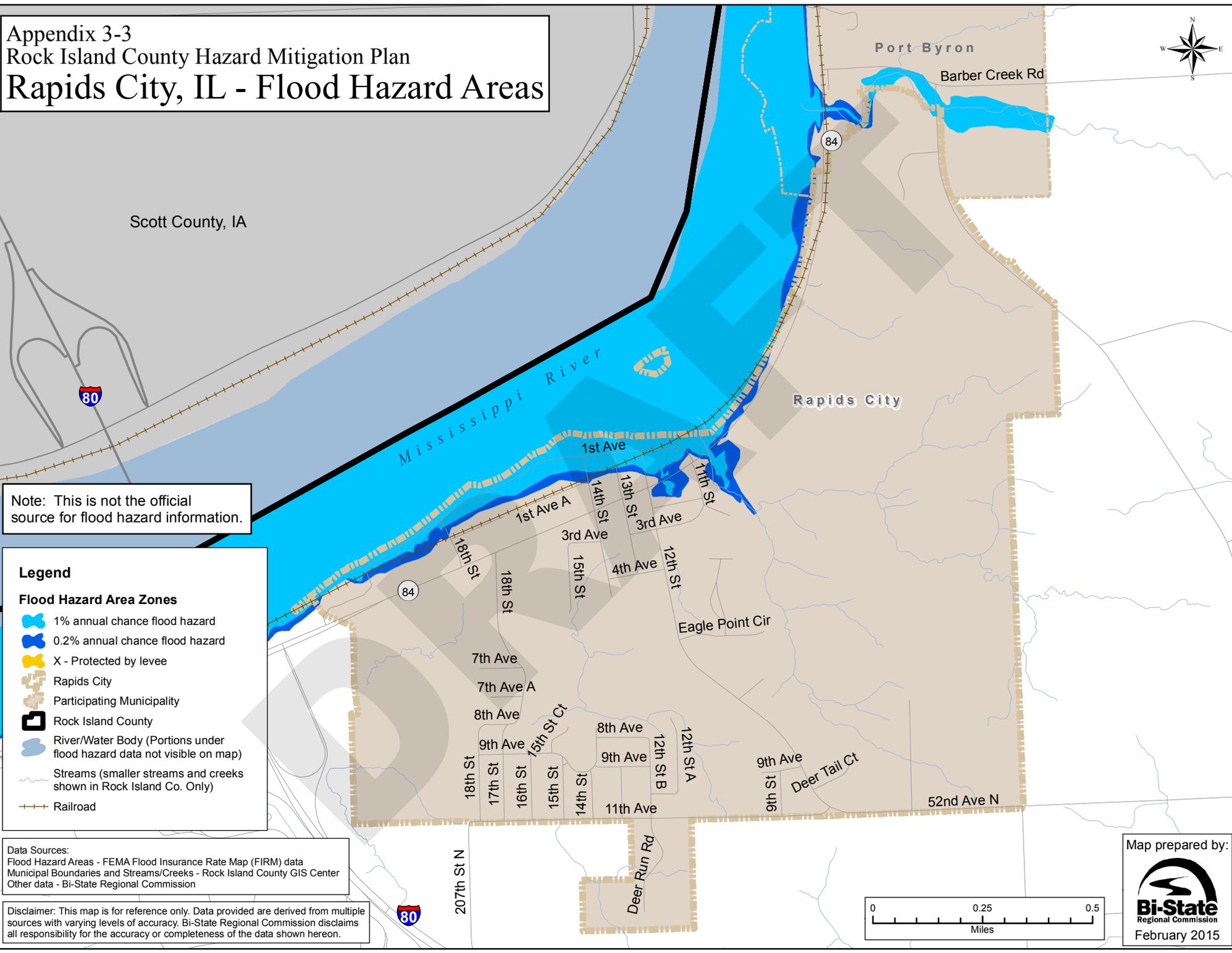
**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Rapids City
- Participating Municipality
- Rock Island County
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Railroad

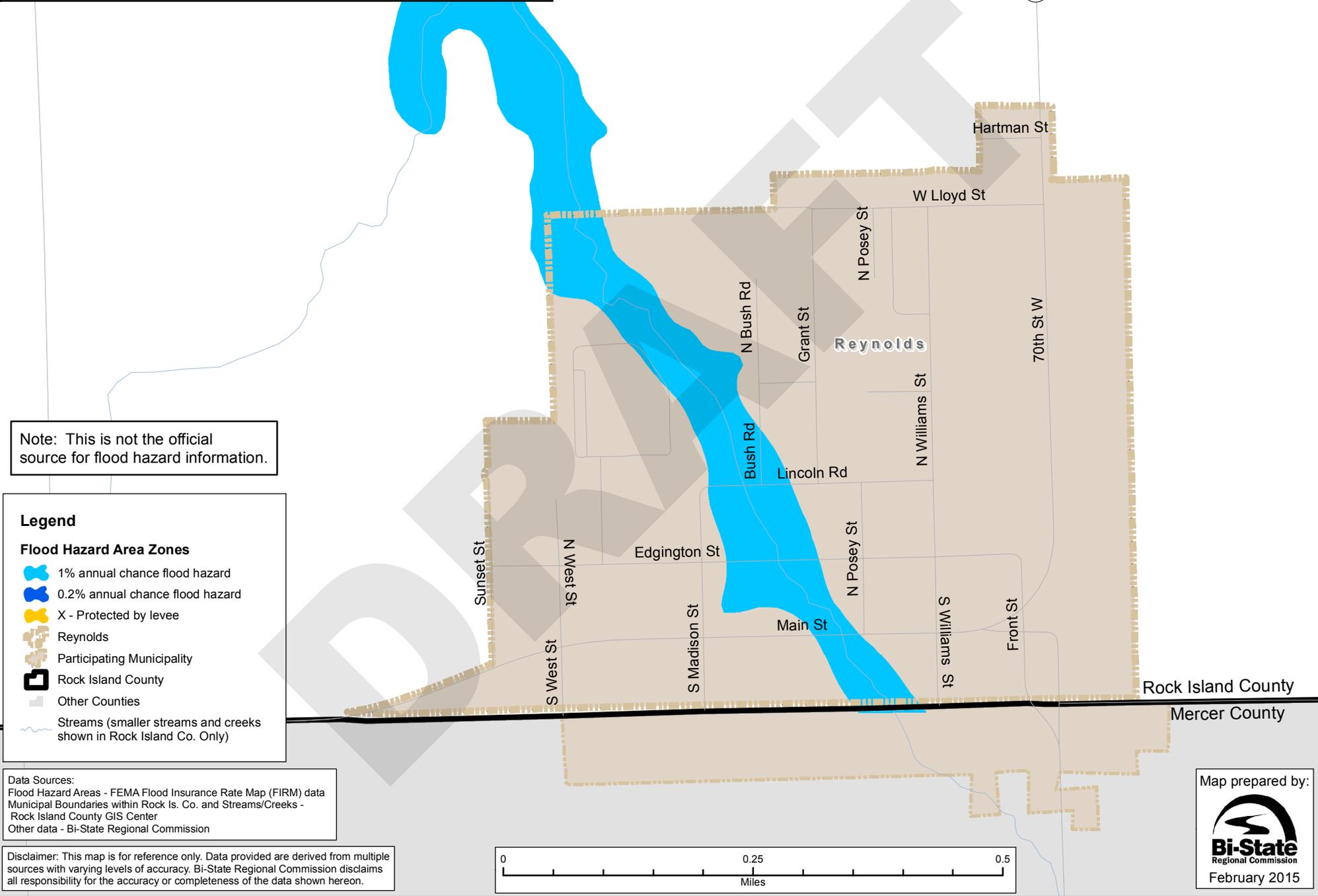
Data Sources:  
Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
Municipal Boundaries and Streams/Creeks - Rock Island County GIS Center  
Other data - Bi-State Regional Commission

Disclaimer: This map is for reference only. Data provided are derived from multiple sources with varying levels of accuracy. Bi-State Regional Commission disclaims all responsibility for the accuracy or completeness of the data shown hereon.



Map prepared by:  
  
February 2015

# Appendix 3-3 Rock Island County Hazard Mitigation Plan Reynolds, IL - Flood Hazard Areas



Note: This is not the official source for flood hazard information.

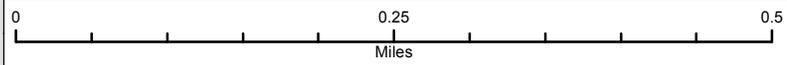
**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Reynolds
- Participating Municipality
- Rock Island County
- Other Counties
- Streams (smaller streams and creeks shown in Rock Island Co. Only)

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks -  
 Rock Island County GIS Center  
 Other data - Bi-State Regional Commission

Disclaimer: This map is for reference only. Data provided are derived from multiple sources with varying levels of accuracy. Bi-State Regional Commission disclaims all responsibility for the accuracy or completeness of the data shown hereon.



Map prepared by:

February 2015

# Appendix 3-3 Rock Island County Hazard Mitigation Plan Rock Island, IL - Flood Hazard Areas Map 1 of 2



Scott County, IA

Note: This is not the official source for flood hazard information.

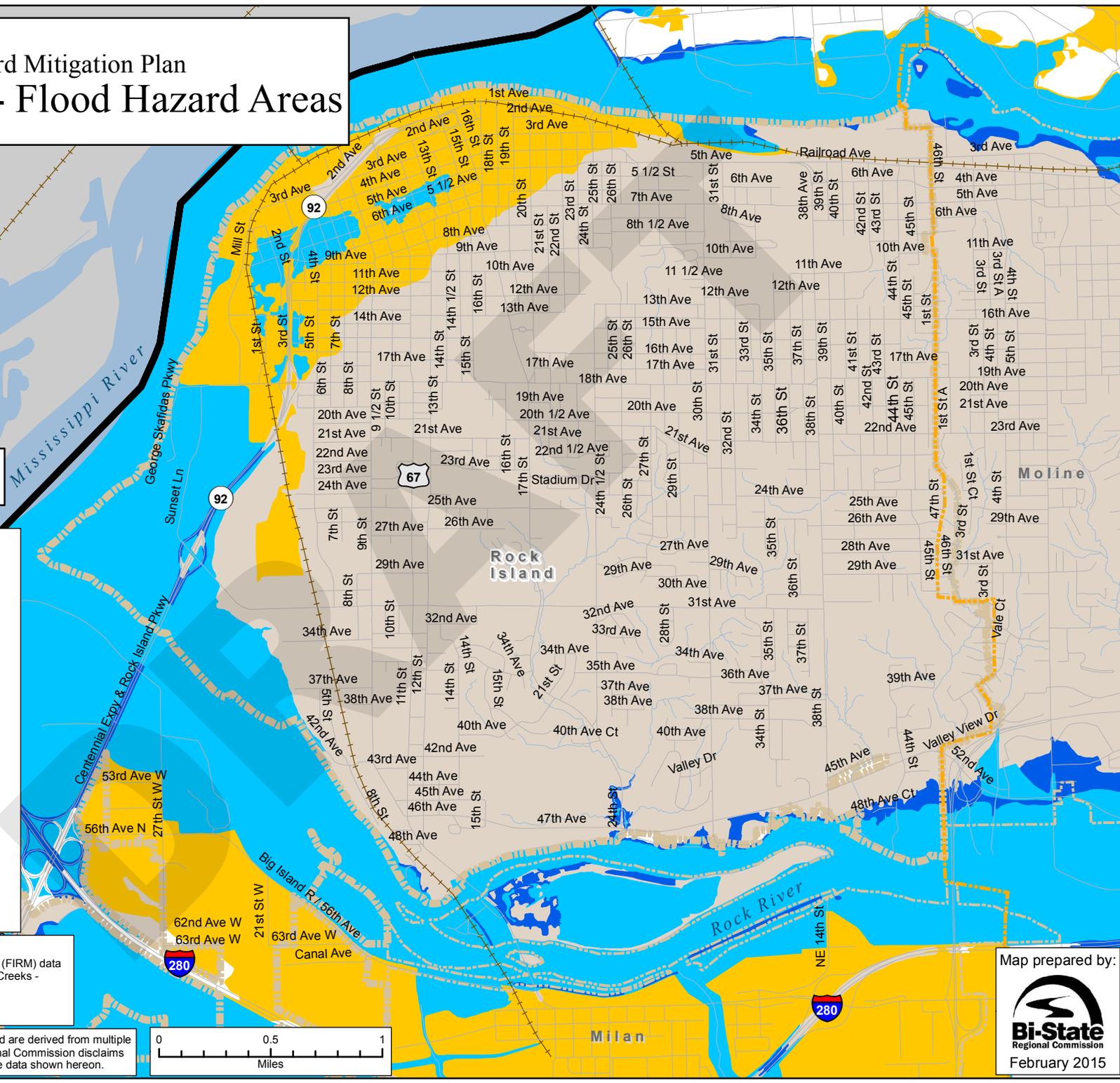
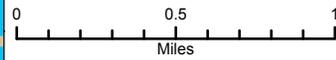
### Legend

