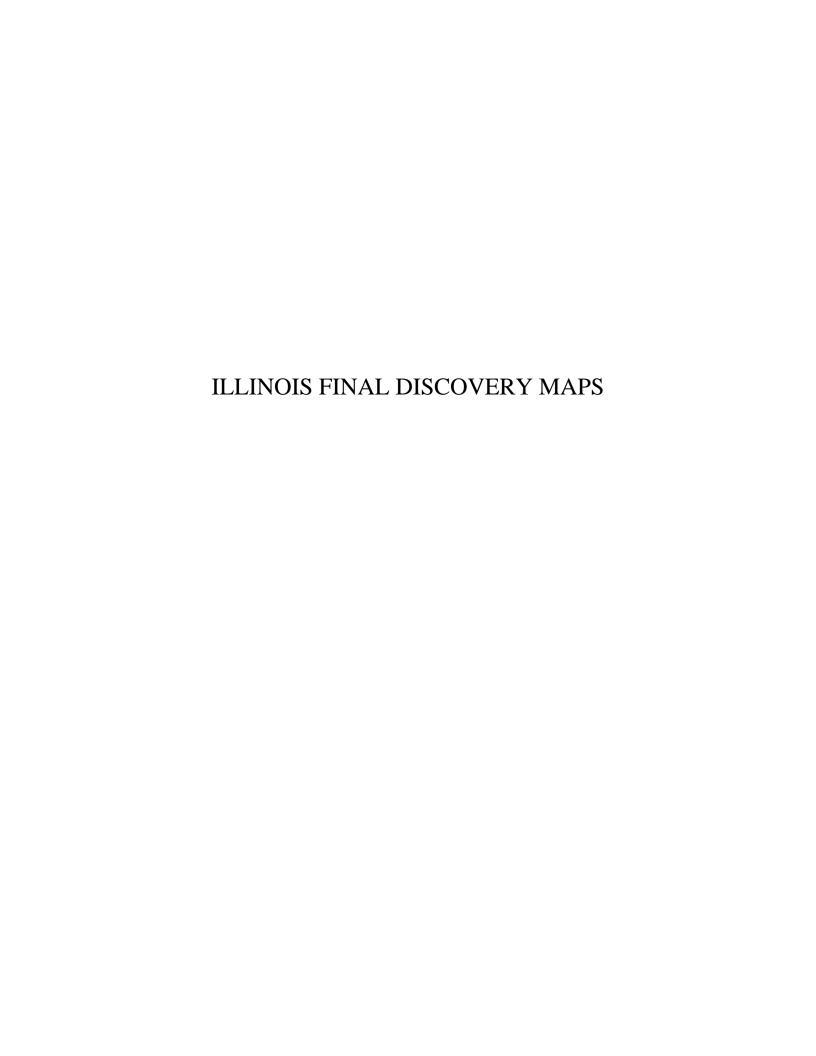
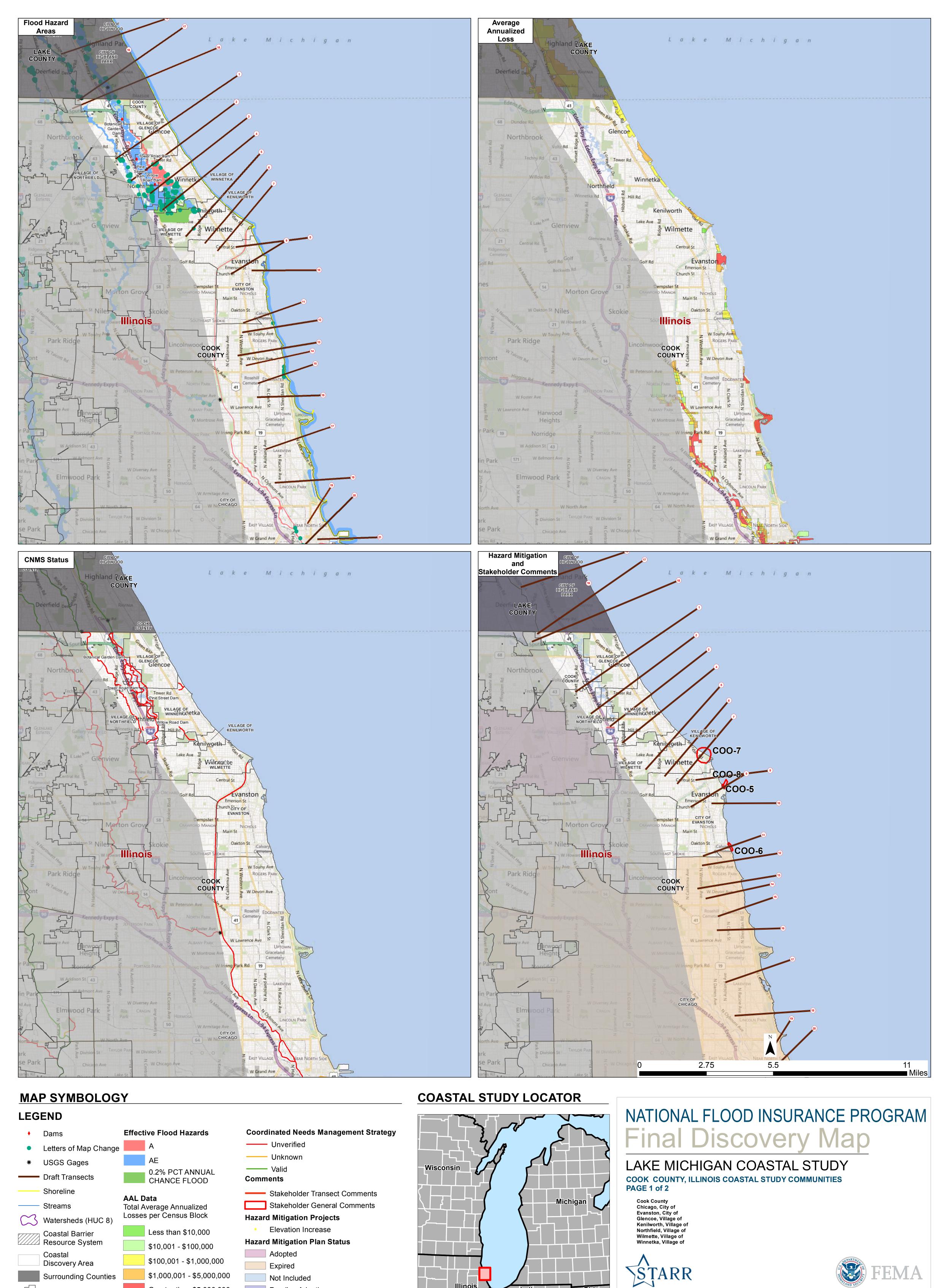
APPENDIX R Final Discovery Maps (Alphabetical Order by State and County Name)