#### Flood Hazard Area Zones

-  1% annual chance flood hazard
  -  0.2% annual chance flood hazard
  -  X - Protected by levee
  -  Rock Island
  -  Participating Municipality
  -  Rock Island County
- #### Participating School Districts
-  Moline Unit School District 40
  -  Orion Community Unit School District 223
  -  River/Water Body (Portions under flood hazard data not visible on map)
  -  Streams (smaller streams and creeks shown in Rock Island Co. Only)
  -  Railroad

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks -  
 Rock Island County GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

Disclaimer: This map is for reference only. Data provided are derived from multiple sources with varying levels of accuracy. Bi-State Regional Commission disclaims all responsibility for the accuracy or completeness of the data shown hereon.



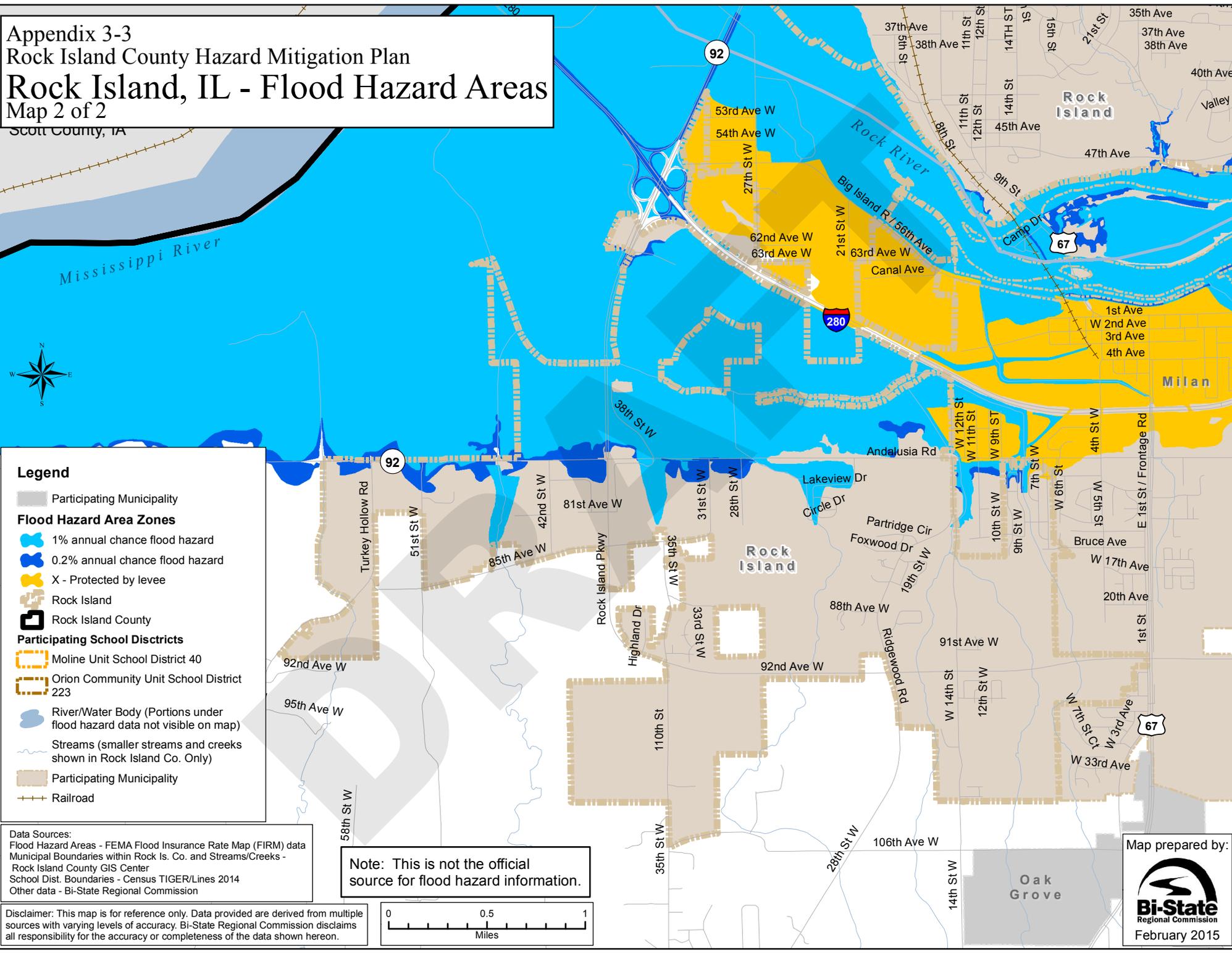
Map prepared by:



# Appendix 3-3 Rock Island County Hazard Mitigation Plan Rock Island, IL - Flood Hazard Areas

Map 2 of 2

Scott County, IA



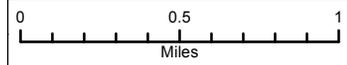
### Legend

- Participating Municipality
- Flood Hazard Area Zones**
- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Rock Island
- Rock Island County
- Participating School Districts**
- Moline Unit School District 40
- Orion Community Unit School District 223
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Participating Municipality
- Railroad

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks -  
 Rock Island County GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

Note: This is not the official source for flood hazard information.

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Map prepared by:



# Appendix 3-3 Rock Island County Hazard Mitigation Plan Silvis, IL - Flood Hazard Areas Map 1 of 2

Note: This is not the official source for flood hazard information.

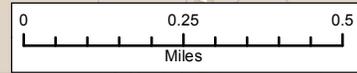
**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Silvis
- Participating Municipality
- Rock Island County
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- Railroad

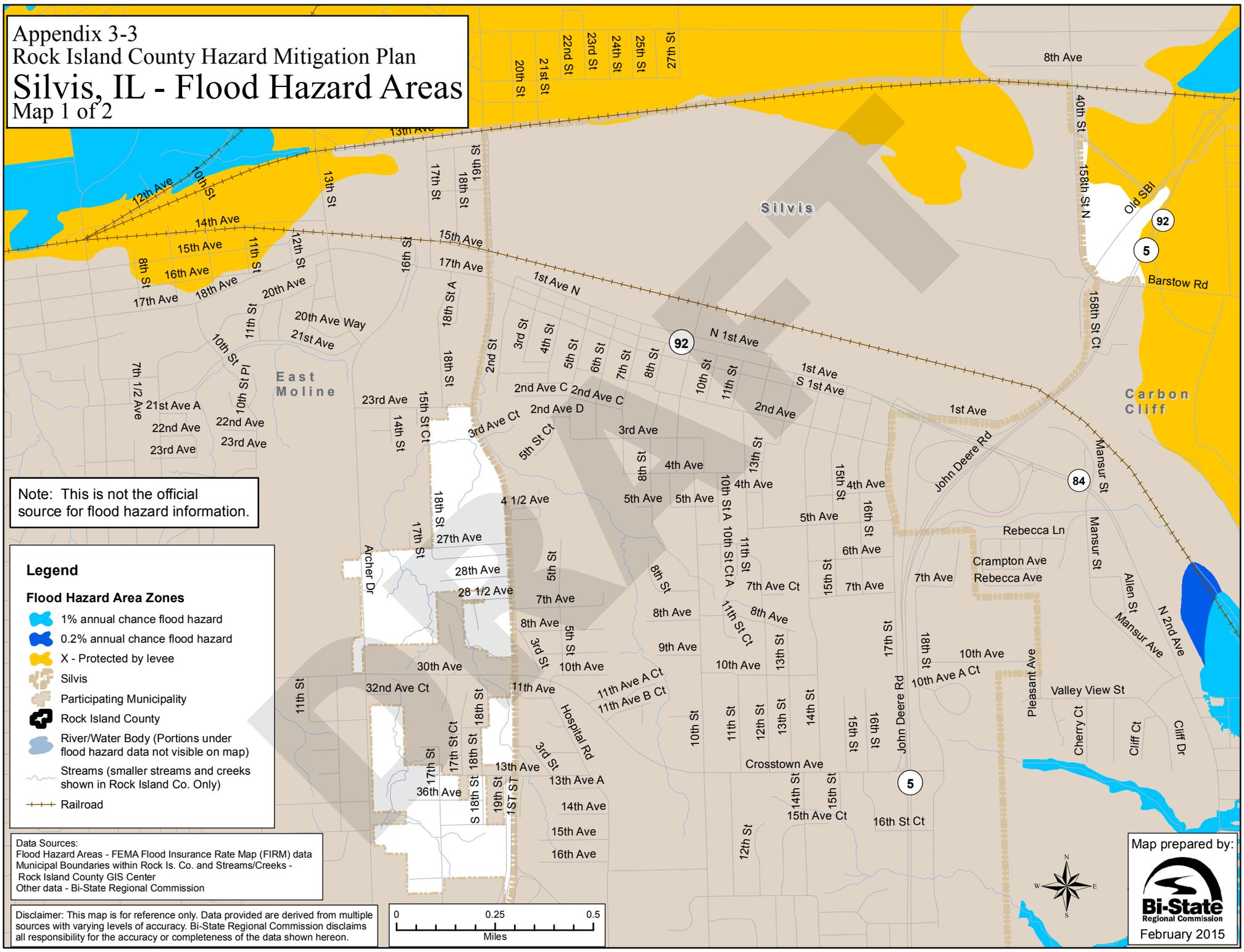
Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks -  
 Rock Island County GIS Center  
 Other data - Bi-State Regional Commission

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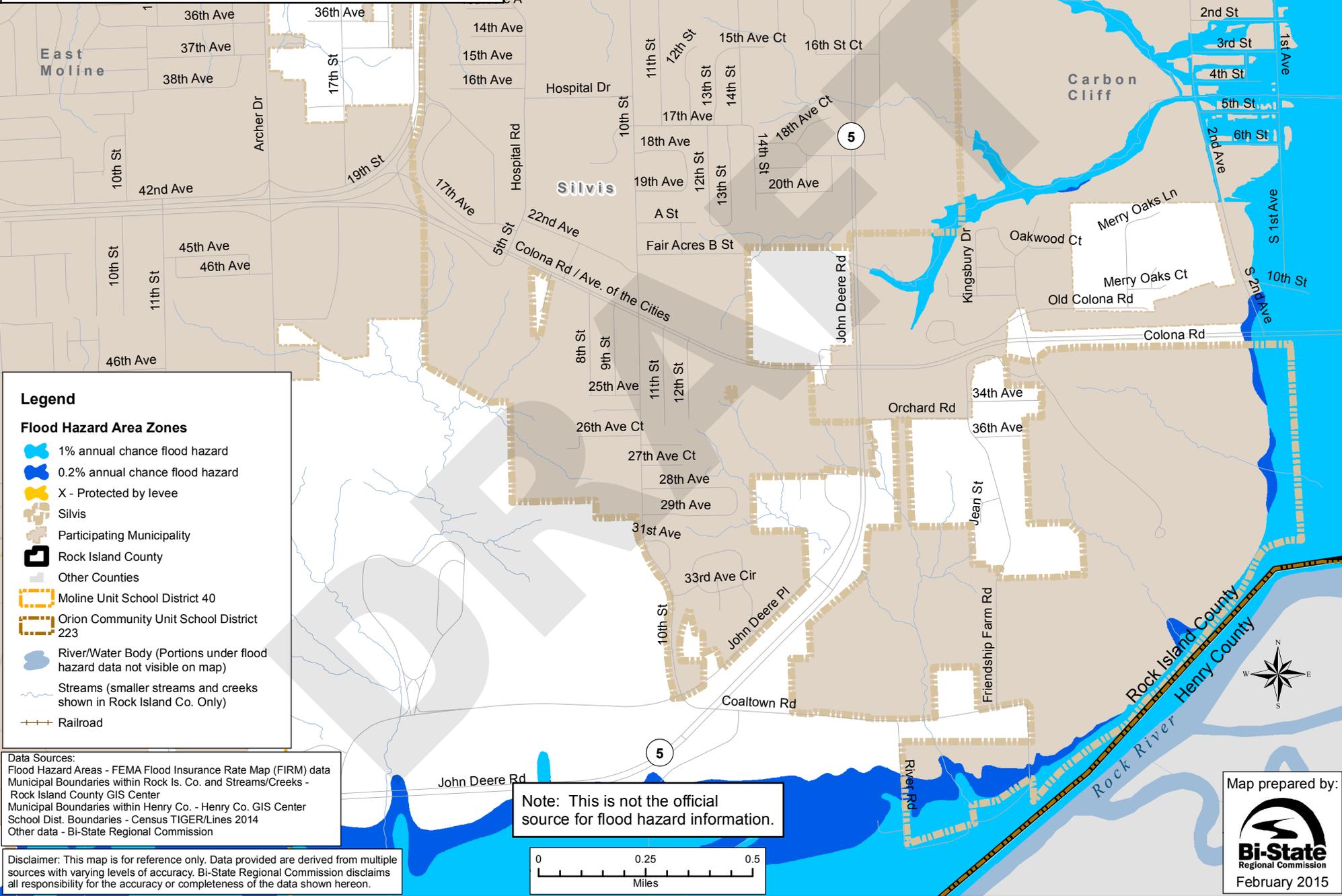


Map prepared by:

February 2015



# Appendix 3-3 Rock Island County Hazard Mitigation Plan Silvis, IL - Flood Hazard Areas Map 2 of 2



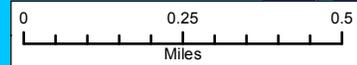
**Legend**

**Flood Hazard Area Zones**

- 1% annual chance flood hazard
- 0.2% annual chance flood hazard
- X - Protected by levee
- Silvis
- Participating Municipality
- Rock Island County
- Other Counties
- Moline Unit School District 40
- Orion Community Unit School District 223
- River/Water Body (Portions under flood hazard data not visible on map)
- Streams (smaller streams and creeks shown in Rock Island Co. Only)
- +— Railroad

Data Sources:  
 Flood Hazard Areas - FEMA Flood Insurance Rate Map (FIRM) data  
 Municipal Boundaries within Rock Is. Co. and Streams/Creeks - Rock Island County GIS Center  
 Municipal Boundaries within Henry Co. - Henry Co. GIS Center  
 School Dist. Boundaries - Census TIGER/Lines 2014  
 Other data - Bi-State Regional Commission

Note: This is not the official source for flood hazard information.



Map prepared by:

February 2015

Disclaimer: This map is for reference only. Data provided are derived from multiple sources with varying levels of accuracy. Bi-State Regional Commission disclaims all responsibility for the accuracy or completeness of the data shown hereon.

**APPENDIX 4-1 STAPLEE EVALUATION METHOD**



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### *STAPLEE Evaluation Criteria for Mitigation Actions*

The STAPLEE evaluation method uses seven criteria for evaluating a mitigation action: **S**ocial, **T**echnical, **A**ministrative, **P**olitical, **L**egal, **E**conomic, and **E**nvironmental. Within each of those criteria are additional considerations that may call upon the Risk Assessment and other sources of information for evaluation. Both the criteria and considerations are presented in a sample worksheet format at the end of this Appendix. An explanation of how each of the STAPLEE criteria may be applied to evaluation of mitigation actions follows:

**Social:** The public must support the overall implementation strategy and specific mitigation actions and the mitigation actions are evaluated in terms of community acceptance.

**Considerations:**

**Community Acceptance:** Will the action disrupt established neighborhoods, break up voting districts, or cause the relocation of lower income people? Is the action compatible with present and future community values?

**Effect on Segment of Population:** Will the proposed action adversely affect one segment of the population?

**Technical:** It is important to determine if the proposed action is technically feasible, will help to reduce losses in the long term, and has minimal secondary impacts. This category evaluates whether the alternative action is a whole or partial solution, or not a solution at all.

**Considerations:**

**Technical Feasibility:** How effective is the action in avoiding or reducing future losses?

**Long-Term Solution:** Does the action solve the problem or only a symptom?

**Secondary Effects:** Will the action create more problems than it solves?

**Administrative:** This category examines the anticipated staffing, funding, and maintenance requirements for the mitigation actions to determine if the jurisdiction has the personnel and administrative capabilities to implement the actions or whether outside help will be necessary.

**Considerations:**

**Staffing (sufficient number of staff and training):** Does the jurisdiction have the capability (staff, technical experts) to implement the action?

**Funding allocated:** Does the jurisdiction have the funding to implement the action or can it readily be obtained? Can it be accomplished in a timely manner?

**Maintenance/Operations:** Can the community provide the necessary maintenance?

**Political:** This considers the level of political support for the mitigation activities and programs.

**Considerations:**

**Political Support:** Is there political support to implement and maintain this action? Have political leaders participated in the planning process so far?

**Local Champion or Plan Proponent (respected community member):** Is there a local champion willing to help see the action to completion?

**Public Support (stakeholders):** Is there enough public support to ensure the success of the action? Have all the stakeholders been offered an opportunity to participate in the planning process?

**Legal:** Whether the jurisdiction has the legal authority to implement the actions, or whether the jurisdiction must pass new laws or regulations, is important in determining how the mitigation action can be best carried out.

**Considerations:**

**State Authority:** Does the state have authority to implement the action?

**Existing Local Authority:** Are proper laws, ordinances, and resolutions in place to implement the actions?

**Potential Legal Challenge:** Is there a technical, scientific, or legal basis for the mitigation action (i.e. does the mitigation actions “fit” the hazard setting)? Are there any potential legal consequences? Is the action likely to be challenged by stakeholders who may be negatively affected?

**Economic:** Economic considerations must include evaluation of the present economic base and projected growth. Cost-effective mitigation actions that can be funded in current or up-coming budget cycles are more likely to be implemented than actions requiring general obligation bonds or other instruments that would incur long-term debt to a community.

**Considerations:**

**Benefit of Action:** What benefits will the action provide?

**Cost of Action:** Does the cost seem reasonable for the size of the problem and the likely benefits? What burden will be places on the tax base or local economy to implement this action?

**Contributes to Economic Goals:** Does the action contribute to other community economic goals, such as capital improvements or economic development?

**Outside Funding Required:** Are there currently sources of funds that can be used to implement the action? What proposed actions should be considered by be “tabled” for implementation until outside sources of funding are available?

**Environmental:** Impact on the environment is an important consideration because of public desire for sustainable and environmentally healthy communities. Also, statutory considerations, such as the National Environmental Policy Act (NEPA), need to be kept in mind when using federal funds.

**Considerations:**

**Affects Land/Water Bodies:** How will this action affect land/water?

**Affects Endangered Species:** How will this action affect Endangered Species?

**Affects Hazardous Materials and Waste Sites:** How will this action affect Hazardous Materials and waste sites?

**Consistent with Community's Environmental Goals:** Is this action consistent with community environmental goals?

**Consistent with Federal Laws:** Is the action consistent with Federal Laws, such as the National Environmental Policy Act (NEPA)?



**APPENDIX 4-2 STAPLEE WORKSHEET**

DRAFT



**STAPLEE Worksheet Instructions**

1. Fill in the mitigation action. Use a separate worksheet for each mitigation action.
2. Scoring uses a plus (+) for favorable evaluation for each consideration, a negative (-) for less favorable evaluation, and N/A for considerations that do not apply.

**Action ID:**

**Action considered:**

<b>STAPLEE Criteria</b>	<b>S</b> Social		<b>T</b> Technical			<b>A</b> Administrative		<b>P</b> Political		<b>L</b> Legal		<b>E</b> Economic			<b>E</b> Environment								
<b>Considerations</b> → <b>For</b> <b>Alternative</b> <b>Actions</b> ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent w/ Community	Consistent w/ Federal Laws

**Comments:**

**Benefit:** Explain how the project will provide a benefit in mitigation a hazard

**Cost/Funding Source:** Estimate of project or possible funding sources if available

**Responsible Party:** State who will be the lead on the project by the person’s title

**Timeframe for Completion:** How long will the project will take to start and how long will the project take once started?

**Priority Level:** Rank mitigation actions according to the community’s priorities. Please take into consideration how beneficial the project will be based on its effectiveness and costs (often referred to as a benefit/cost analysis).



**APPENDIX 4-3 COMPILED STAPLEE WORKSHEETS**

DRAFT



**JURISDICTION: Andalusia**

**Action Considered:** Obtain levee certification to meet 100-year flood certification guidelines. Possible reconstruction will be needed.

STAPLEE Criteria	S Social		T Technical		A Administrative			P Political		L Legal		E Economic			E Environment								
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+

**Comments:**

**Benefit:**

Assure long-term protection of existing and future development within the protection of the levee system.

**Cost/Funding Source:**

Costs only estimated at \$1,000,000 at this time. Reconstruction needs and final cost estimates will be dependent on levee certification analysis. Major reconstruction needs will require outside funding resources.

**Responsible Party:**

Maintenance Director

**Timeframe for**

**Completion:**

2-5 years

**Priority Level:**

1

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements

STAPLEE Criteria	S Social		T Technical		A Administrative			P Political		L Legal		E Economic			E Environment								
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	+	+	+	+	-	-	-	-	+	+	+	+	+	-	NA	NA	NA	NA	+

**Comments:**

**Benefit:**

Ensures compliance with NFIP and local codes

**Cost/Funding Source:**

Local

**Responsible Party:**

Floodplain Manager

**Timeframe for**

**Completion:**

Ongoing

**Priority Level:**

2

Appendix 4-3

**Action Considered:** Create a voluntary flood acquisition program and elevation program

STAPLEE Criteria	S Social	T Technical	A Administrative			P Political		L Legal		E Economic			E Environment										
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	NA	+	+	NA	NA	+	+

**Comments:**

**Benefit:** Mitigates flood damage in high risk areas

**Cost/Funding Source:** Mitigation Funding (75% FEMA/ 25% Local)

**Responsible Party:** Maintenance Director/ County Floodplain Manager

**Timeframe for**

**Completion:** Ongoing/ As funding becomes available

**Priority Level:** 3

**Action Considered:** Enforce and keep building codes updated to Rock Island County's current standards.

STAPLEE Criteria	S Social	T Technical	A Administrative			P Political		L Legal		E Economic			E Environment										
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	NA	+	+	-	-	NA	+	-	-	+	+	+	-	+	-	NA	NA	NA	NA	NA	+	+

**Comments:**

**Benefit:** Ensures that buildings are constructed and maintained to code requirements

**Cost/Funding Source:** Local

**Responsible Party:** Building Inspector

**Timeframe for**

**Completion:** Ongoing

**Priority Level:** 4

**Action Considered:** Construct safe room at Andalusia Elementary School to provide shelter to vulnerable populations.

STAPLEE Criteria	S Social	T Technical	A Administrative			P Political			L Legal			E Economic			E Environment								
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	-	+	+	NA	NA	NA	+	+

**Comments:** This would need to be addressed by Rockridge School District  
**Benefit:** Provide shelter for students in the event of natural and manmade hazards  
**Cost/Funding Source:** Mitigation Funding (75% FEMA/ 25% Local)  
**Responsible Party:** Rockridge School District Superintendent  
**Timeframe for Completion:** 5+ years  
**Priority Level:** 5

**Action Considered:** Relocate well head out of floodplain and realign distribution system with water tower

STAPLEE Criteria	S Social	T Technical	A Administrative			P Political			L Legal			E Economic			E Environment								
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	NA	NA	NA	+

**Comments:** Identified as a priority action. Applies to existing and new community assets.  
**Benefit:** Removes public water supply from threat of flood hazard.  
**Cost/Funding Source:** Outside funding sources will likely be required due to the substantial cost anticipated.  
**Responsible Party:** Maintenance Director  
**Timeframe for Completion:** 5+ years  
**Priority Level:** 6

**JURISDICTION: Carbon Cliff**

**Action Considered:** Alleviate flooding from storm water runoff by designing and installing storm water management improvements encompassing Best Management Practices.