Indiana

Surrounding Counties

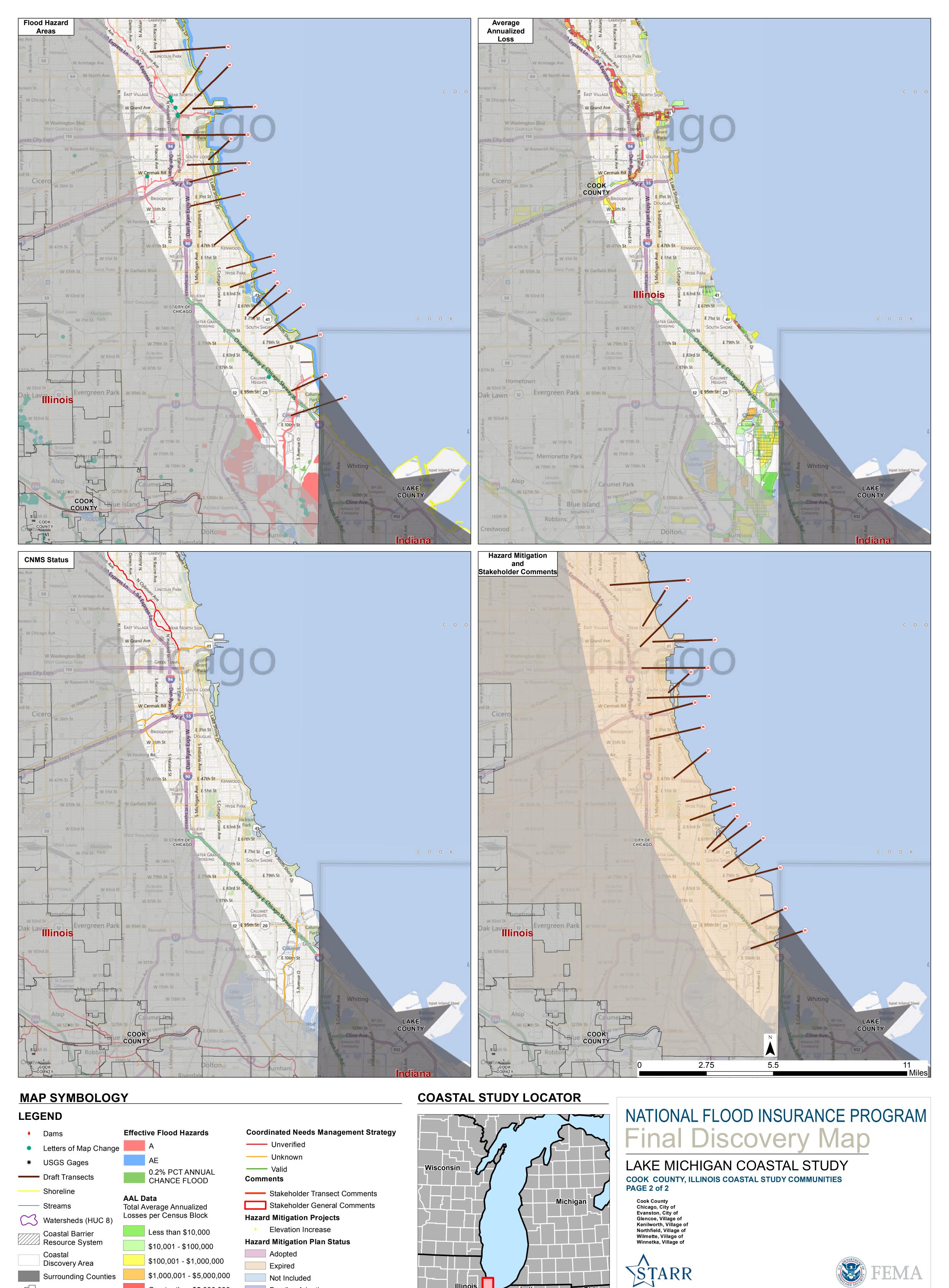
Municipal Boundaries

\$1,000,001 - \$5,000,000

Greater than \$5,000,000

Not Included

Pending Adoption



Indiana

Surrounding Counties

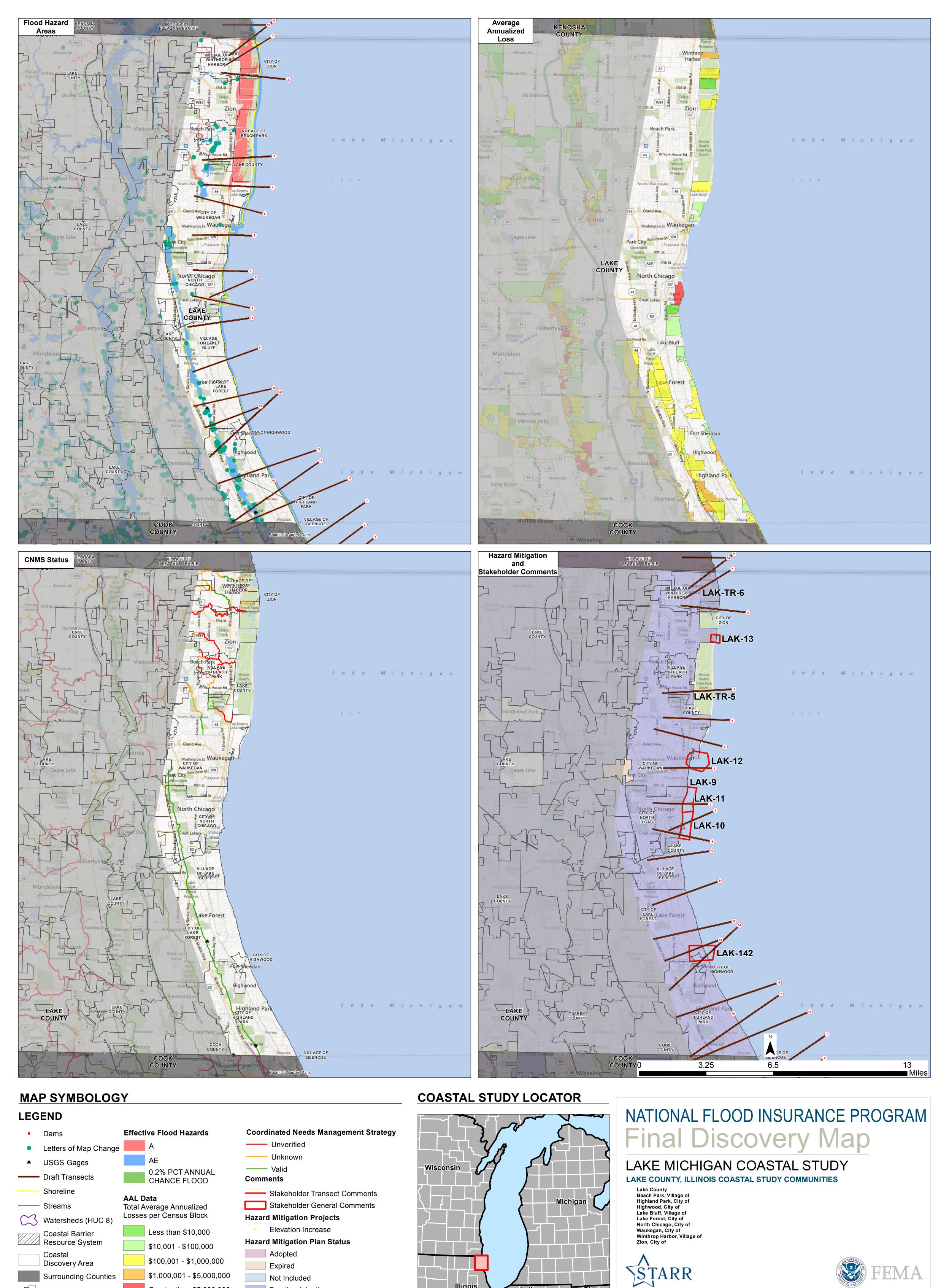
Municipal Boundaries

\$1,000,001 - \$5,000,000

Greater than \$5,000,000

Not Included

Pending Adoption



Ohio

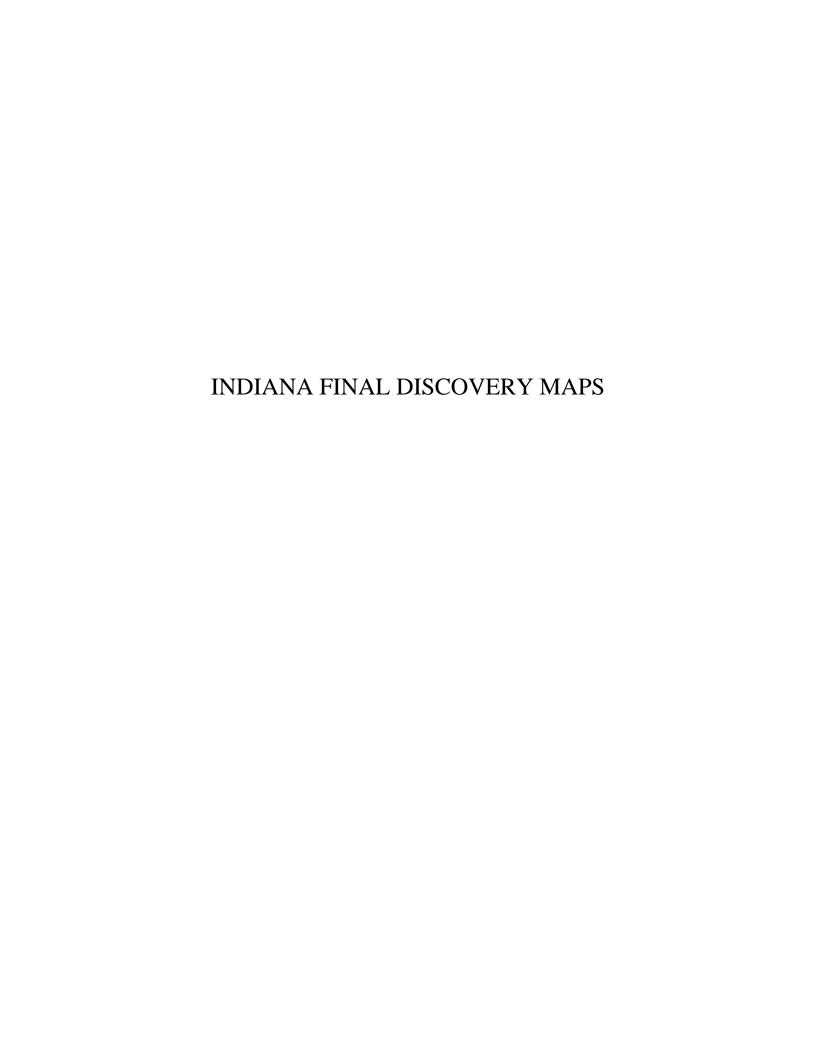
Indiana

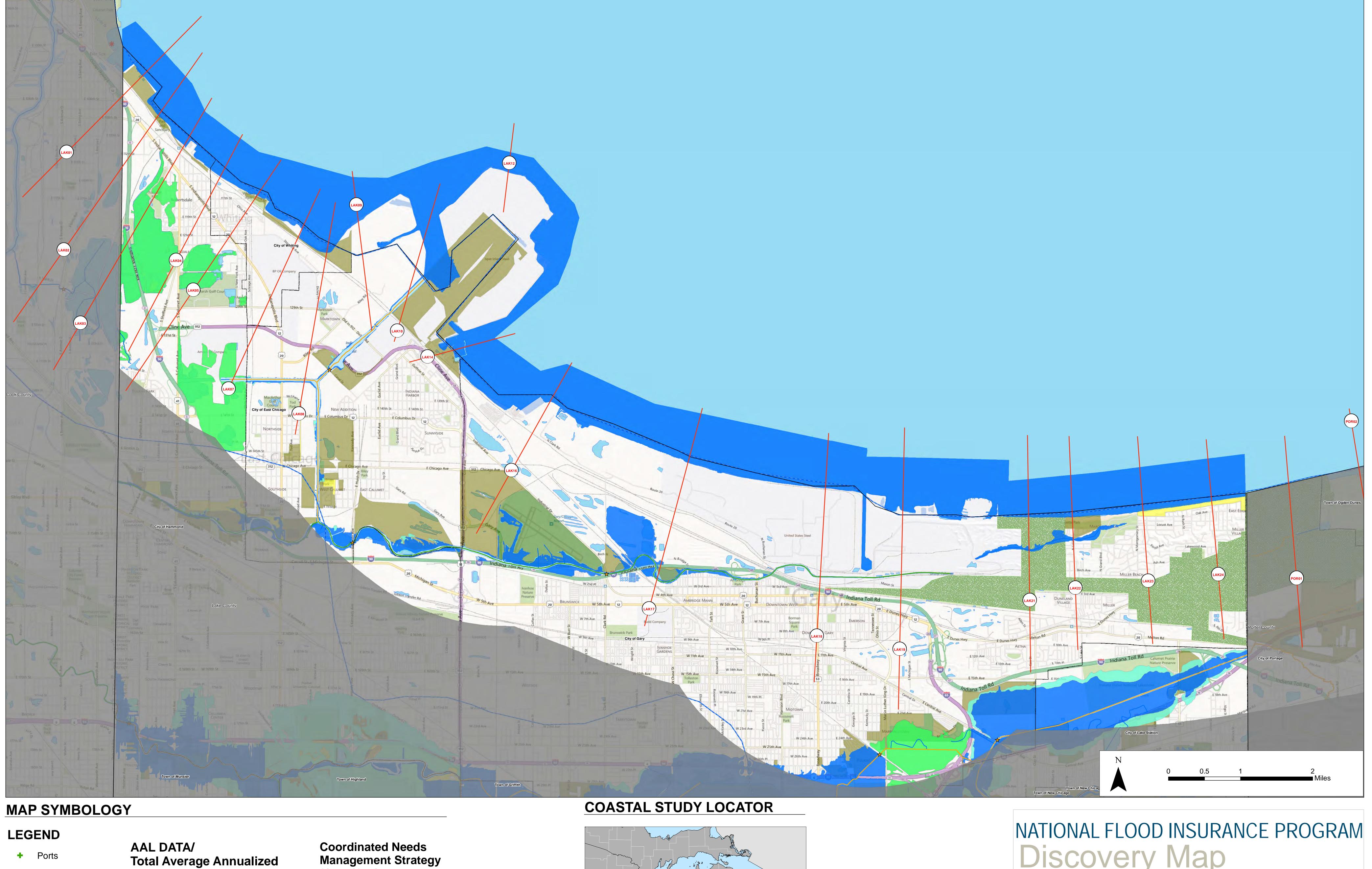
Not Included

Pending Adoption

Greater than \$5,000,000

Municipal Boundaries





Dams

★ USGS Gages

* Wave Gages

Stream/River

Watershed

Waterbody

Federal Lands

County Boundary

Municipal Boundary

Losses per Census Block

\$1,000 - \$100,000 \$100,001 - \$250,000

\$250,001 - \$750,000 \$750,001 - \$2,000,000

\$2,000,000+

Effective SFHA

0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Management Strategy (CNMS) - Status

---- UNVERIFIED

UNKNOWN

---- VALID

Comments

Stakeholder General Comments Stakeholder Transect Comments



Discovery Map

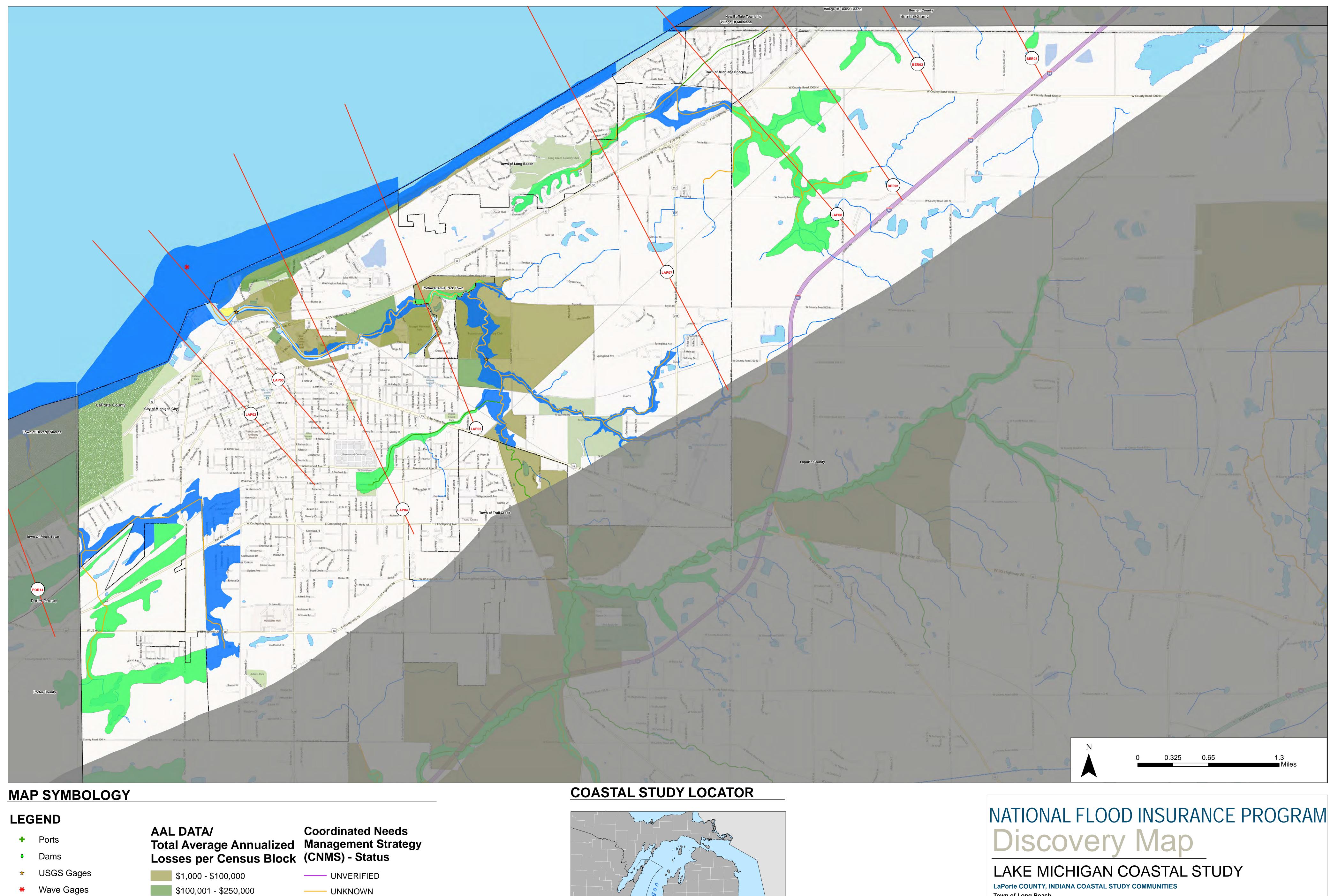
LAKE MICHIGAN COASTAL STUDY

LAKE COUNTY, INDIANA COASTAL STUDY COMMUNITIES City of East Chicago
City of Gary
City of Hammond
City of Lake Station

City of Whiting







---- Transects

Stream/River Watershed

Waterbody

Federal Lands

Municipal Boundary

County Boundary

DFIRM Floodplains (IN DNR)