STAPLEE Criteria	S Social	T Technical	A Administrative	P Political	L Legal	E Economic	E Environment	
Considerations →	Community Acceptance Effect on Population Segment	Technical Feasibility Long-term Solution	Secondary Impacts Staffing	Funding Allocated Maintenance/Operations	Political Support Local Champion Public Support	State Authority Existing Local Authority Potential Legal Challenge	Benefit of Action Cost of Action Contributes to Economic Goals Outside Funding Required	Effect on Land/Water Effect on Endangered Species Effect on HAZMAT Sites Consistent with Community and Environmental Goals Consistent with Federal Laws
For Alternative Actions ↓								
	+	+	+	-	+	+	+	+

**Comments:**

- Benefit:** Assure long-term alleviation from flooding from storm water runoff
- Cost/Funding Source:** Costs estimated at Estimated \$3.7 million project - Federal and Local Funding - as of 2009 preliminary design plans completed
- Responsible Party:** Village President
- Timeframe for Completion:** The project began in 2009, and Phase 1 was completed in 2012, and Phase 2 was completed in 2013.
- Priority Level:** 1

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements

STAPLEE Criteria	S Social	T Technical	A Administrative	P Political	L Legal	E Economic	E Environment	
Considerations →	Community Acceptance Effect on Population Segment	Technical Feasibility Long-term Solution	Secondary Impacts Staffing	Funding Allocated Maintenance/Operations	Political Support Local Champion Public Support	State Authority Existing Local Authority Potential Legal Challenge	Benefit of Action Cost of Action Contributes to Economic Goals Outside Funding Required	Effect on Land/Water Effect on Endangered Species Effect on HAZMAT Sites Consistent with Community and Environmental Goals Consistent with Federal Laws
For Alternative Actions ↓								
	+	+	+	+	+	+	+	+

- Comments:** Village has local Floodplain Ordinance in place
- Benefit:** Ensures compliance with NFIP and local codes
- Cost/Funding Source:** County Manager
- Responsible Party:** Floodplain Manager
- Timeframe for Completion:** Ongoing
- Priority Level:** 2

**Action Considered:** Enforce and keep building codes updated to Rock Island County's current standards.

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal			E Economic			E Environment							
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws	
For Alternative Actions ↓	+	NA	+	+	-	-	NA	+	-	-	+	+	+	-	+	-	NA	NA	NA	NA	NA	NA	+	+

**Comments:** Village is currently enforcing Village Ordinances related to building standards  
**Benefit:** Ensures that buildings are constructed and maintained to code requirements  
**Cost/Funding Source:** Local  
**Responsible Party:** Building Inspector  
**Timeframe for Completion:** Ongoing  
**Priority Level:** 3

**Action Considered:** Raise 9 properties out of the floodplain

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal			E Economic			E Environment							
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws	
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	NA	+	+	NA	NA	NA	+	+

**Comments:** Carbon Cliff has plans to raise 9 properties out of the floodplain  
**Benefit:** Mitigates potential flood damage to those 9 properties  
**Cost/Funding Source:** Still in planning phase; need to assess total cost and potential outside funding sources  
**Responsible Party:** Local elected official and Village Board  
**Timeframe for Completion:** Ongoing/ As funding becomes available  
**Priority Level:** 4

**Action Considered:** Reconstruct 1st Avenue culvert which needs upgrading

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	-	+	+	NA	NA	NA	+	+

**Comments:** Culvert needs upgrading to handle river flooding  
**Benefit:** Upgrading culvert would increase its capacity to handle more intense river flooding  
**Cost/Funding Source:** Still in planning phase; need to assess total cost and potential outside funding sources  
**Responsible Party:** Local elected official and Village Board  
**Timeframe for Completion:** Ongoing/ As funding becomes available  
**Priority Level:** 5

**Action Considered:** Bank stabilization east of the river

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	NA	NA	NA	+

**Comments:** Mitigates potential flood damage along the bank of the river  
**Benefit:** Mitigates potential flood damage along the bank of the river  
**Cost/Funding Source:** Still in planning phase; need to assess total cost and potential outside funding sources  
**Responsible Party:** Local elected official and Village Board  
**Timeframe for Completion:** Ongoing/ As funding becomes available  
**Priority Level:** 6



Appendix 4-3

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements

STAPLEE	S		T			A			P			L			E			E					
Criteria	Social		Technical			Administrative			Political			Legal			Economic			Environment					
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
<b>For Alternative Actions</b> ↓	+	+	+	+	+	+	+	+	-	-	-	-	+	+	+	+	+	-	NA	NA	NA	NA	+

**Comments:** Village has local Floodplain Ordinance in place  
**Benefit:** Ensures compliance with NFIP and local codes  
**Cost/Funding Source:** Village Funds  
**Responsible Party:** Director of Roads and Parks  
**Timeframe for Completion:** Completed  
**Priority Level:** 3

**Action Considered:** Replace current flood gate with permanent access gate

STAPLEE	S		T			A			P			L			E			E					
Criteria	Social		Technical			Administrative			Political			Legal			Economic			Environment					
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
<b>For Alternative Actions</b> ↓	-	+	-	-	+	+	+	+	-	-	-	NA	NA	+	+	+	NA	NA	+	+	-	NA	NA

**Comments:** Village would like to add a permanent flood gate structure  
**Benefit:** Makes for quick and safe response to rapid rising waters  
**Cost/Funding Source:** Village funds  
**Responsible Party:** Director of Roads and Parks  
**Timeframe for Completion:** Required Illinois Department of Transportation approval  
**Priority Level:** 4

**Action Considered:** Provide seasonal hazards information for residents in Village's quarterly newsletters

STAPLEE	S	T			A			P			L		E			E							
Criteria	Social	Technical			Administrative			Political			Legal		Economic			Environment							
Considerations →																							
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
	+	+	+	+	+	+	+	+	-	-	+	-	+	-	+	+	+	NA	NA	NA	NA	+	+

**Comments:** As needed we can apply to our local Newsletter  
**Benefit:** Keeps residents informed on what to look for and what actions to take in times of hazards  
**Cost/Funding Source:** Village Funds  
**Responsible Party:** Village staff  
**Timeframe for Completion:** On going  
**Priority Level:** 5

**Action Considered:** Construct safe room at Coal Valley Municipal Building to provide shelter to vulnerable populations.

STAPLEE	S	T			A			P			L		E			E							
Criteria	Social	Technical			Administrative			Political			Legal		Economic			Environment							
Considerations →																							
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
	+	+	-	-	-	-	-	-	+	+	+	NA	+	+	+	-	-	-	NA	NA	NA	NA	+

**Comments:** Village Hall is currently a warming and cooling shelter with a backup generator  
 Provides shelter to residents without services. Look at installing safe room in the future if funds are available  
**Benefit:**  
**Cost/Funding Source:** Mitigation Funding (FEMA 75%/ Local 25%)  
**Responsible Party:** Building Official  
**Timeframe for Completion:** Completed and next 20 years on safe room  
**Priority Level:** 6

**JURISDICTION: Cordova**

Action Considered: Enforce and keep building codes updated to Rock Island County's current standards.

STAPLEE	S	T			A			P			L		E			E							
Criteria	Social	Technical			Administrative			Political			Legal		Economic			Environment							
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	NA	+	+	-	-	NA	+	-	-	+	+	+	-	+	-	NA	NA	NA	NA	NA	+	+

**Comments:** Village is currently enforcing Village Ordinances related to building standards  
**Benefit:** Ensures that buildings are constructed and maintained to code requirements  
**Cost/Funding Source:** Village Funds  
**Responsible Party:** Building Official officer(s)  
**Timeframe for Completion:** Already in compliance  
**Priority Level:** 1

Action Considered: Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements

STAPLEE	S	T			A			P			L		E			E							
Criteria	Social	Technical			Administrative			Political			Legal		Economic			Environment							
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	-	-	-	-	+	+	+	+	+	-	NA	NA	NA	NA	+

**Comments:** Village has local Floodplain Ordinance in place  
**Benefit:** Ensures compliance with NFIP and local codes  
**Cost/Funding Source:** Village Funds  
**Responsible Party:** Floodplain Manager  
**Timeframe for Completion:** Completed  
**Priority Level:** 2

**Action Considered:** Purchase generators for emergency backup

STAPLEE	S	T			A			P			L			E			E						
Criteria	Social	Technical			Administrative			Political			Legal			Economic			Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	-	+	+	+	+	+	NA	+	+	+	+	+	+	NA	NA	NA	NA	NA

**Comments:** Village would like to purchase generators for emergency backup  
 Back-up generators would assure continuation of essential services during a power outage due to hazard events.

**Benefit:** Village funds: The cost would be \$66,000 for lift station and \$71,000 for water tower and well pump based on electrical contractor estimate of site-specific needs.

**Cost/Funding Source:** Village Board?

**Responsible Party:** Village Board?

**Timeframe for Completion:** As of Summer 2015, 2 of 6 sewer lift stations has had upgrades

**Priority Level:** 3

**JURISDICTION: East Moline**

**Action Considered:** Improve flood gates B, C, D, and E on levee system

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal		E Economic			E Environment							
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws	
Considerations →																								
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	NA	+	+	NA	NA	+	+	

**Comments:**

**Benefit:** Provides property protection and life saving.  
**Cost/Funding Source:** Estimated \$1,000,000. Capital Improvement Plan  
**Responsible Party:** City Engineer  
**Timeframe for Completion:** Years 1-3  
**Priority Level:** 1

**Action Considered:** Automate floodgate and gate wells monitoring system using SCADA

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal		E Economic			E Environment							
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws	
Considerations →																								
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	NA	+	+	NA	NA	+	+	

**Comments:** SCADA is Supervisory Control and Data Acquisition and provides control of remote equipment  
**Benefit:** Would provide real time information on levee system and levee/pump failures  
**Cost/Funding Source:** No cost estimate at this time. Funding through Capital Improvement Plan or outside grant source  
**Responsible Party:** City Engineer  
**Timeframe for Completion:** Year 2-3  
**Priority Level:** 2

**Action Considered:** Upgrade tornado sirens with SCADA

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal		E Economic			E Environment							
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓																							
	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	NA	+	+	NA	NA	+	+

**Comments:** SCADA is Supervisory Control and Data Acquisition and provides control of remote equipment  
**Benefit:** Minimizes delay in sounding siren; can determine if power is lost or battery back-up has died.  
**Cost/Funding Source:** No cost estimate at this time. Funding through Capital Improvement Plan or outside grant source  
**Responsible Party:** Fire Chief  
**Timeframe for Completion:** Year 3  
**Priority Level:** 3

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on the State of Illinois Model Code, which exceeds NFIP minimum requirements

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal		E Economic			E Environment							
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓																							
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+	+	+

**Comments:**  
**Benefit:** Assists in reducing or eliminating risk and losses from flood related hazards.  
**Cost/Funding Source:** No additional costs. Staff Time  
**Responsible Party:** Floodplain Manager  
**Timeframe for Completion:** Ongoing; Years 1-5  
**Priority Level:** 4

**Action Considered:** Promote use and purchasing of NOAA radios to vulnerable populations

STAPLEE Criteria	S		T			A			P			L		E			E						
	Social		Technical			Administrative			Political			Legal		Economic			Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	-	NA	NA	NA	+	+

**Comments:**

**Benefit:** Provides advanced warning of a hazard event.  
**Cost/Funding Source:** Approximately \$40 per radio. Would be purchased individually  
**Responsible Party:** Fire Chief  
**Timeframe for Completion:** Years 1-5  
**Priority Level:** 5

**Action Considered:** Enforce and update building codes to current International Code Series.

STAPLEE Criteria	S		T			A			P			L		E			E						
	Social		Technical			Administrative			Political			Legal		Economic			Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Comments:** Identified as a priority action. Applies to existing and new community assets.  
 Ensures both new construction and rehabilitated buildings are safe by a standard set of requirements and guidelines  
**Benefit:**  
**Cost/Funding Source:** No additional costs. Staff Time  
**Responsible Party:** Building Official  
**Timeframe for Completion:** Every 3-6 years  
**Priority Level:** 6

**Action Considered:** Ensure manufactured homes have adequate tie downs.

STAPLEE Criteria	S		T			A			P			L		E			E						
	Social		Technical			Administrative			Political			Legal		Economic			Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	NA	+	+	+

**Comments:**

**Benefit:** Mitigates vulnerability during tornadoes and high winds

**Cost/Funding Source:** No additional costs. Staff time.

**Responsible Party:** Building Inspector

**Timeframe for**

**Completion:** Ongoing; Years 1-5

**Priority Level:** 7

**JURISDICTION: Hampton**

**Action Considered:** Enforce keep building codes updated to Rock Island County's current standards

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	NA	+	+	-	-	NA	+	-	-	+	+	+	-	+	-	NA	NA	NA	NA	NA	+	+

**Comments:** Village is currently enforcing Village Ordinances related to building standards  
**Benefit:** Ensures that buildings are constructed and maintained to code requirements  
**Cost/Funding Source:** Local  
**Responsible Party:** Building Inspector  
**Timeframe for Completion:** Years 1-5  
**Priority Level:** 1

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	+	+	+	+	-	-	-	+	+	+	+	+	-	NA	NA	NA	NA	NA	+

**Comments:** Village has local Floodplain Ordinance in place  
**Benefit:** Ensures compliance with NFIP and local codes  
**Cost/Funding Source:** Local  
**Responsible Party:** Floodplain Manager  
**Timeframe for Completion:** Years 1-5  
**Priority Level:** 2

**Action Considered:** Create a voluntary flood acquisition program

STAPLEE Criteria	S	T			A			P			L			E			E						
	Social	Technical			Administrative			Political			Legal			Economic			Environment						
Considerations →																							
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	NA	+	+	NA	NA	+	+

**Comments:**

**Benefit:** Mitigates flood damage in high risk areas  
**Cost/Funding Source:** Mitigation Funding (FEMA 75%/ Local 25%)  
**Responsible Party:** Chief Elected Official  
**Timeframe for Completion:** Ongoing/ As funding becomes available  
**Priority Level:** 3

**Action Considered:** Purchase two warning sirens @ \$16,000 each

STAPLEE Criteria	S	T			A			P			L			E			E						
	Social	Technical			Administrative			Political			Legal			Economic			Environment						
Considerations →																							
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
	+	+	+	+	+	+	-	+	+	+	+	NA	+	+	+	+	+	+	NA	NA	NA	NA	NA

**Comments:** Identified as a priority action. Applies to both existing and new community assets.  
**Benefit:** Improve warning system for natural hazards.  
**Cost/Funding Source:** Costs estimated at \$16,000 for each of the two warning sirens.  
**Responsible Party:** Village Board  
**Timeframe for Completion:** Ongoing as funding is identified  
**Priority Level:** 4

**JURISDICTION: Hillsdale**

**Action Considered:** Enforce and keep building codes updated to Rock Island County's current standards.

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	NA	+	+	-	-	NA	+	-	-	+	+	+	-	+	-	NA	NA	NA	NA	NA	+	+

**Comments:** Village is currently enforcing Village Ordinances related to building standards  
**Benefit:** Ensures that buildings are constructed and maintained to code requirements  
**Cost/Funding Source:** Local  
**Responsible Party:** Building Inspector  
**Timeframe for Completion:** Ongoing  
**Priority Level:** 1

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+

**Comments:** Village has local Floodplain Ordinance in place  
**Benefit:** Ensures compliance with NFIP and local codes  
**Cost/Funding Source:** County Manager  
**Responsible Party:** Floodplain Manager  
**Timeframe for Completion:** Ongoing  
**Priority Level:** 2



**JURISDICTION: Milan**

**Action Considered:** Update levee certification

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal		E Economic			E Environment								
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws	
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+	+	+

**Comments:** Added 2 pumps in 2011 that have a 5-6k gallon/min capacity  
**Benefit:** Protection to Milan residents and compliance with FEMA  
**Cost/Funding Source:** Village of Milan  
**Responsible Party:** Floodplain Manager  
**Timeframe for Completion:** Ongoing  
**Priority Level:** 1

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal		E Economic			E Environment								
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws	
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Comments:**  
**Benefit:** Compliance and Protection for Milan residents  
**Cost/Funding Source:** Local  
**Responsible Party:** Floodplain Manager  
**Timeframe for Completion:** Ongoing  
**Priority Level:** 2

**Action Considered:** Establish written procedures for severe weather and hazard events.

STAPLEE Criteria	S		T			A			P			L			E			E					
	Social	Technical	Administrative	Political	Legal	Economic	Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	-	+	NA	NA	+	+	+	+	+	+	+	+	+	NA	NA	NA	+	+	+

**Comments:** Milan Citizen Corp has on-going community awareness materials, and conducts mock drills.

**Benefit:** Community Education/Awareness

**Cost/Funding Source:** Citizen Corp

**Responsible Party:** Village of Milan along with Citizen Corp

**Timeframe for**

**Completion:** Ongoing

**Priority Level:** 3

**Action Considered:** Ensure that mobile homes have adequate tie downs

STAPLEE Criteria	S		T			A			P			L			E			E					
	Social	Technical	Administrative	Political	Legal	Economic	Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	NA	NA	NA	NA	NA

**Comments:** Inspections department conducts a visual set before skirting is allowed

**Benefit:** Adherence to local ordinance

**Cost/Funding Source:** Local

**Responsible Party:** Building Inspector

**Timeframe for**

**Completion:** Ongoing

**Priority Level:** 4

**JURISDICTION: Moline**

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on the State of Illinois Model Code, which exceeds NFIP minimum requirements, and adopt new model codes as they are issued.

STAPLEE Criteria	S Social	T Technical	A Administrative	P Political	L Legal	E Economic	E Environment																	
Considerations →																								
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws	
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Comments:** The City of Moline has historically adopted the model code provided by the Illinois Department of Natural Resources, Division of Water Resources.

**Benefit:** Assists in reducing or eliminating risk and losses from flood related hazards.

**Cost/Funding Source:** No additional costs. Staff Time

**Responsible Party:** Floodplain Manager

**Timeframe for Completion:** Ongoing; Years 1-5

**Priority Level:** 1

**Action Considered:** Enforce and update building codes to current International Code Series

STAPLEE Criteria	S Social	T Technical	A Administrative	P Political	L Legal	E Economic	E Environment																	
Considerations →																								
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws	
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Comments:** Adopt new codes every 3-6 years.

**Benefit:** Ensures both new construction and rehabilitated buildings are safe by a standard set of requirements and guidelines

**Cost/Funding Source:** No additional costs. Staff Time

**Responsible Party:** Building Official

**Timeframe for Completion:** Every 3-6 years

**Priority Level:** 3

**Action Considered:** Secure outside funding to update and enhance City's Emergency Services Preparedness Plan

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal		E Economic			E Environment					
Considerations →	Community Acceptance Effect on Population Segment	Technical Feasibility Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓																					
	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	-	NA	NA	+	+	+

**Comments:**

**Benefit:** Provides coordination of city services; reduces time and resources needed during a hazard event.

**Cost/Funding Source:** Has not been identified

**Responsible Party:** Fire Chief

**Timeframe for**

**Completion:** Year 2

**Priority Level:** 2

**Action Considered:** Maintain Community Rating System at current level

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal		E Economic			E Environment					
Considerations →	Community Acceptance Effect on Population Segment	Technical Feasibility Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓																					
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Comments:** Currently Class 8

**Benefit:** Provides Flood Insurance Premium discount for policies within Moline

**Cost/Funding Source:** Staff Time

**Responsible Party:** Floodplain Manager

**Timeframe for**

**Completion:** Ongoing: Years 1-5

**Priority Level:** 4

Appendix 4-3

**Action Considered:** Implement voluntary flood acquisition and mitigation programs on both Mississippi and Rock Rivers as needed

STAPLEE Criteria	S	T			A			P			L		E			E							
	Social	Technical			Administrative			Political			Legal		Economic			Environment							
Considerations →																							
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
	+	+	+	+	+	+	-	+	-	+	+	+	+	+	+	+	+	-	+	+	NA	+	+

**Comments:** Property buyouts may be considered by the City Council upon request. Decisions are dependent upon availability of funding and property or community benefit (i.e. park/permanent open space)

**Benefit:** Removes structures from floodplain or elevates structures above base flood elevation

**Cost/Funding Source:** Increase Cost of Compliance; FEMA grants may be needed

**Responsible Party:** Floodplain Manager and Building Official

**Timeframe for Completion:** Dependent on need and grant funding availability

**Priority Level:** 5

**JURISDICTION: Port Byron**

**Action Considered:** Purchase and update existing building for Emergency Operation Center (EOC) with heating/cooling shelter facilities.

STAPLEE Criteria	S Social	T Technical	A Administrative	P Political	L Legal	E Economic	E Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓																							
	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+

**Comments:** This mitigation action was listed in the 2009 plan, and is still being explored by a City Councilmember, albeit now with plans to retrofit the existing village hall to include permanently mounted generator for power outages

**Benefit:** Consolidate Village Emergency response functions and technological upgrades in one facility and provide sheltering facilities.