\$250,001 - \$750,000

\$750,001 - \$2,000,000

AE

---- UNKNOWN

---- VALID

\$2,000,000+

Comments

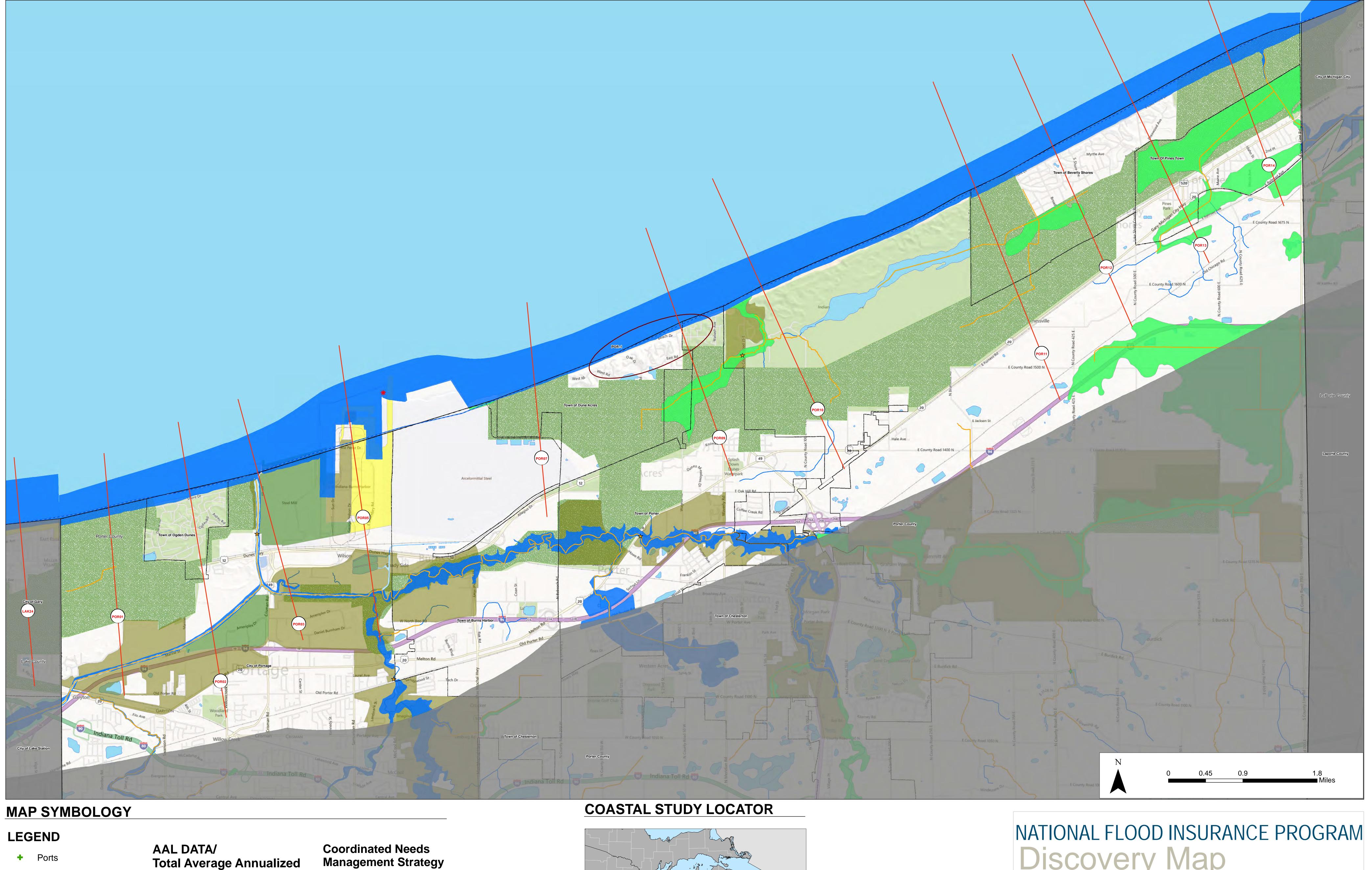
Stakeholder General Comments Stakeholder Transect Comments



LaPorte COUNTY, INDIANA COASTAL STUDY COMMUNITIES Town of Long Beach City of Michigan City City of Trail Creek







- Dams
- ★ USGS Gages
- * Wave Gages ---- Transects
- Stream/River
- Watershed
- Waterbody

Federal Lands Municipal Boundary

County Boundary

Total Average Annualized Losses per Census Block

- \$1,000 \$100,000
- \$100,001 \$250,000 \$250,001 - \$750,000
- \$750,001 \$2,000,000
- \$2,000,000+

DFIRM Floodplains (IN DNR)

Comments

Stakeholder General Comments Stakeholder Transect Comments

(CNMS) - Status

---- UNVERIFIED

---- UNKNOWN

---- VALID



Discovery Map

LAKE MICHIGAN COASTAL STUDY

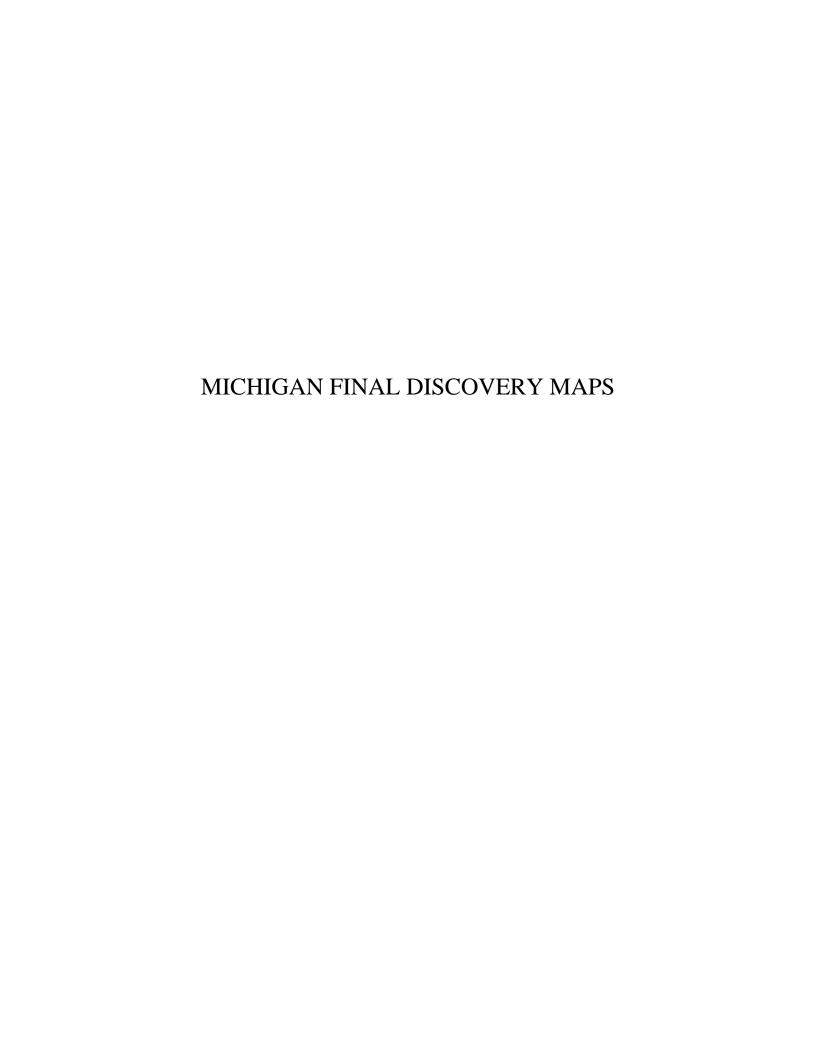
PORTER COUNTY, INDIANA COASTAL STUDY COMMUNITIES

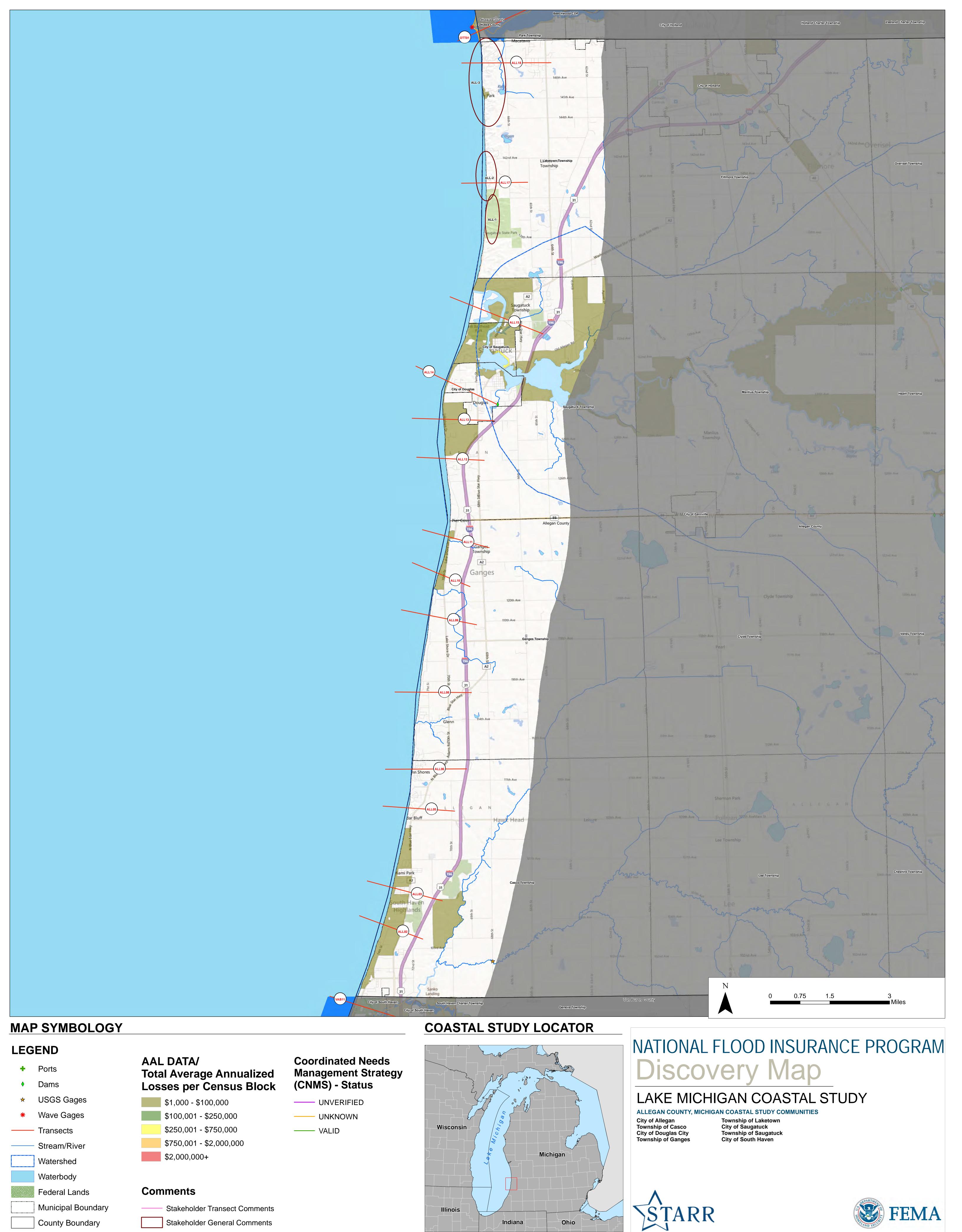
Town of Beverly Shores
Town of Chesterton
Town of Dune Acres
Town of Ogden Dunes
City of Portage
Town of Porter
Town of Pines

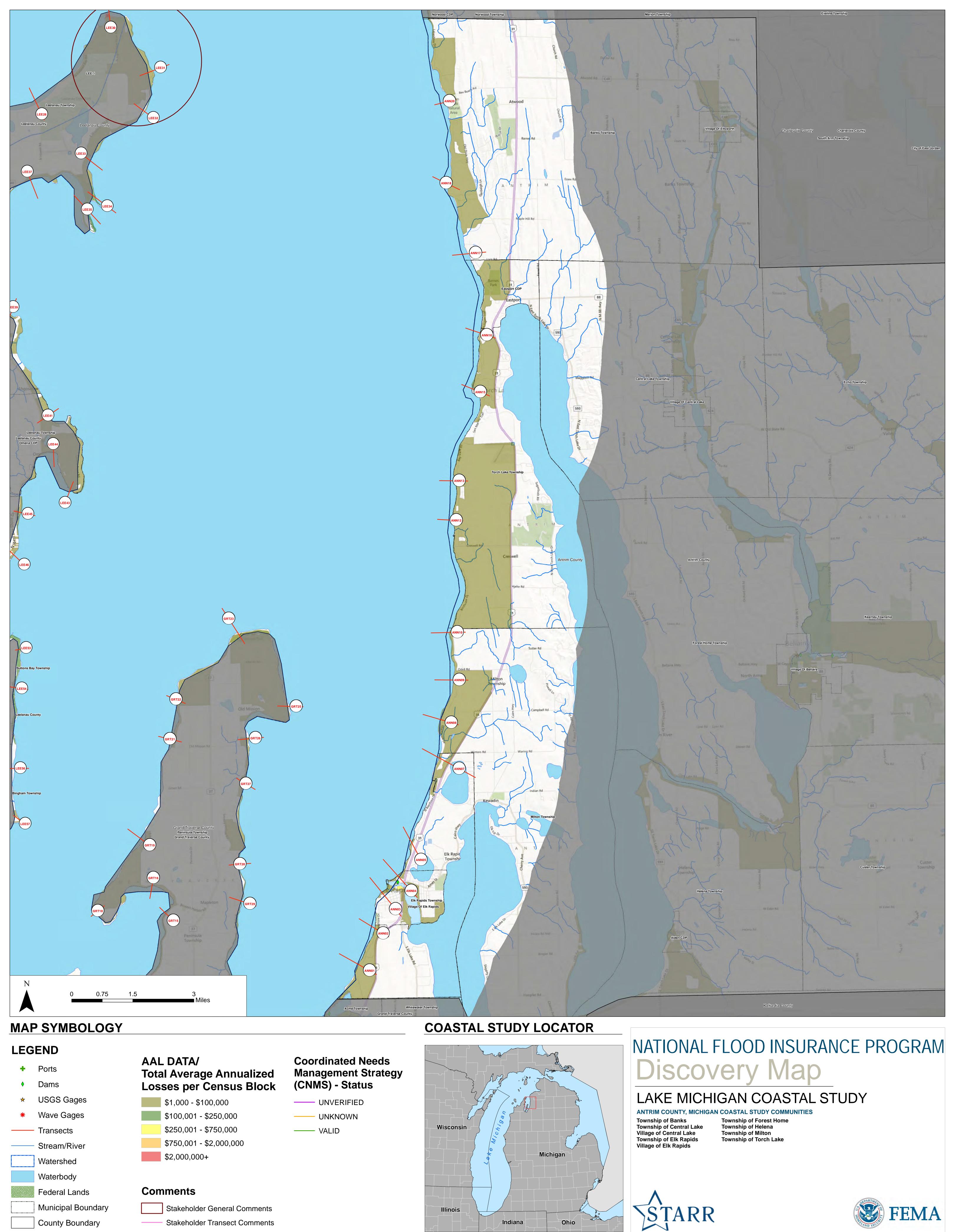
Town of Burns Harbor







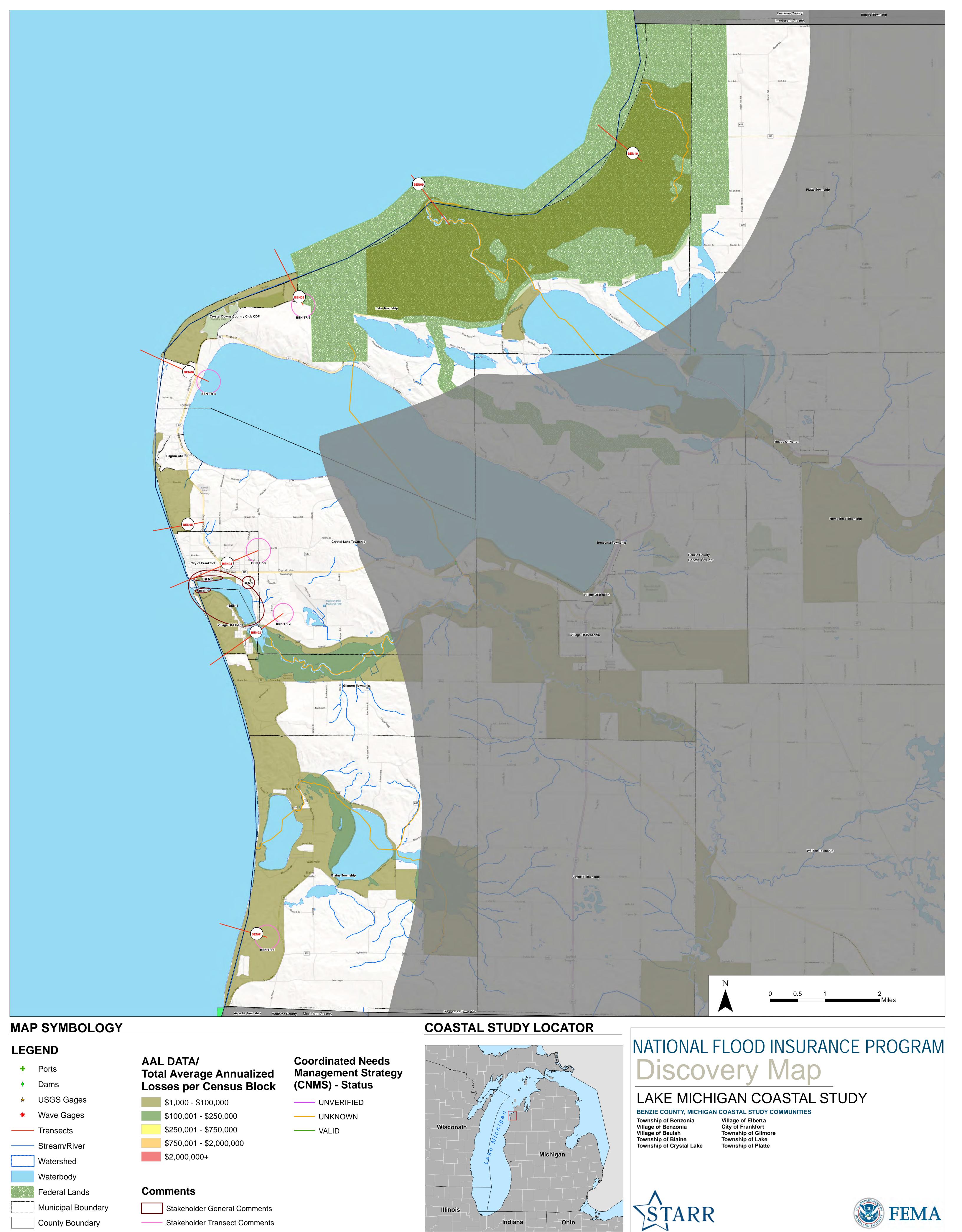




Indiana

County Boundary

Stakeholder Transect Comments

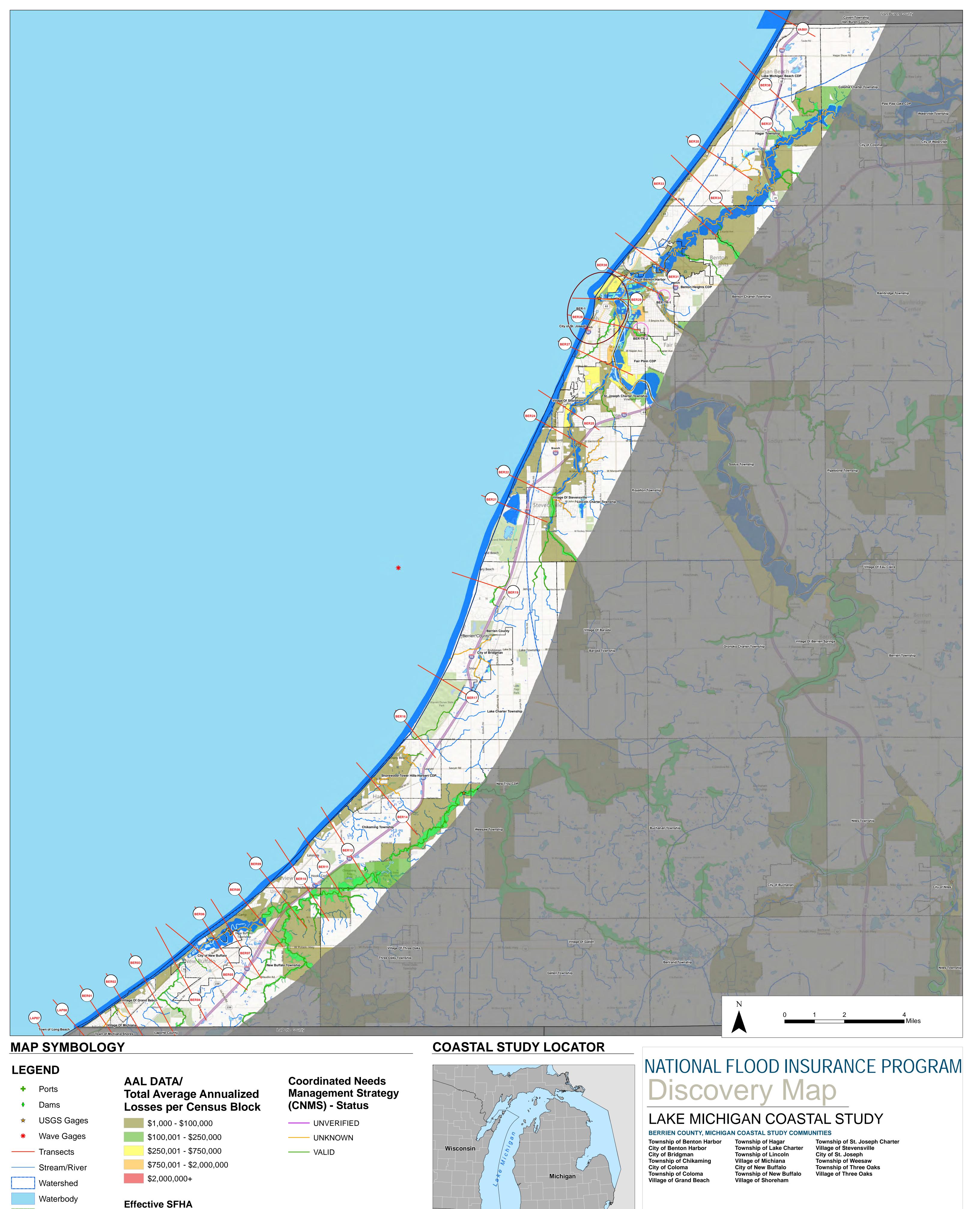


Ohio

Indiana

County Boundary

Stakeholder Transect Comments



Comments

0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Stakeholder General Comments