**Cost/Funding Source:** Costs estimated at \$1.2 million in 2009.

**Responsible Party:** Village President

**Timeframe for Completion:** Ongoing as funding sources are identified

**Priority Level:** 3

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements

STAPLEE Criteria	S Social	T Technical	A Administrative	P Political	L Legal	E Economic	E Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓																							
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+

**Comments:** Village has local Floodplain Ordinance in place

**Benefit:** Ensures compliance with NFIP and local codes

**Cost/Funding Source:** County Manager

**Responsible Party:** Floodplain Manager

**Timeframe for Completion:** Ongoing

**Priority Level:** 2

**Action Considered:** Enforce and keep building codes updated to Rock Island County's current standards.

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal		E Economic			E Environment						
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →  For Alternative Actions ↓	+	NA	+	+	-	-	NA	+	-	-	+	+	+	-	+	-	NA	NA	NA	NA	NA	+	+

**Comments:**

**Benefit:** Ensures that buildings are constructed and maintained to code requirements  
**Cost/Funding Source:** Local  
**Responsible Party:** Building Inspector  
**Timeframe for Completion:** Ongoing  
**Priority Level:** 1

**JURISDICTION: Rapids City**

**Action Considered:** Emergency generator for community center - warming/cooling center

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	NA	+	+	+	+	+	+	+	NA	NA	NA	NA	NA

**Comments:** Identified as a priority action in 2009

**Benefit:** Shelter for vulnerable populations during extreme temperature events

**Cost/Funding Source:** Costs have been described as negligible for use of an existing building.

**Responsible Party:** Village President

**Timeframe for Completion:** Ongoing/ As funding becomes available

**Priority Level:** 1

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+

**Comments:**

**Benefit:** Ensures compliance with NFIP and local codes

**Cost/Funding Source:** County Manager

**Responsible Party:** Floodplain Manager

**Timeframe for Completion:** Ongoing

**Priority Level:** 2

Appendix 4-3

**Action Considered:** Enforce and keep building codes updated to Rock Island County's current standards.

STAPLEE Criteria	S Social	T Technical			A Administrative		P Political			L Legal		E Economic			E Environment									
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws	
For Alternative Actions ↓	+	NA	+	+	-	-	NA	+	-	-	+	+	+	-	+	-	NA	NA	NA	NA	NA	NA	+	+

**Comments:**

**Benefit:** Ensures that buildings are constructed and maintained to code requirements

**Cost/Funding Source:** Local

**Responsible Party:** Building Inspector

**Timeframe for**

**Completion:** Ongoing

**Priority Level:** 3

**Action Considered:** Local siren system installation for emergencies

STAPLEE Criteria	S Social	T Technical			A Administrative		P Political			L Legal		E Economic			E Environment								
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	NA	+	+	+	+	+	+	NA	NA	NA	NA	NA

**Comments:** Concerns over needing a local siren system for emergency

**Benefit:** Improve warning system for natural hazards.

**Cost/Funding Source:** City is exploring costs and funding sources

**Responsible Party:** Village Board

**Timeframe for**

**Completion:** Ongoing as funding is identified

**Priority Level:** 4

**Action Considered:** Retrofitting existing building near Public Works Dept for sandbag and equipment storage

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓																							
	+	+	+	+	+	+	-	+	+	+	+	NA	+	+	+	+	+	+	NA	NA	NA	NA	NA

**Comments:** Opportunity to re-use an existing building to store sandbag material and other materials  
**Benefit:** Easier access to sand and equipment during flooding and emergencies  
**Cost/Funding Source:** City is exploring costs and funding sources  
**Responsible Party:** Village Board  
**Timeframe for Completion:** Ongoing as funding is identified  
**Priority Level:** 5

**Action Considered:** Installation of 2 emergency generators for sewage treatment plant in the event of power loss

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓																							
	+	+	+	+	+	+	-	+	+	+	+	NA	+	+	+	+	+	+	NA	NA	NA	NA	NA

**Comments:** Concerns over needing emergency generators for sewage treatment in case of power loss.  
**Benefit:** Prevent water contamination and sewage overflows  
**Cost/Funding Source:** City is exploring costs and funding sources  
**Responsible Party:** Village Board  
**Timeframe for Completion:** Ongoing as funding is identified  
**Priority Level:** 6

**Action Considered:** Exploring warning system through web-based list-serve in event of emergency

STAPLEE Criteria	S	T			A		P			L		E			E								
	Social	Technical			Administrative		Political			Legal		Economic			Environment								
Considerations →																							
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
	+	+	+	+	+	+	-	+	+	+	+	NA	+	+	+	+	+	+	NA	NA	NA	NA	NA

**Comments:** Opportunity to use smart phones and new technology to warn residents in emergencies  
**Benefit:** Improve warning system for natural hazards.  
**Cost/Funding Source:** Likely low cost of implementation, but would need some outside funding for administration  
**Responsible Party:** Village President  
**Timeframe for Completion:** Ongoing as funding is identified  
**Priority Level:** 7

**JURISDICTION: Reynolds**

**Action Considered:** Upgrade water mains by connecting currently unconnected mains to create loops at four locations (Main St, Perryton St, Bush St, and Lloyd St) and add additional fire hydrants.

STAPLEE Criteria	S		T			A			P			L			E			E					
	Social	Technical	Administrative	Political	Legal	Economic	Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	NA	NA	NA	+	+	+	NA	NA	NA	NA	+	+

**Comments:** The Village is pursuing grant funding to complete this project.  
Improvements to the Village's water system will assist with fire protection and emergency services as well as improvements in water quality and water system pressure.

**Benefit:**

**Cost/Funding Source:** Estimated cost \$125,000/ Grant funding

**Responsible Party:** Village Board

**Completion:** 0-1 years

**Priority Level:** 1

**Action Considered:** Enforce and update building codes to Rock Island County's current standards.

STAPLEE Criteria	S		T			A			P			L			E			E					
	Social	Technical	Administrative	Political	Legal	Economic	Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	NA	NA	NA	NA	NA	NA	NA	NA

**Comments:** None.

**Benefit:** Emphasizes good building practices and maintenance of current building stock in the Village.

**Cost/Funding Source:** Local Funds

**Responsible Party:** Building Inspector

**Completion:** Ongoing

**Priority Level:** 2

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements

STAPLEE Criteria	S Social	T Technical			A Administrative		P Political			L Legal			E Economic			E Environment							
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	NA	+	NA	+	+	+	+	NA	NA	NA	+	+	+	+	+	+	NA	+	+

**Comments:** None.  
**Benefit:** Continuing flood plain best practices and allowing residents to obtain flood insurance.  
**Cost/Funding Source:** Local Funds  
**Responsible Party:** Zoning Committee  
**Completion:** Ongoing  
**Priority Level:** 3

**JURISDICTION: Rock Island**

**Action Considered:** Construct safe room where vulnerable populations may not have other sources of shelter as feasible.

STAPLEE Criteria	S Social	T Technical	A Administrative	P Political	L Legal	E Economic	E Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
<b>For Alternative Actions</b> ↓	+	+	+	+	+	+	-	+	+	+	+	NA	+	+	+	+	+	-	+	NA	NA	NA	NA

**Comments:** Recommended as a priority actions. Applies to new community assets.

**Benefit:** Potential life-saving actions

**Cost/Funding Source:** Determined by the size of the structure. Outside funding would be required.

**Responsible Party:** Building Official

**Completion:** Ongoing as projects arise

**Priority Level:** 7

**Action Considered:** Update Levee Certification

STAPLEE Criteria	S Social	T Technical	A Administrative	P Political	L Legal	E Economic	E Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
<b>For Alternative Actions</b> ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+

**Comments:**

**Benefit:** Maintain reduced flood insurance rates for property in levee protection areas.

**Cost/Funding Source:** Cost not determined; local funding possible outside funding

**Responsible Party:** Public Works Director

**Completion:** Years 4-5

**Priority Level:** 1

Appendix 4-3

**Action Considered:** Seek funding to undertake rehabilitation or reconstruction of levees as needed to maintain certification

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal		E Economic			E Environment							
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Comments:** Look into grant possibilities with FEMA or USACE to maintain certification if needed  
**Benefit:** Makes levee rehabilitation more feasible; protects property and human life  
**Cost/Funding Source:** Staff Time  
**Responsible Party:** Public Works Director  
**Completion:** As needed  
**Priority Level:** 4

**Action Considered:** Enforce and update building codes to current International Code Series.

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal		E Economic			E Environment							
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Comments:** Will be updating to the 2015 ICS soon  
**Benefit:** Ensure that construction meets latest standards of safety  
**Cost/Funding Source:** Staff Time  
**Responsible Party:** Chief Building Official  
**Completion:** Every 3-6 Years  
**Priority Level:** 3

**Action Considered:** Ensure manufactured homes have adequate tie downs

STAPLEE Criteria	S		T			A		P			L			E			E						
	Social		Technical			Administrative		Political			Legal			Economic			Environment						
Considerations →																							
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	NA	NA	NA	NA	NA	NA

**Comments:**

**Benefit:** Mitigates vulnerability during tornadoes and high winds

**Cost/Funding Source:** No additional costs. Staff time.

**Responsible Party:** Chief Building Official

**Completion:** Ongoing

**Priority Level:** 8

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements and adopt new model codes as they are issued. Current require 2 feet of freeboard

STAPLEE Criteria	S		T			A		P			L			E			E						
	Social		Technical			Administrative		Political			Legal			Economic			Environment						
Considerations →																							
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	NA	NA	+	+

**Comments:**

**Benefit:** Reduces or eliminates losses from flood hazards

**Cost/Funding Source:** No additional costs for ongoing enforcement

**Responsible Party:** Floodplain Manager

**Completion:** Ongoing; Years 1-5

**Priority Level:** 2

**Action Considered:** Implement voluntary flood acquisition program if need arises

STAPLEE Criteria	S		T			A			P			L			E			E					
	Social	Technical	Administrative	Political	Legal	Economic	Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓																							
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	NA	NA	+	+

**Comments:**

**Benefit:** Reduces or eliminates losses from flood hazards  
**Cost/Funding Source:** FEMA Hazard Mitigation Grants with local match from city  
**Responsible Party:** Chief Building Official  
**Completion:** As needed  
**Priority Level:** 9

**Action Considered:** Identify critical facilities such as lift stations where back up power generators should be installed

STAPLEE Criteria	S		T			A			P			L			E			E					
	Social	Technical	Administrative	Political	Legal	Economic	Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓																							
	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	-	+	-	NA	NA	NA	NA	NA

**Comments:**

**Benefit:** Ensures continuation of essential services  
**Cost/Funding Source:** Cost not identified; local funding  
**Responsible Party:** Public Works Director  
**Completion:** Year 4  
**Priority Level:** 5

**Action Considered:** Research options to protect sewer systems to the 100-year flood level

STAPLEE Criteria	S		T			A			P			L		E			E						
	Social		Technical			Administrative			Political			Legal		Economic			Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+	+	+	+	+	NA	NA	+	+

**Comments:** Areas around 6th Avenue that are below flood level  
**Benefit:** Protects sewer system from backing up into homes, causing property damage.  
**Cost/Funding Source:** Cost not identified; local funding. Outside funding if available.  
**Responsible Party:** Public Works Director  
**Completion:** Year 4  
**Priority Level:** 6

**JURISDICTION: Rock Island County**

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on the State of Illinois Model Code, which exceeds NFIP minimum requirements and adopt new model codes are they are issued.