Stakeholder Transect Comments

Illinois

Federal Lands

Municipal Boundary

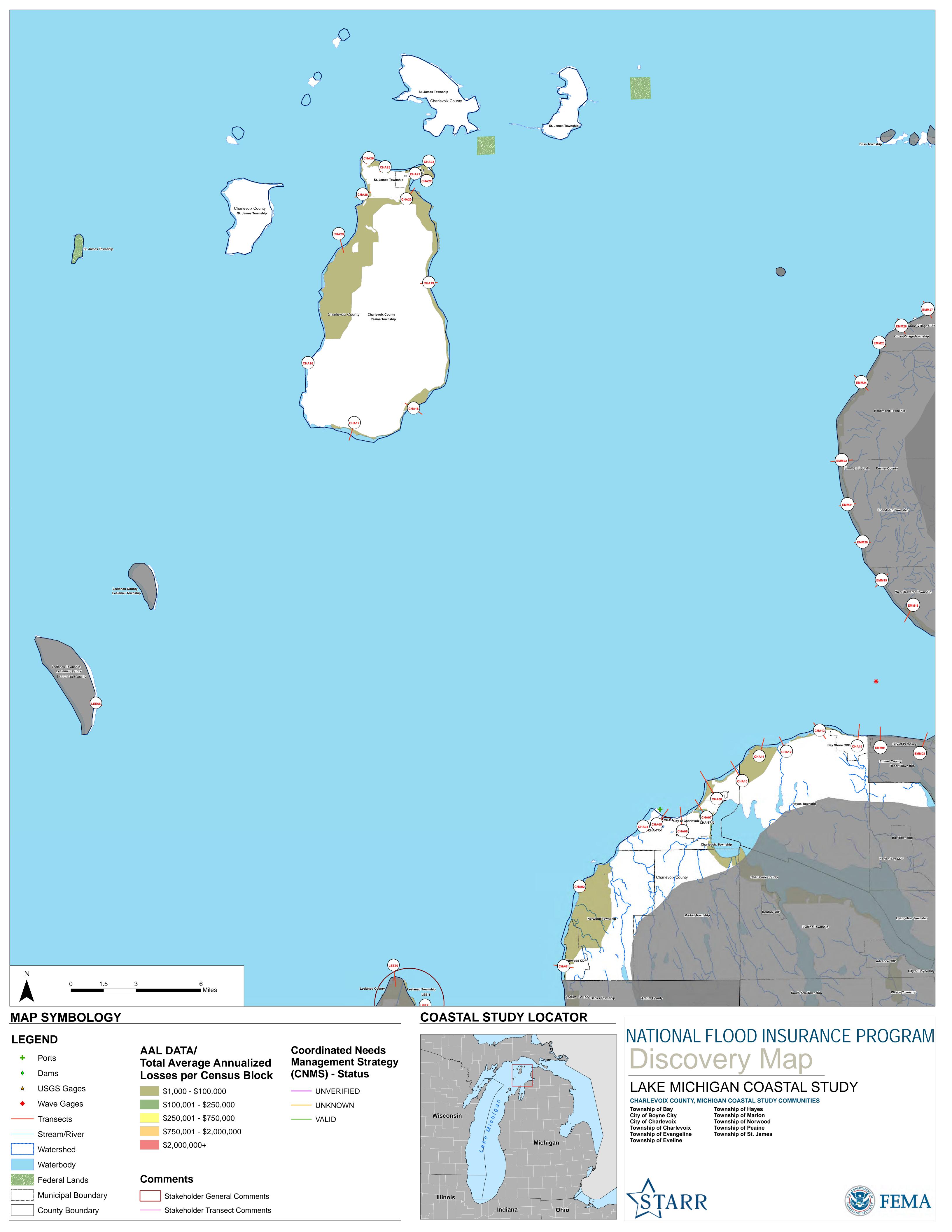
County Boundary

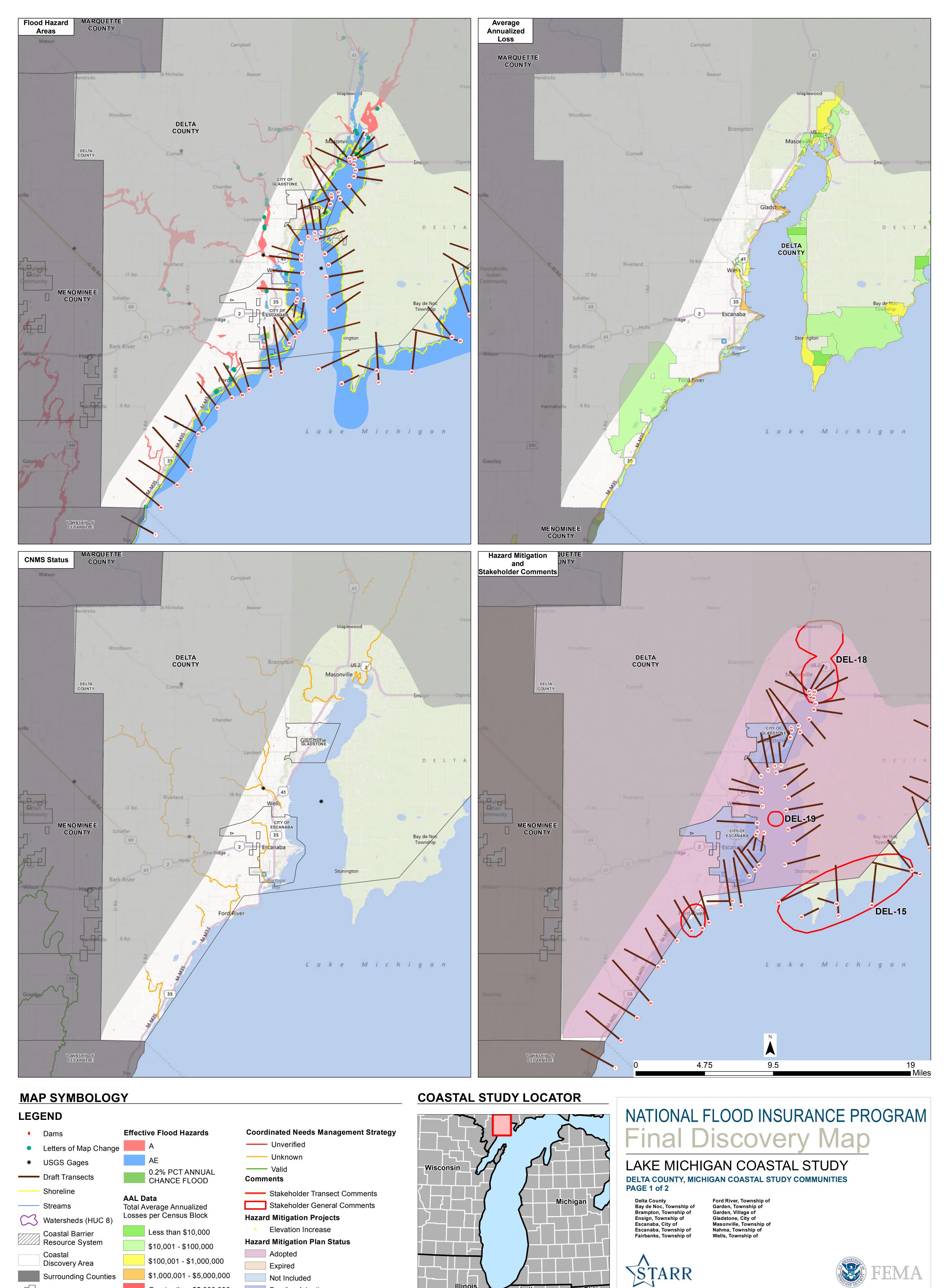
STARR

Ohio

Indiana







Indiana

Expired

Not Included

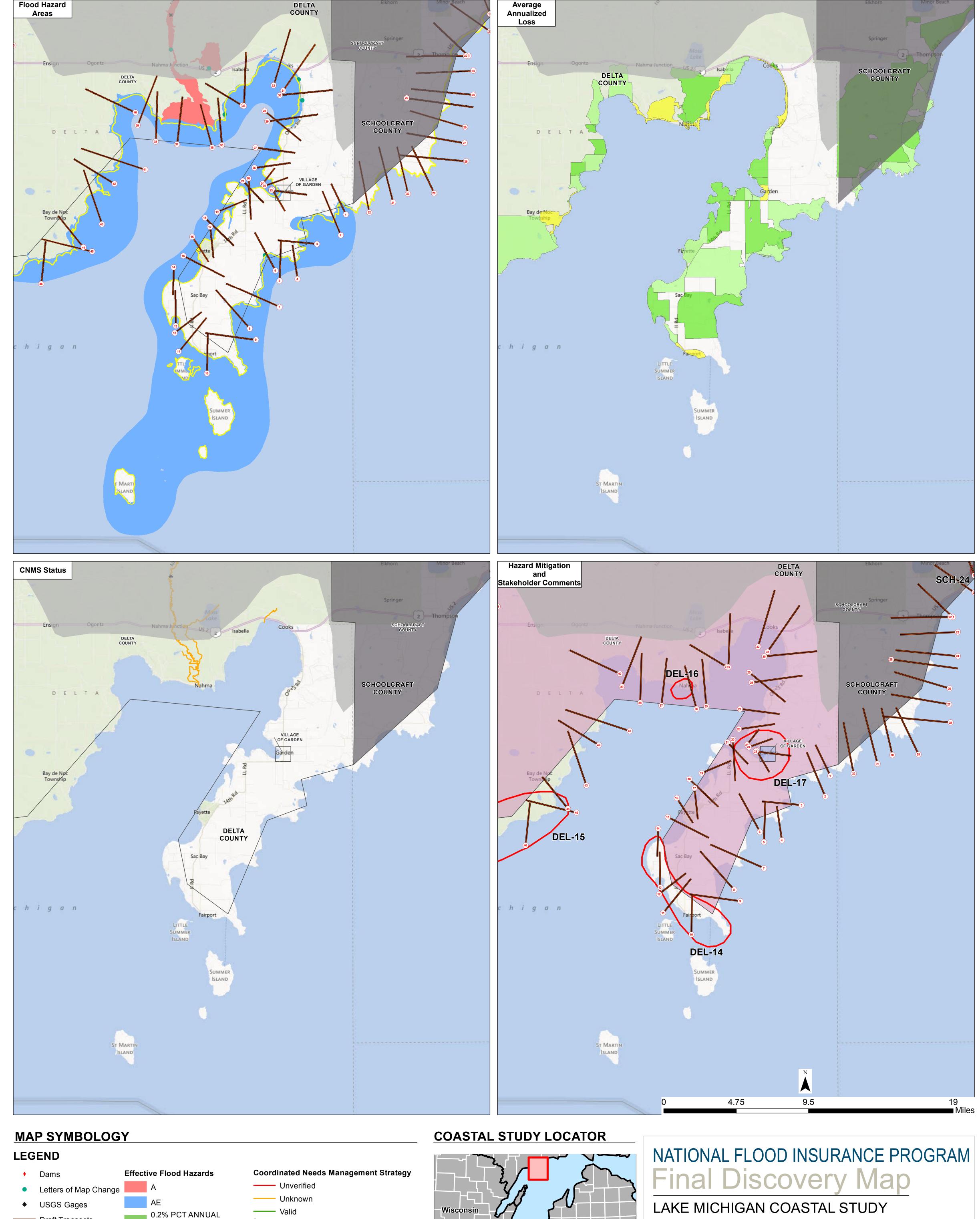
Pending Adoption

\$1,000,001 - \$5,000,000

Greater than \$5,000,000

Surrounding Counties

Municipal Boundaries



Draft Transects

Coastal Barrier

Discovery Area

Resource System

Watersheds (HUC 8)

Surrounding Counties

Municipal Boundaries

Shoreline

Streams

Coastal

CHANCE FLOOD

Less than \$10,000

\$10,001 - \$100,000

\$100,001 - \$1,000,000

\$1,000,001 - \$5,000,000

Greater than \$5,000,000

Total Average Annualized Losses per Census Block

AAL Data

Comments

Stakeholder Transect Comments

Stakeholder General Comments

Hazard Mitigation Projects

Adopted

Expired

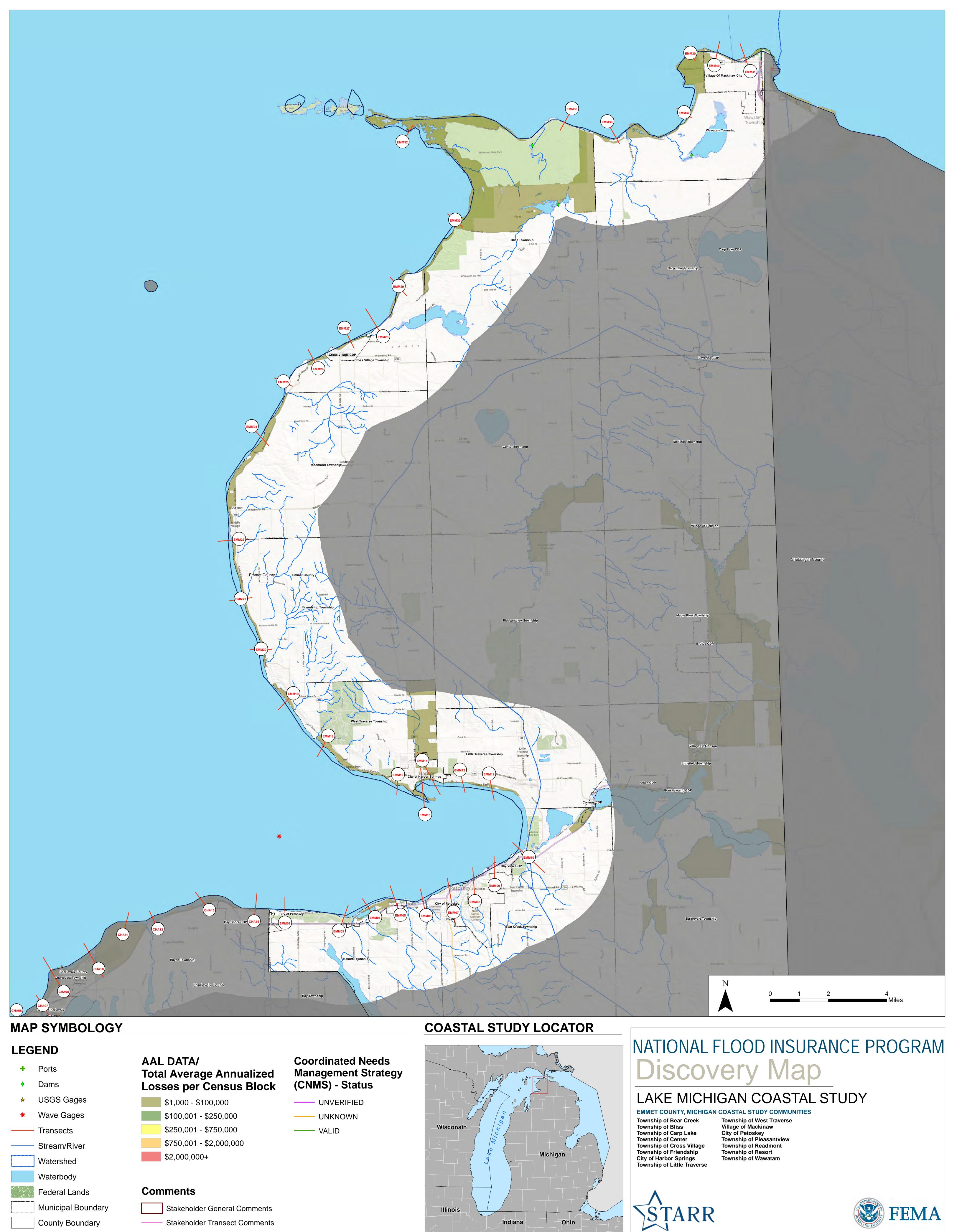
Not Included

Pending Adoption

Elevation Increase

Hazard Mitigation Plan Status

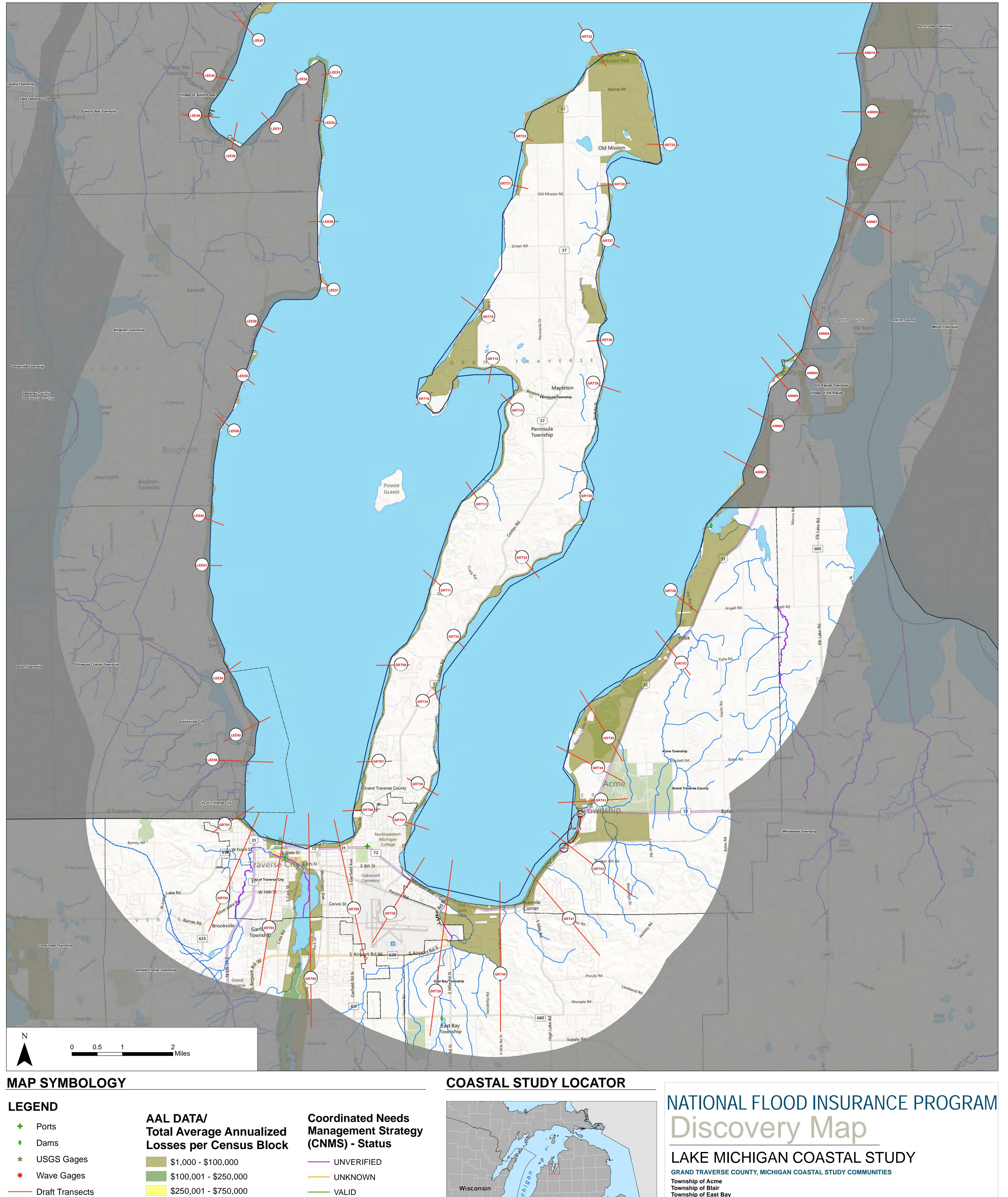
LAKE MICHIGAN COASTAL STUDY **DELTA COUNTY, MICHIGAN COASTAL STUDY COMMUNITIES** PAGE 2 of 2 Delta County Bay de Noc, Township of Ford River, Township of Garden, Township of Michigan Brampton, Township of Garden, Village of Ensign, Township of Gladstone, City of Escanaba, City of Masonville, Township of Escanaba, Township of Nahma, Township of Fairbanks, Township of Wells, Township of STARR Illinois Ohio Indiana



Indiana

County Boundary

Stakeholder Transect Comments



- Stream/River
- Watershed
- Waterbody
- Federal Lands

Municipal Boundary County Boundary

\$750,001 - \$2,000,000 \$2,000,000+

Comments

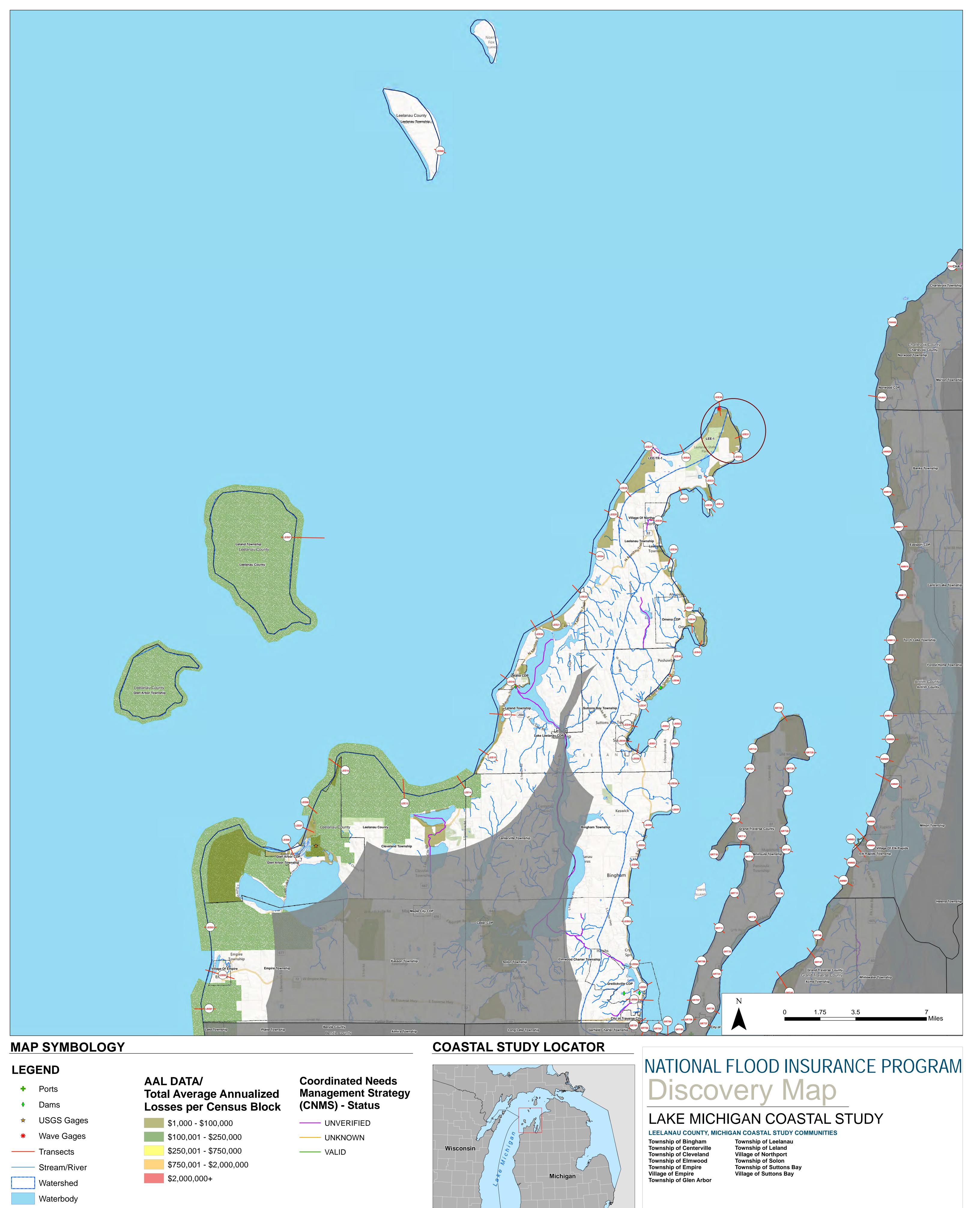
Stakeholder General Comments Stakeholder Transect Comments

Michigan Illinois Ohio Indiana

Township of Achie
Township of Blair
Township of East Bay
Township of Garfield
Township of Peninsula
City of Traverse City
Township of White Water