STAPLEE Criteria	S Social	T Technical			A Administrative		P Political		L Legal		E Economic			E Environment									
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+	+	+

**Comments:**

**Benefit:** Assists in reducing or eliminating risk and losses from flood related hazards.

**Cost/Funding Source:** No additional costs. Staff Time

**Responsible Party:** Floodplain Manager

**Timeframe for**

**Completion:** Ongoing; Years 1-5

**Priority Level:** 1

**Action Considered:** Continue participation of Community Rating System at a class 7

STAPLEE Criteria	S Social	T Technical			A Administrative		P Political		L Legal		E Economic			E Environment									
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	NA	+	+

**Comments:**

**Benefit:** Provides discount of premiums on flood insurance for unincorporated buildings/properties

**Cost/Funding Source:** Staff Time

**Responsible Party:** Building and Zoning Director

**Timeframe for**

**Completion:** Ongoing; Years 1-5

**Priority Level:** 2

**Action Considered:** Evaluate siren system for adequate coverage

STAPLEE	S	T	A	P	L	E	E
Criteria	Social	Technical	Administrative	Political	Legal	Economic	Environment
Considerations →							
For Alternative Actions ↓	Community Acceptance Effect on Population Segment	Technical Feasibility Long-term Solution Secondary Impacts	Staffing Funding Allocated Maintenance/Operations	Political Support Local Champion Public Support	State Authority Existing Local Authority Potential Legal Challenge	Benefit of Action Cost of Action Contributes to Economic Goals Outside Funding Required	Effect on Land/Water Effect on Endangered Species Effect on HAZMAT Sites Consistent with Community and Environmental Goals Consistent with Federal Laws
	+	+	+	+	+	+	+

**Comments:**

**Benefit:** Mitigates vulnerability during tornadoes and high winds

**Cost/Funding Source:** No additional costs. Staff time.

**Responsible Party:** Emergency Management Director

**Timeframe for**

**Completion:** Ongoing; Years 1-5

**Priority Level:** 3

**Action Considered:** Identify locations of vulnerable populations, such as elderly

STAPLEE	S	T	A	P	L	E	E
Criteria	Social	Technical	Administrative	Political	Legal	Economic	Environment
Considerations →							
For Alternative Actions ↓	Community Acceptance Effect on Population Segment	Technical Feasibility Long-term Solution Secondary Impacts	Staffing Funding Allocated Maintenance/Operations	Political Support Local Champion Public Support	State Authority Existing Local Authority Potential Legal Challenge	Benefit of Action Cost of Action Contributes to Economic Goals Outside Funding Required	Effect on Land/Water Effect on Endangered Species Effect on HAZMAT Sites Consistent with Community and Environmental Goals Consistent with Federal Laws
	+	+	+	+	+	+	+

**Comments:** More accurate and continued monitoring of vulnerable populations helps focus hazard risks

**Benefit:** Provides information to reduce loss of life or reduces risk of injuries during hazard events

**Cost/Funding Source:** No additional costs. Staff Time

**Responsible Party:** Emergency Management Director

**Timeframe for**

**Completion:** Year 3 and Year 5

**Priority Level:** 4

**Action Considered:** Identify critical waterways that may be subject to hazardous material spills

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+	NA	+	+

**Comments:** Work with Coast Guard, USACE, municipalities and special interest groups  
**Benefit:** Identifying critical waterways will help emergency response prioritize actions and resources  
**Cost/Funding Source:** Staff Time  
**Responsible Party:** EMA Director  
**Timeframe for Completion:** Year 1 and 2, then ongoing  
**Priority Level:** 5

**Action Considered:** Coordinate flood warning systems and response

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+

**Comments:** Coordination already exists. Continued coordination is needed to ensure prompt flood response.  
**Benefit:** More efficient and timely flood preparation to minimize risk to people and property  
**Cost/Funding Source:** No additional costs. Staff Time.  
**Responsible Party:** Emergency Management Director and Floodplain Manager  
**Timeframe for Completion:** Years 1-5 before predicted flooding occurs as well as during flash flood events  
**Priority Level:** 6



Appendix 4-3

**Action Considered:** Train staff in storm water management and promote local trainings to local governments

STAPLEE Criteria	S		T		A		P		L		E		E										
	Social	Technical	Administrative	Political	Legal	Economic	Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	-	+	NA	NA	+	+

**Comments:**

**Benefit:** Provides training opportunities to building officials and floodplain managers for best practices and over time will mitigate effects of river and flash flooding

**Cost/Funding Source:** No identified at this time

**Responsible Party:** Building and Zoning Director

**Timeframe for Completion:** Annual

**Priority Level:** 9

**Action Considered:** Levee Certification; seek funding to undertake rehabilitation or reconstruction of levees as needed for certification

STAPLEE Criteria	S		T		A		P		L		E		E										
	Social	Technical	Administrative	Political	Legal	Economic	Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	-	+	NA	+	+	+

**Comments:**

**Benefit:** Provides property protection and life saving.

**Cost/Funding Source:** Staff Time to investigate funding opportunities

**Responsible Party:** Highway Engineer and Levee District

**Timeframe for Completion:** Year 2

**Priority Level:** 10

**Action Considered:** Continue acquisition program for Barstow area trailer park

STAPLEE Criteria	S	T			A		P		L		E			E										
	Social	Technical			Administrative		Political		Legal		Economic			Environment										
Considerations →																								
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws	
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Comments:** Currently underway  
**Benefit:** Mitigates vulnerabilities to flood hazards  
**Cost/Funding Source:** FEMA HMA grant obtained  
**Responsible Party:** Building and Zoning Director  
**Timeframe for Completion:** Year 1  
**Priority Level:** 11

**Action Considered:** Elevate floodprone buildings in Barstow Area or mitigate as necessary

STAPLEE Criteria	S	T			A		P		L		E			E										
	Social	Technical			Administrative		Political		Legal		Economic			Environment										
Considerations →																								
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws	
	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	-	+	+	NA	NA	+	+

**Comments:** If property becomes substantially damaged, property owner will be required to elevate  
**Benefit:** Mitigates vulnerabilities to flood hazards  
**Cost/Funding Source:** FEMA HMA grants will be required. Cost estimates completed  
**Responsible Party:** Building and Zoning Director  
**Timeframe for Completion:** Year 2-5 if funding becomes available  
**Priority Level:** 12

**Action Considered:** Voluntary floodprone property acquisition of Barstow area

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal			E Economic			E Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓																							
	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	-	+	NA	NA	+	+	

**Comments:**

**Benefit:** Mitigates vulnerabilities to flood hazards  
**Cost/Funding Source:** FEMA HMA grants will be required. Cost estimates completed  
**Responsible Party:** Building and Zoning Director  
**Timeframe for Completion:** Year 3-5 if funding and voluntary property owners become available  
**Priority Level:** 13

**Action Considered:** Elevate floodprone buildings on Campbell's Island or mitigate as necessary

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal			E Economic			E Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓																							
	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	-	+	NA	NA	+	+	

**Comments:** If property becomes substantially damaged, the property owner will be required to elevate  
**Benefit:** Mitigates vulnerabilities to flood hazards  
**Cost/Funding Source:** FEMA HMA grants will be required. Cost estimates completed  
**Responsible Party:** Building and Zoning Director  
**Timeframe for Completion:** Year 5 if funding and voluntary property owners become available  
**Priority Level:** 14

**Action Considered:** Voluntary floodprone property acquisition of Campbell's Island

STAPLEE Criteria	S		T			A			P			L		E			E						
	Social		Technical			Administrative			Political			Legal		Economic			Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	-	+	NA	NA	+	+

**Comments:**

**Benefit:** Mitigates vulnerabilities to flood hazards  
**Cost/Funding Source:** FEMA HMA grants will be required. Cost estimates completed  
**Responsible Party:** Building and Zoning Director  
**Timeframe for Completion:** Year 5 if funding and voluntary property owners become available  
**Priority Level:** 15

**Action Considered:** Elevate floodprone buildings in First Avenue North or mitigate as necessary

STAPLEE Criteria	S		T			A			P			L		E			E						
	Social		Technical			Administrative			Political			Legal		Economic			Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	-	+	NA	NA	+	+

**Comments:** If property becomes substantially damaged, property owner will be required to elevate  
**Benefit:** Mitigates vulnerabilities to flood hazards  
**Cost/Funding Source:** FEMA HMA grants will be required. Cost estimates completed  
**Responsible Party:** Building and Zoning Director  
**Timeframe for Completion:** Year 5-7 if funding and voluntary property owners become available  
**Priority Level:** 16

**Action Considered:** Voluntary floodprone property acquisition of First Avenue North

STAPLEE Criteria	S Social	T Technical	A Administrative	P Political	L Legal	E Economic	E Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	-	+	NA	NA	+	+

**Comments:**

**Benefit:** Mitigates vulnerabilities to flood hazards  
**Cost/Funding Source:** FEMA HMA grants will be required. Cost estimates completed  
**Responsible Party:** Building and Zoning Director  
**Timeframe for Completion:** Years 5-6 if funding and voluntary property owners become available  
**Priority Level:** 17

**Action Considered:** Elevate floodprone buildings in South Shore Drive or mitigate as necessary

STAPLEE Criteria	S Social	T Technical	A Administrative	P Political	L Legal	E Economic	E Environment																
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	-	+	NA	NA	+	+

**Comments:** If property becomes substantially damaged, property owner will be required to elevate  
**Benefit:** Mitigates vulnerabilities to flood hazards  
**Cost/Funding Source:** FEMA HMA grants will be required. Cost estimates completed  
**Responsible Party:** Building and Zoning Director  
**Timeframe for Completion:** Years 5-6 if funding and voluntary property owners become available  
**Priority Level:** 18

**Action Considered:** Voluntary floodprone property acquisition of South Shore Drive Properties

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal			E Economic			E Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	-	+	NA	NA	+	+

**Comments:**

**Benefit:** Mitigates vulnerabilities to flood hazards

**Cost/Funding Source:** FEMA HMA grants will be required. Cost estimates completed

**Responsible Party:** Building and Zoning Director

**Timeframe for**

**Completion:** Years 5-6 if funding and voluntary property owners become available

**Priority Level:** 19

**Action Considered:** Elevate floodprone buildings in North Shore Drive or mitigate as necessary

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal			E Economic			E Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	-	+	NA	NA	+	+

**Comments:** If property becomes substantially damaged, property owner will be required to elevate

**Benefit:** Mitigates vulnerabilities to flood hazards

**Cost/Funding Source:** FEMA HMA grants will be required. Cost estimates completed

**Responsible Party:** Building and Zoning Director

**Timeframe for**

**Completion:** Years 5-6 if funding and voluntary property owners become available

**Priority Level:** 20

Appendix 4-3

**Action Considered:** Voluntary floodprone property acquisition of North Shore Drive Properties

STAPLEE Criteria	S	T			A		P		L		E			E									
	Social	Technical			Administrative		Political		Legal		Economic			Environment									
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	-	+	NA	NA	+	+

**Comments:**

**Benefit:** Mitigates vulnerabilities to flood hazards  
**Cost/Funding Source:** FEMA HMA grants will be required. Cost estimates completed  
**Responsible Party:** Building and Zoning Director  
**Timeframe for Completion:** Years 5-6 if funding and voluntary property owners become available  
**Priority Level:** 21

**Action Considered:** Enforce and update building codes to current International Code Series

STAPLEE Criteria	S	T			A		P		L		E			E									
	Social	Technical			Administrative		Political		Legal		Economic			Environment									
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+

**Comments:**

Identified as a priority action. Applies to existing and future community assets.  
 Ensures both new construction and rehabilitated buildings are safe by a standard set of requirements and guidelines  
**Benefit:**  
**Cost/Funding Source:** No Additional Costs. Staff Time  
**Responsible Party:** Building and Zoning Director and staff  
**Timeframe for Completion:** Every 3-6 years  
**Priority Level:** 22

**Action Considered:** Ensure manufactured homes have adequate tie downs

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal		E Economic			E Environment						
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	NA	+	+	+

**Comments:** Inspected when building permits are pulled for manufactured homes.

**Benefit:** Mitigates vulnerability during tornadoes and high winds

**Cost/Funding Source:** No additional costs. Staff time.

**Responsible Party:** Building and Zoning Director and staff

**Timeframe for**

**Completion:** Ongoing; Years 1-5

**Priority Level:** 23

**Action Considered:** Construct safe room for vulnerable populations without other sources of shelter in unincorporated Rock Island County

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal		E Economic			E Environment						
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	NA	NA	+	+	+	+	+	+	-	+	NA	NA	+	+

**Comments:** Would require public support

**Benefit:** Provides potential life saving measure

**Cost/Funding Source:** FEMA funding would be required. Local match not identified

**Responsible Party:** Coordinated with RICO EMA and Building and Zoning

**Timeframe for**

**Completion:** Year 5 or later depending on funding or

**Priority Level:** 24

Appendix 4-3

Action Considered: Hold local training on fire code enforcement

STAPLEE Criteria	S Social		T Technical			A Administrative		P Political			L Legal			E Economic			E Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	-	+	NA	+	+	+

**Comments:** Fire code includes codes for hazardous material sites  
**Benefit:** Potential life saving measure  
**Cost/Funding Source:** Registration fees to cover most of cost  
**Responsible Party:** Building and Zoning Director in partnership with ILOWA  
**Timeframe for Completion:** Annually  
**Priority Level:** 25

Action Considered: Promote the purchase of NOAA weather radios

STAPLEE Criteria	S Social		T Technical			A Administrative		P Political			L Legal			E Economic			E Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	NA	NA	+	+

**Comments:**  
**Benefit:** NOAA weather radios provide warning of hazard events  
**Cost/Funding Source:** Staff Time to promotes use of radios; Individuals will purchase radios  
**Responsible Party:** EMA Director  
**Timeframe for Completion:** Years 1-5 - big pushes once annually  
**Priority Level:** 26

**Action Considered:** Look for more information on hazardous materials incidents for the next plan update and distinguish between fixed site and transportation related incidents

STAPLEE	S	T	A	P	L	E	E
Criteria	Social	Technical	Administrative	Political	Legal	Economic	Environment
Considerations →							
For Alternative Actions ↓	Community Acceptance Effect on Population Segment	Technical Feasibility Long-term Solution Secondary Impacts	Staffing Funding Allocated Maintenance/Operations	Political Support Local Champion Public Support	State Authority Existing Local Authority Potential Legal Challenge	Benefit of Action Cost of Action Contributes to Economic Goals Outside Funding Required	Effect on Land/Water Effect on Endangered Species Effect on HAZMAT Sites Consistent with Community and Environmental Goals Consistent with Federal Laws
	+	+	+	+	+	+	+

**Comments:** Create a spreadsheet of incidents for easier queries during hazard mitigation plans  
**Benefit:** Will provide better analysis and assessments in future plans  
**Cost/Funding Source:** Staff Time  
**Responsible Party:** EMA Director  
**Timeframe for Completion:** As spill reports are received  
**Priority Level:** 27

**Action Considered:** Provide more detail of critical facilities in next plan update include information on critical facilities in floodplain

STAPLEE	S	T	A	P	L	E	E
Criteria	Social	Technical	Administrative	Political	Legal	Economic	Environment
Considerations →							
For Alternative Actions ↓	Community Acceptance Effect on Population Segment	Technical Feasibility Long-term Solution Secondary Impacts	Staffing Funding Allocated Maintenance/Operations	Political Support Local Champion Public Support	State Authority Existing Local Authority Potential Legal Challenge	Benefit of Action Cost of Action Contributes to Economic Goals Outside Funding Required	Effect on Land/Water Effect on Endangered Species Effect on HAZMAT Sites Consistent with Community and Environmental Goals Consistent with Federal Laws
	+	+	+	+	+	+	+

**Comments:** Refine location/add additional facilities as necessary.  
**Benefit:** Creates a more robust vulnerability assessment.  
**Cost/Funding Source:** Staff Time  
**Responsible Party:** Emergency Management Director and Zoning and Building Director  
**Timeframe for Completion:** Year 4  
**Priority Level:** 28



**JURISDICTION: Silvis**

**Action Considered:** Design and construct 14th Street and 7th Avenue storm water management project

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal		E Economic			E Environment						
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	+	+	-	+	-	+	+	+	+	+	+	+	+	-	+	NA	NA	+	+

**Comments:**

**Benefit:** Project will assist with flooding during heavy rain.

**Cost/Funding Source:** Cost not identified at this time. Local funding.

**Responsible Party:** Public Works

**Timeframe for**

**Completion:** Year 3

**Priority Level:** 1

**Action Considered:** Establish written procedures for severe weather hazard events

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal		E Economic			E Environment						
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+

**Comments:**

**Benefit:** Reduces vulnerability to city during hazard events. May identify future mitigation actions from plan.

**Cost/Funding Source:** Staff Time

**Responsible Party:** City Administrator

**Timeframe for**

**Completion:** Year 2

**Priority Level:** 2

Appendix 4-3

**Action Considered:** Regularly trim city owned trees

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal		E Economic			E Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	-	+	-	+	+	+	+	+	+	+	+	-	+	+	NA	+	+

**Comments:** Mid American Energy trims trees near power lines.  
 Removing unhealthy limbs or those that pose a threat during a hazard event will reduce property damage and reduce the risk of injury or death from fallen trees or downed power lines.

**Benefit:**

**Cost/Funding Source:** Part of regular budget

**Responsible Party:** Public Works

**Timeframe for Completion:** Seasonally

**Priority Level:** 3

**Action Considered:** Enforce and update building codes to current International Code Series

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal		E Economic			E Environment						
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	NA	+	+	+

**Comments:** Adopt new codes every 3-6 years.  
 Ensures both new construction and rehabilitated buildings are safe by a standard set of requirements and guidelines

**Benefit:**

**Cost/Funding Source:** No additional costs. Staff Time

**Responsible Party:** Building Official

**Timeframe for Completion:** Every 3-6 years

**Priority Level:** 4

**Action Considered:** Ensure manufactured homes have adequate tie downs.

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal		E Economic			E Environment							
Considerations →																							
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	NA	+	+	+

**Comments:**

**Benefit:** Mitigates vulnerability during tornadoes and high winds

**Cost/Funding Source:** No additional costs. Staff time.

**Responsible Party:** Building Inspector

**Timeframe for**

**Completion:** Ongoing; Years 1-5

**Priority Level:** 5

**Action Considered:** Continue NFIP compliance by enforcing local floodplain ordinances based on the State of Illinois Model Code, which exceeds NFIP minimum requirements, and adopt new model codes as they are issued.

STAPLEE Criteria	S Social	T Technical			A Administrative			P Political			L Legal		E Economic			E Environment							
Considerations →																							
For Alternative Actions ↓	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	+	+	+	+

**Comments:**

**Benefit:** Assists in reducing or eliminating risk and losses from flood related hazards.

**Cost/Funding Source:** No additional costs. Staff Time

**Responsible Party:** Floodplain Manager

**Timeframe for**

**Completion:** Ongoing; Years 1-5

**Priority Level:** 6

**JURISDICTION: Moline Community School District**

**Action Considered:** Continue to promote and educate on proper hand washing practices for students and staff.

STAPLEE Criteria	S Social		T Technical			A Administrative		P Political			L Legal		E Economic			E Environment								
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws	
Considerations →																								
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Comments:** This is already done within the schools.  
**Benefit:** Proper hand washing reduced the spread of infectious disease.  
**Cost/Funding Source:** No additional costs. Staff Time  
**Responsible Party:** School Nurses  
**Timeframe for Completion:** Ongoing  
**Priority Level:** 1

**Action Considered:** Work with Rock Island County Emergency Management to identify the hazardous substances near schools and create shelter in place or evacuation plans as needed.

STAPLEE Criteria	S Social		T Technical			A Administrative		P Political			L Legal		E Economic			E Environment								
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws	
Considerations →																								
For Alternative Actions ↓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	NA	+	NA	+	+	+	+

**Comments:** Will coordinate with Rock Island County EMA  
Helps the school district be more aware of their vulnerabilities to hazardous substances near their schools. Planning ahead will help reduce time to respond to a hazardous material incident.  
**Benefit:**  
**Cost/Funding Source:** No additional costs. Staff Time  
**Responsible Party:** Director of Operations  
**Timeframe for Completion:** Year 1-2  
**Priority Level:** 2

**Action Considered:** Construct safe rooms in new or substantially expanded school buildings as financially feasible.

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal		E Economic			E Environment						
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →  For Alternative Actions ↓	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	-	+	N/A	N/A	+	+

**Comments:** For new and substantially expanded buildings only  
**Benefit:** Live saving measure  
 Depends on the number of students and staff in building. Mitigation Funding (75% FEMA/ 25% Local)  
**Cost/Funding Source:** Local)  
**Responsible Party:** Director of Operations  
**Timeframe for Completion:** As projects are discussed.  
**Priority Level:** 3

**JURISDICTION: Orion School District**

**Action Considered:** Install backup generators at Orion High School, Orion Middle School, and Orion Elementary School.

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	+	NA	-	+	+	NA	+	NA	NA	NA	+	-	-	NA	NA	NA	NA	NA	NA

**Comments:** High School is a designated center for disaster relief intervention  
**Benefit:** Community members will have a place with power for shelter and food  
**Cost/Funding Source:** District funds generated by 1% sales tax revenue  
**Responsible Party:** Superintendent and Director of Maintenance  
**Timeframe for Completion:** One-Three years  
**Priority Level:** 1

**Action Considered:** Install safety grate on storm water pipe located at Orion Middle School.

STAPLEE Criteria	S Social		T Technical			A Administrative			P Political			L Legal			E Economic			E Environment					
	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
Considerations →																							
For Alternative Actions ↓	+	+	+	+	NA	NA	+	+	+	NA	+	NA	NA	NA	+	-	-	NA	NA	NA	NA	NA	NA

**Comments:** Large drainage ditch produces an amount of water pressure into pipe that is dangerous  
**Benefit:** Safety precaution will prevent injury to children playing in that retention area after rain  
**Cost/Funding Source:** District funds generated by 1% sales tax revenue  
**Responsible Party:** Superintendent and Director of Maintenance  
**Timeframe for Completion:** One year  
**Priority Level:** 2

**Action Considered:** Divert storm water runoff at Orion High School from adjacent farm field to designated retention area.

STAPLEE Criteria	S		T			A			P			L			E			E					
	Social		Technical			Administrative			Political			Legal			Economic			Environment					
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	NA	-	+	+	+	+	NA	NA	NA	+	-	-	NA	+	NA	NA	+	NA

**Comments:** Present runoff configuration washes out adjacent farmers land and causes loss to him  
**Benefit:** Reduces liability and promotes goodwill with neighbors who own land by the high school  
**Cost/Funding Source:** District funds generated by 1% sales tax revenue  
**Responsible Party:** Superintendent and Director of Maintenance  
**Timeframe for Completion:** One to three years  
**Priority Level:** 3

**Action Considered:** Construct safe room at Orion High School to provide shelter to vulnerable populations.

STAPLEE Criteria	S		T			A			P			L			E			E					
	Social		Technical			Administrative			Political			Legal			Economic			Environment					
Considerations →	Community Acceptance	Effect on Population Segment	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance/Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land/Water	Effect on Endangered Species	Effect on HAZMAT Sites	Consistent with Community and Environmental Goals	Consistent with Federal Laws
For Alternative Actions ↓	+	+	+	+	+	NA	-	+	+	NA	+	NA	NA	NA	+	-	-	+	NA	NA	NA	NA	NA

**Comments:** High School is a designated center for disaster relief intervention  
**Benefit:** Community members will have a place with power for shelter and food  
**Cost/Funding Source:** District funds generated by 1% sales tax revenue  
**Responsible Party:** Superintendent and Director of Maintenance  
**Timeframe for Completion:** Three to five years  
**Priority Level:** 4



**APPENDIX 5-1 ANNUAL REPORT UPDATE FORM**

DRAFT



**ROCK ISLAND COUNTY HAZARD MITIGATION PLAN  
ANNUAL UPDATE**

REPORTING PERIOD: APRIL 1, \_\_\_\_\_ TO MARCH 31, \_\_\_\_\_

JURISDICTION:  
\_\_\_\_\_

CONTACT INFORMATION:

Name/Title: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Phone: \_\_\_\_\_

**SECTION 1: PLAN INCORPORATION**

Did your jurisdiction attend the annual planning committee meeting? (Y/N) \_\_\_\_\_

Has the hazard mitigation plan been incorporated into any new planning or land use documents? If yes, please list.


Has the hazard mitigation plan been incorporated into any new zoning documents? If yes, please list.


Has the hazard mitigation plan been incorporated into any new building code documents? If yes, please list.


Has the hazard mitigation plan been incorporated into any grant applications? If yes, please list.


Has any grant funding been received based on mitigation actions? If yes, please list (with amount received).


**(OVER)** →

**SECTION 2: MITIGATION ACTIONS**

Has your jurisdiction completed any mitigation actions? If yes, please list.


Has your jurisdiction added any mitigation actions? If yes, please list.


**SECTION 3: PUBLIC INVOLVEMENT**

How has your jurisdiction kept the public involved with the hazard mitigation plan? Please list.


Has your jurisdiction conducted any public education? If yes, please list.


**FORM MUST BE SUBMITTED NO LATER THAN APRIL 30TH.**

**SUBMIT FORM TO:**