Comments

Stakeholder General Comments

Stakeholder Transect Comments

Federal Lands

Municipal Boundary

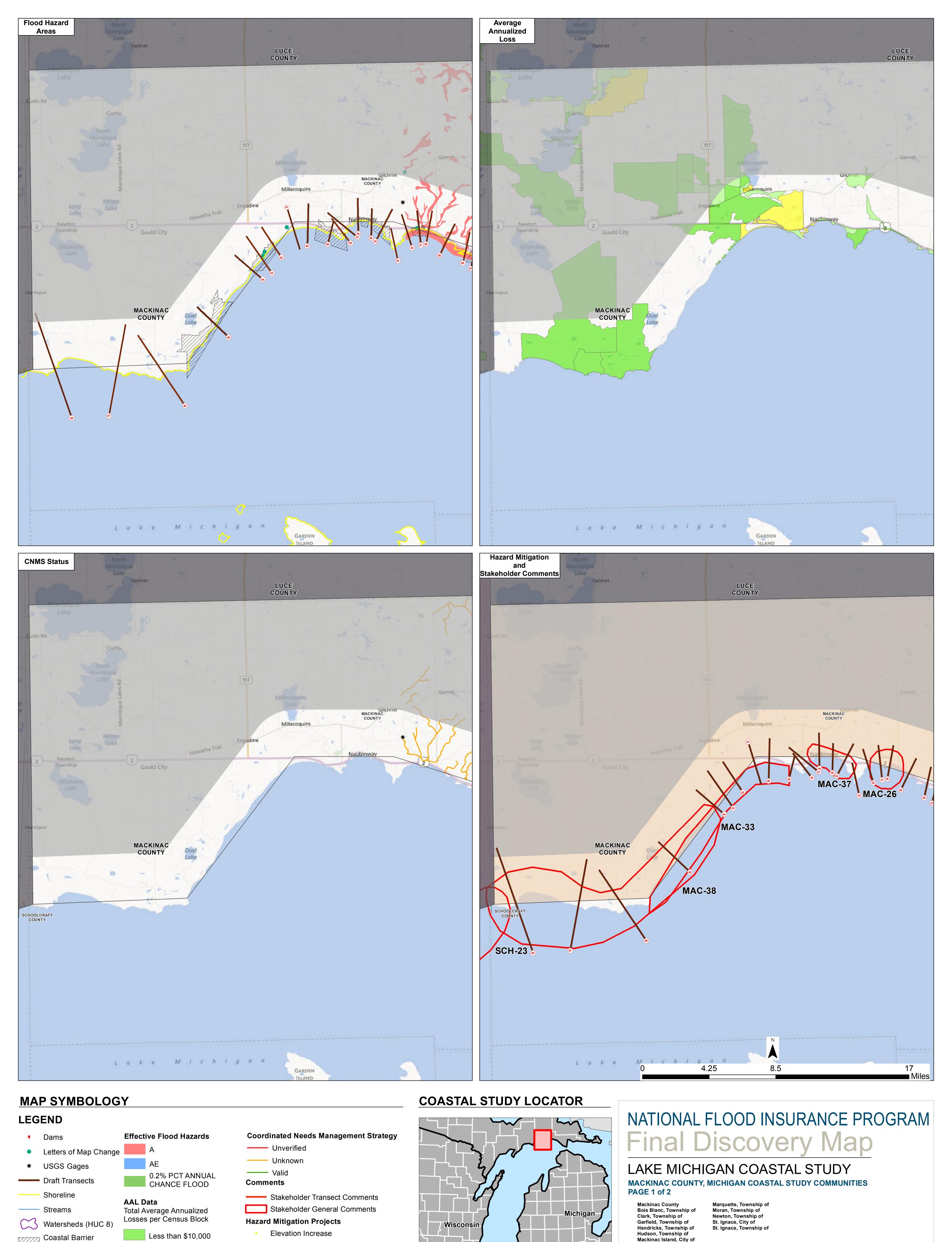
County Boundary

STARR

Ohio

Indiana

FEMA



Resource System

Discovery Area

Surrounding Counties

Municipal Boundaries

Coastal

\$10,001 - \$100,000

\$100,001 - \$1,000,000

\$1,000,001 - \$5,000,000

Greater than \$5,000,000

Hazard Mitigation Plan Status

Pending Adoption

Illinois

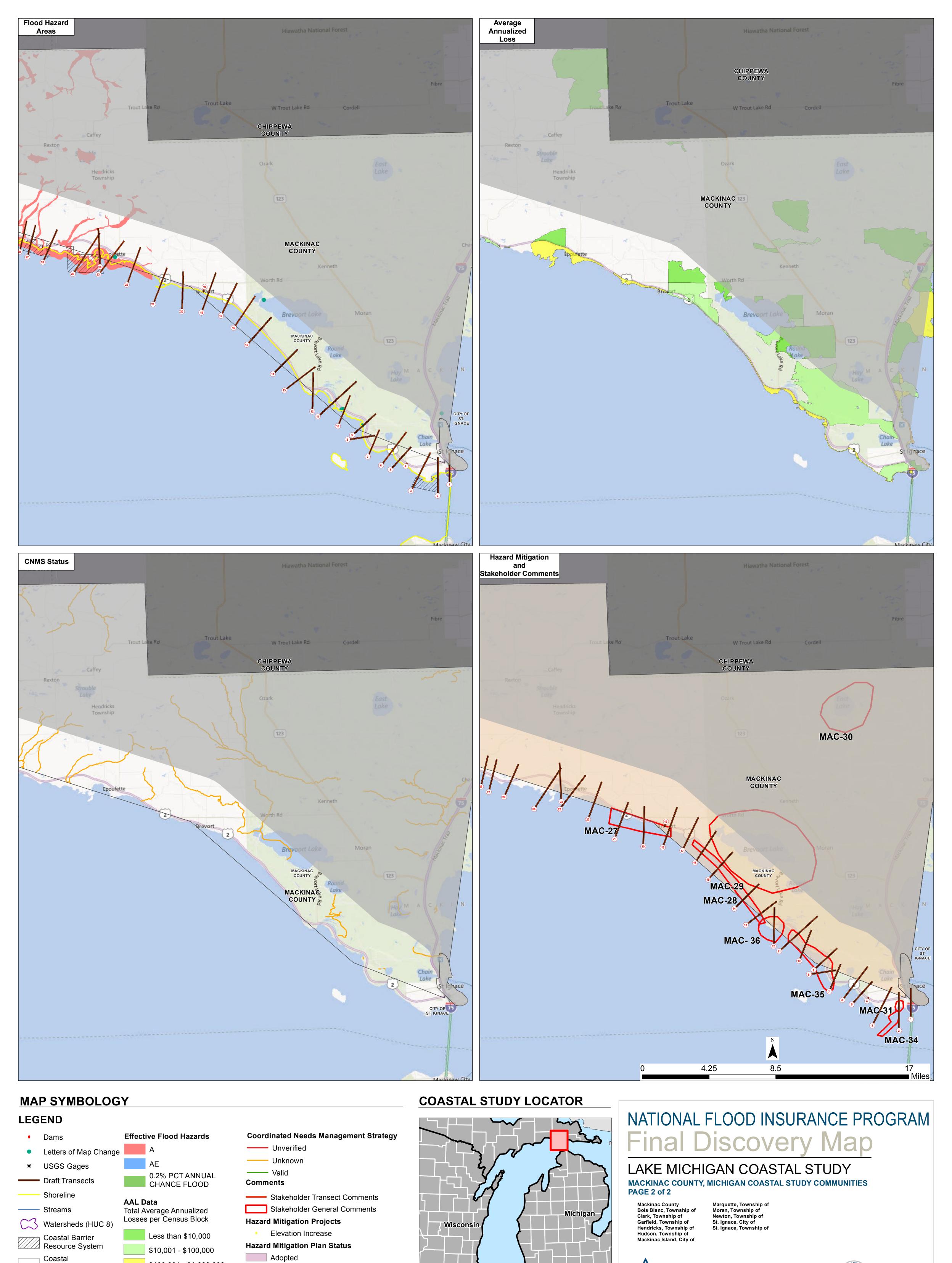
Adopted

Expired

Not Included

Mackinac Island, City of

STARR



STARR

\$100,001 - \$1,000,000

\$1,000,001 - \$5,000,000

Greater than \$5,000,000

Expired

Not Included

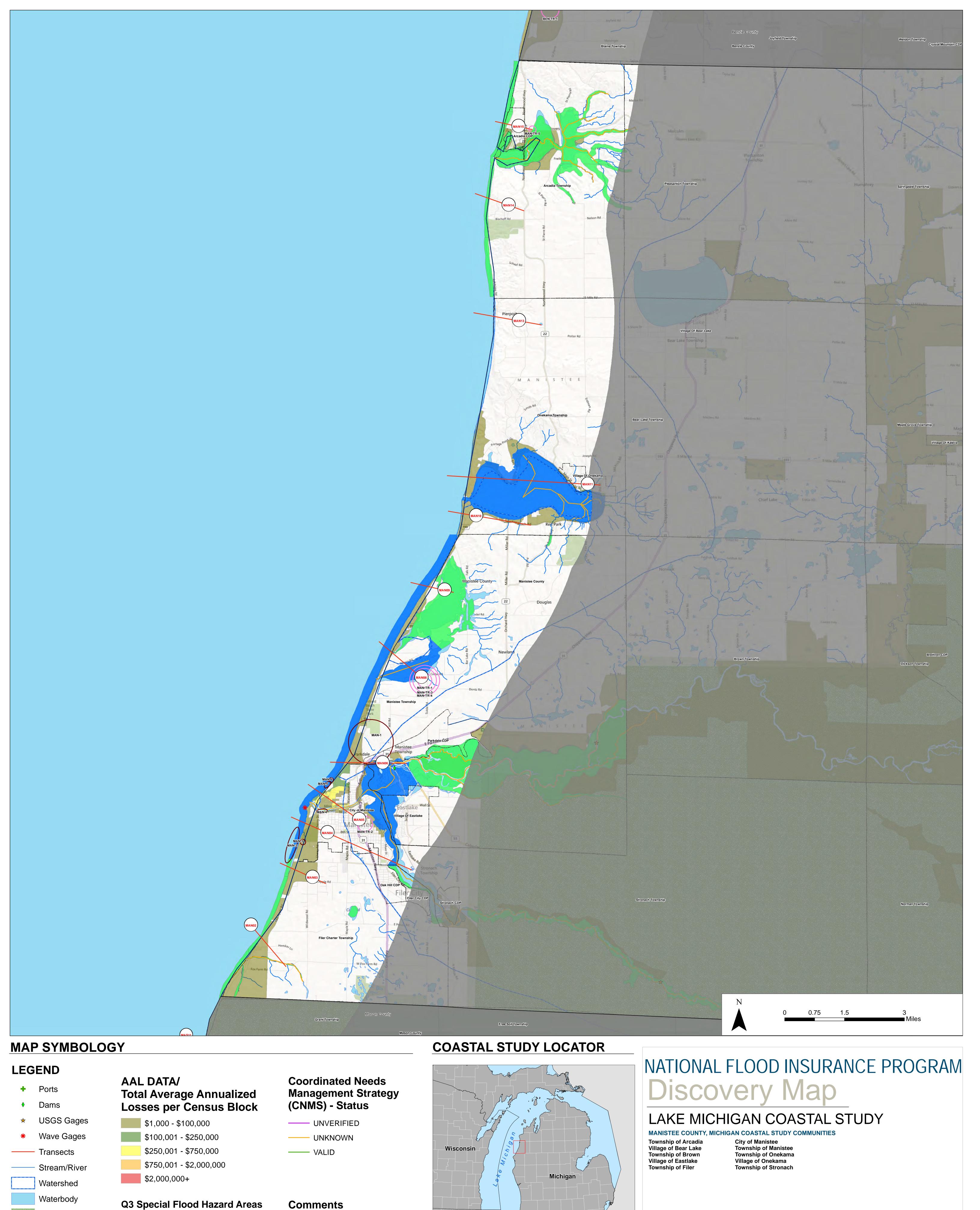
Pending Adoption

Illinois

Discovery Area

Surrounding Counties

Municipal Boundaries



Stakeholder General Comments

Stakeholder Transect Comments

Illinois

Federal Lands

Municipal Boundary

0.2 PCT ANNUAL CHANCE FLOOD HAZARD

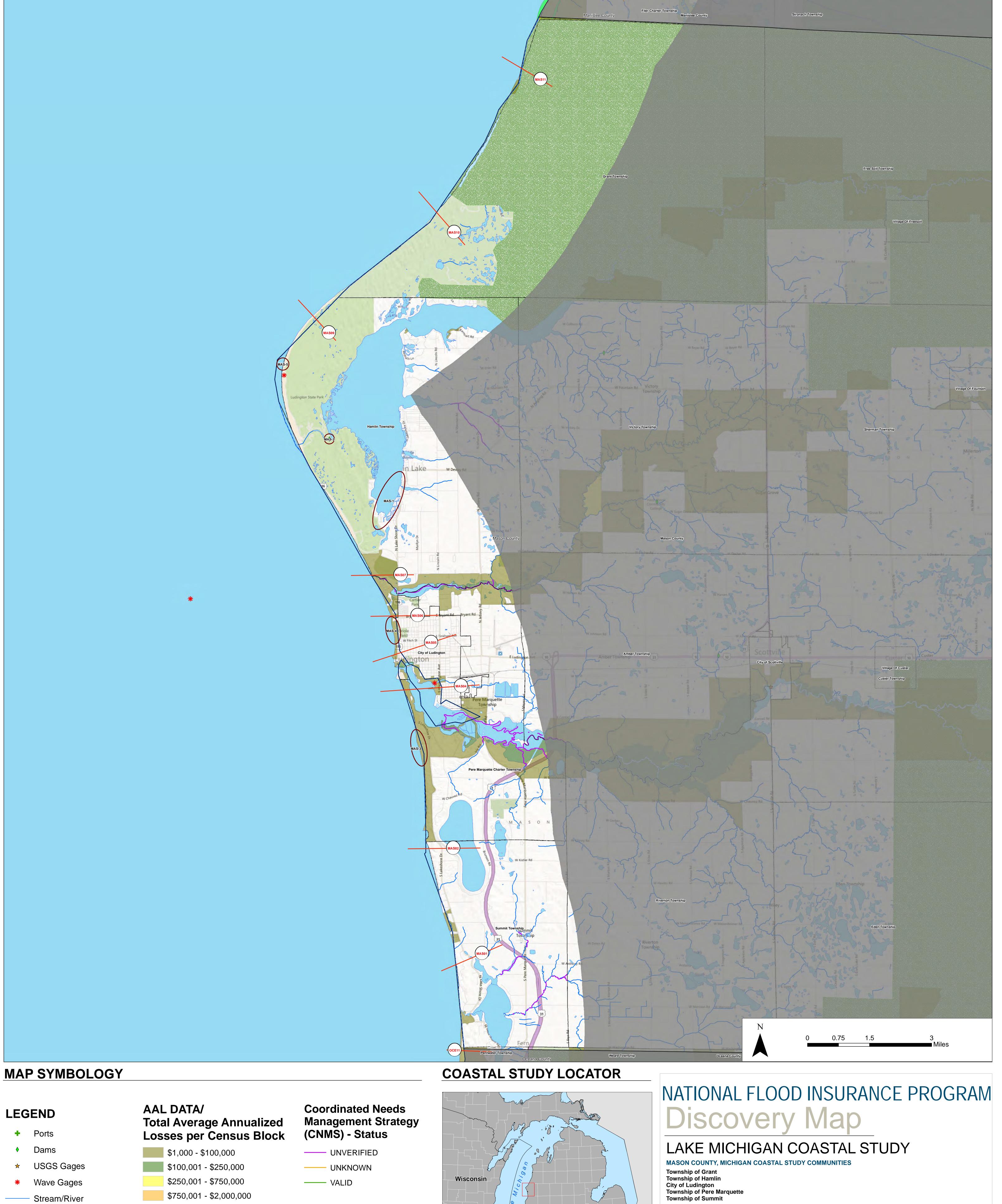
County Boundary

STARR

Ohio

Indiana

FEMA



- Watershed
- Waterbody

County Boundary

- Federal Lands Municipal Boundary
- \$750,001 \$2,000,000
- \$2,000,000+

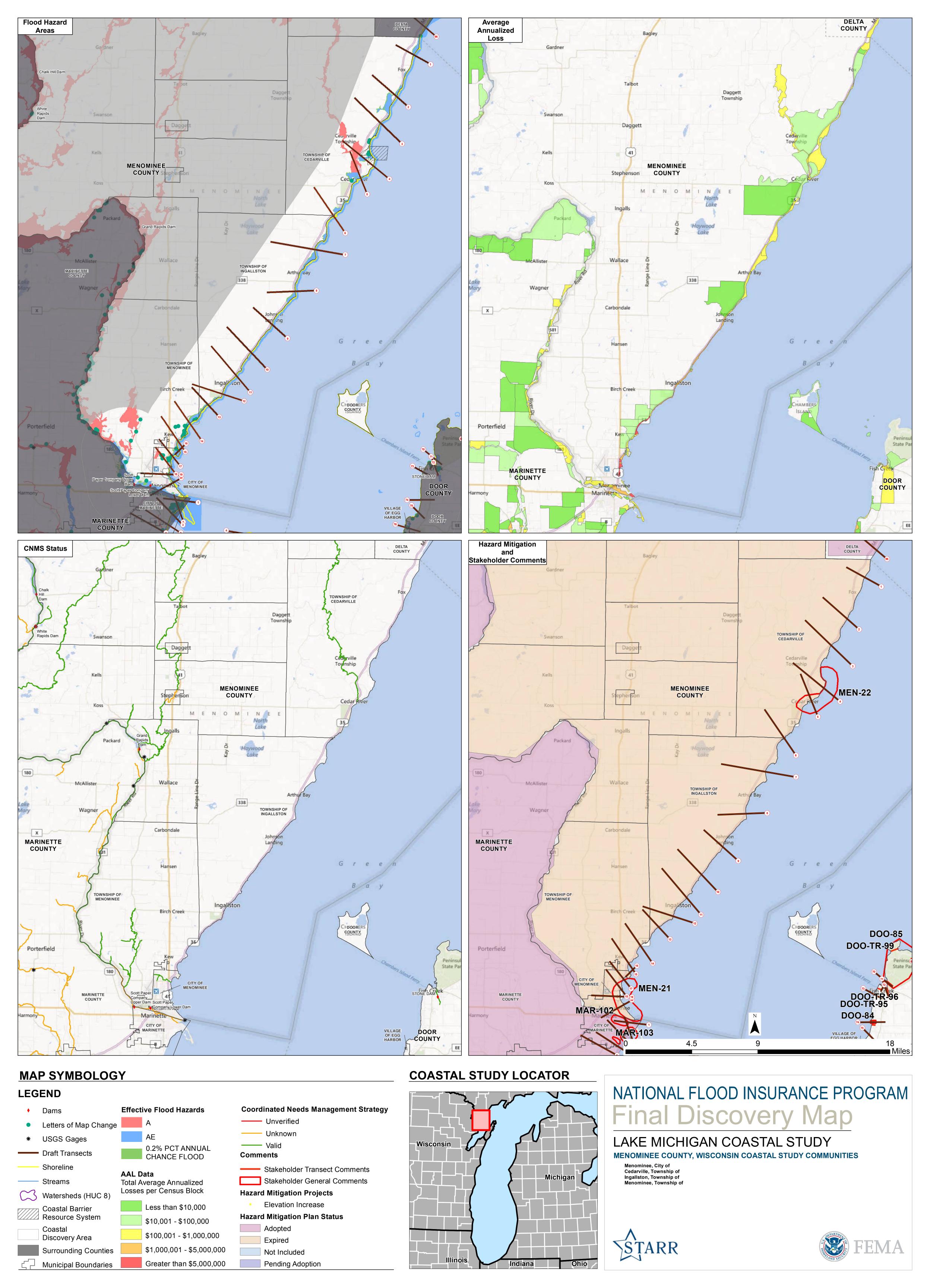
Comments

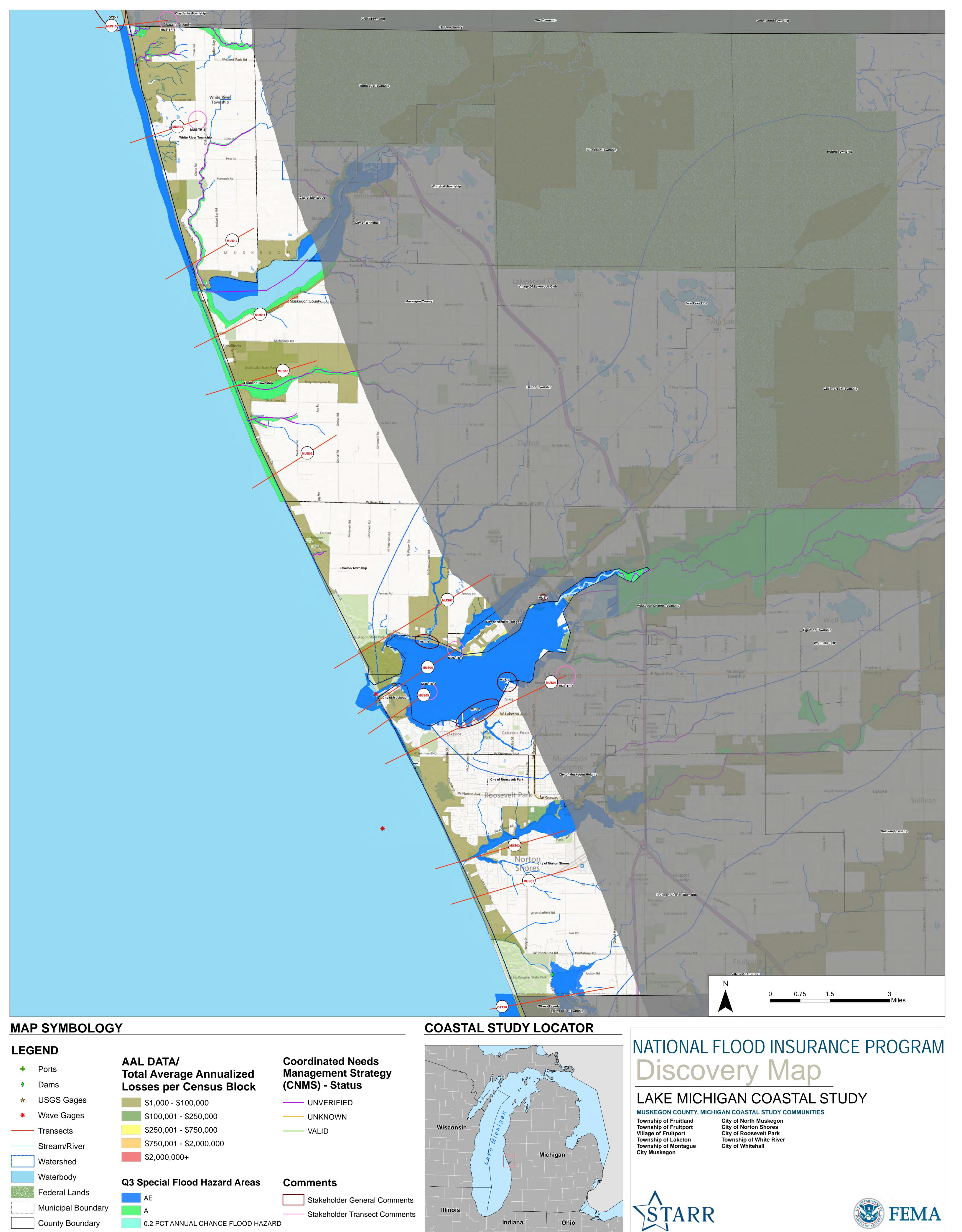
Stakeholder General Comments Stakeholder Transect Comments











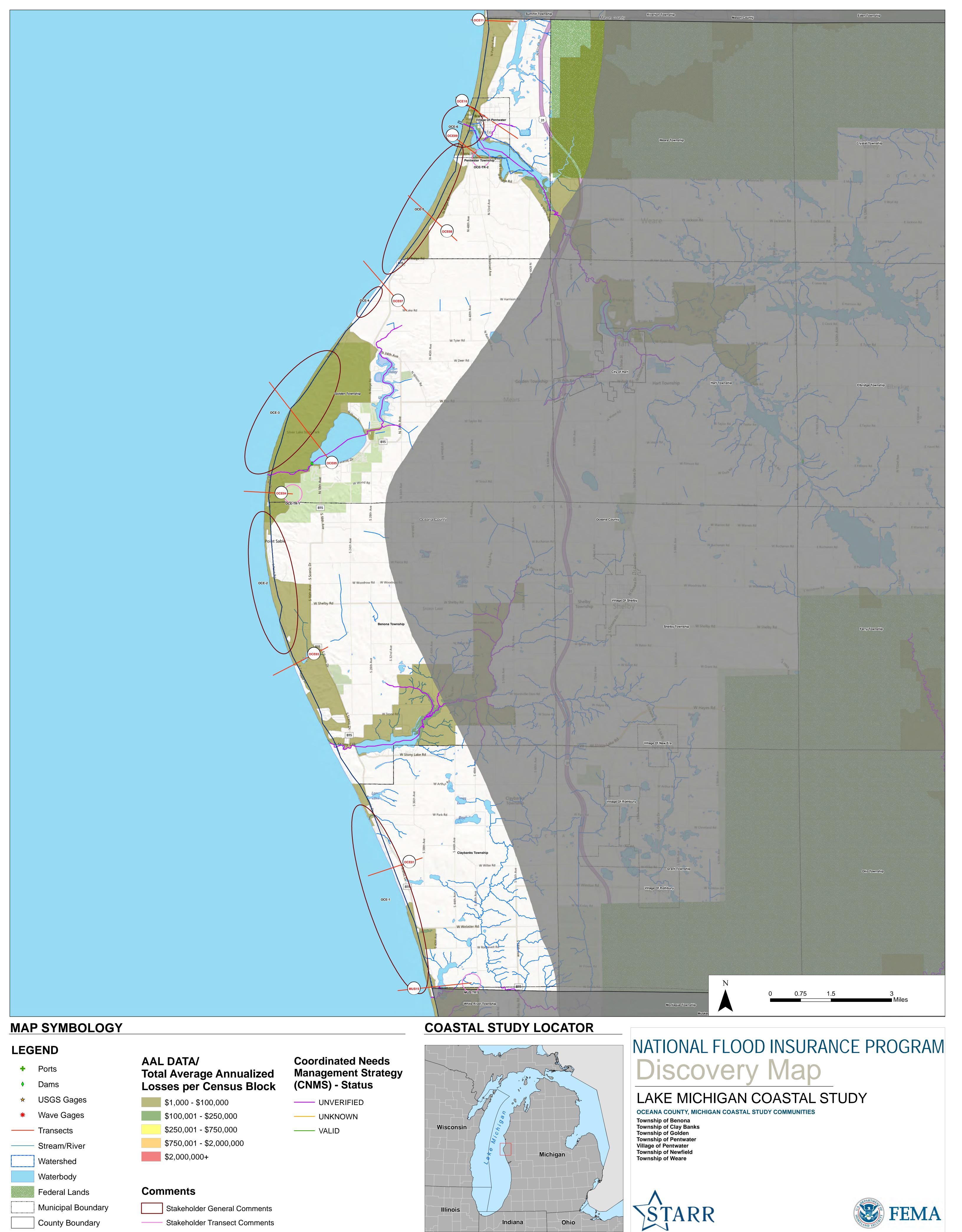
Ohio

Indiana

Stakeholder Transect Comments

County Boundary

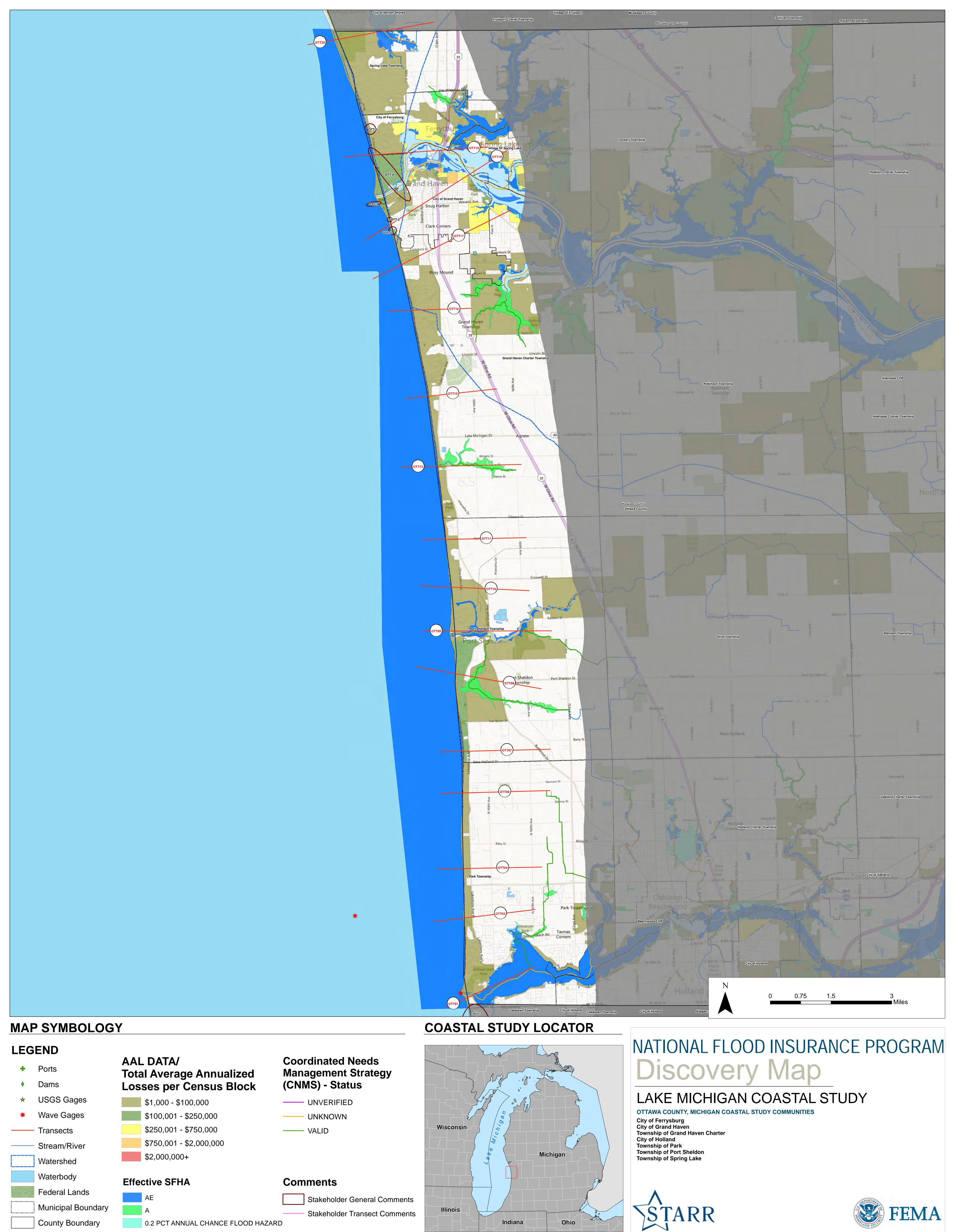
0.2 PCT ANNUAL CHANCE FLOOD HAZARD



Indiana

County Boundary

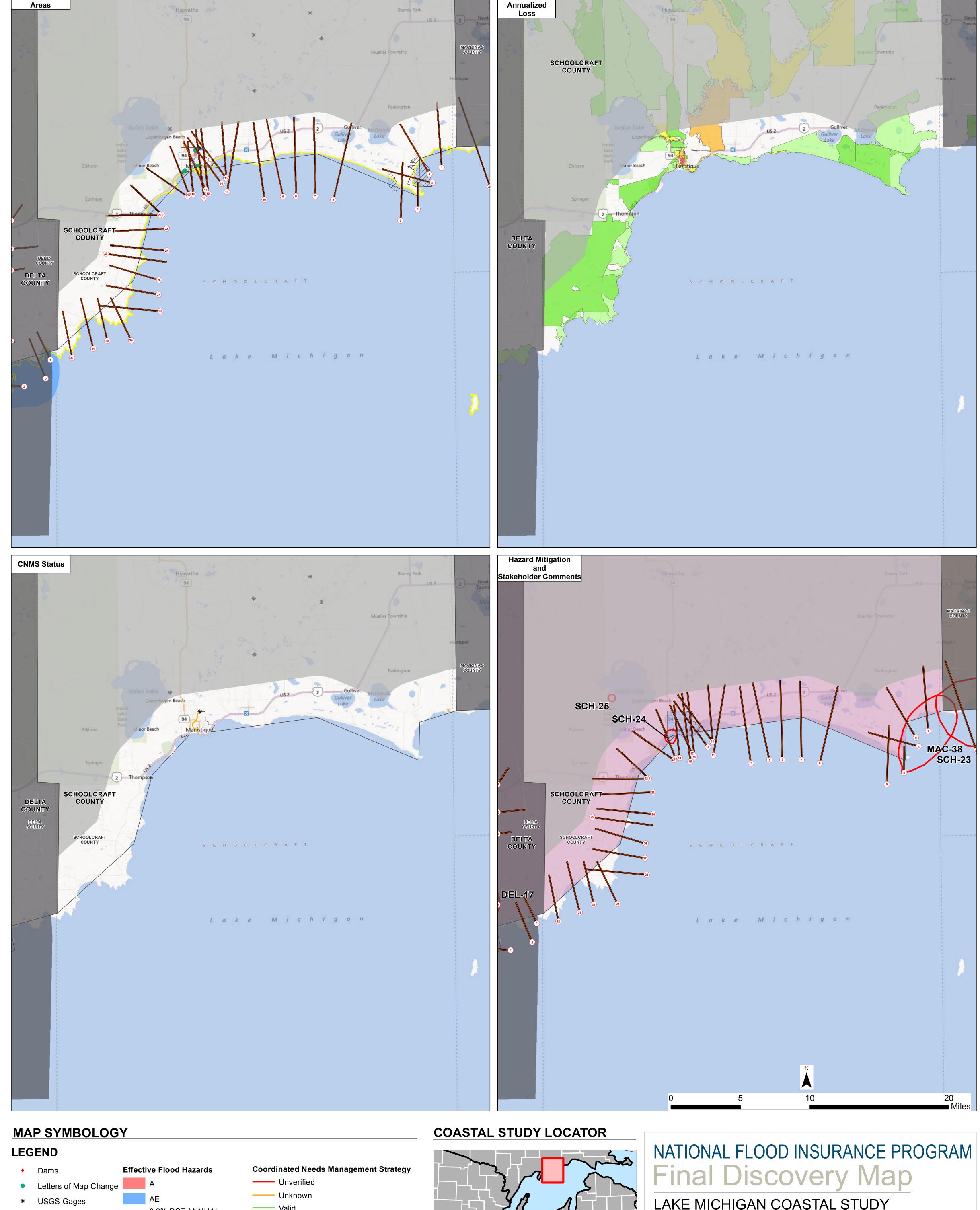
Stakeholder Transect Comments



Indiana

County Boundary

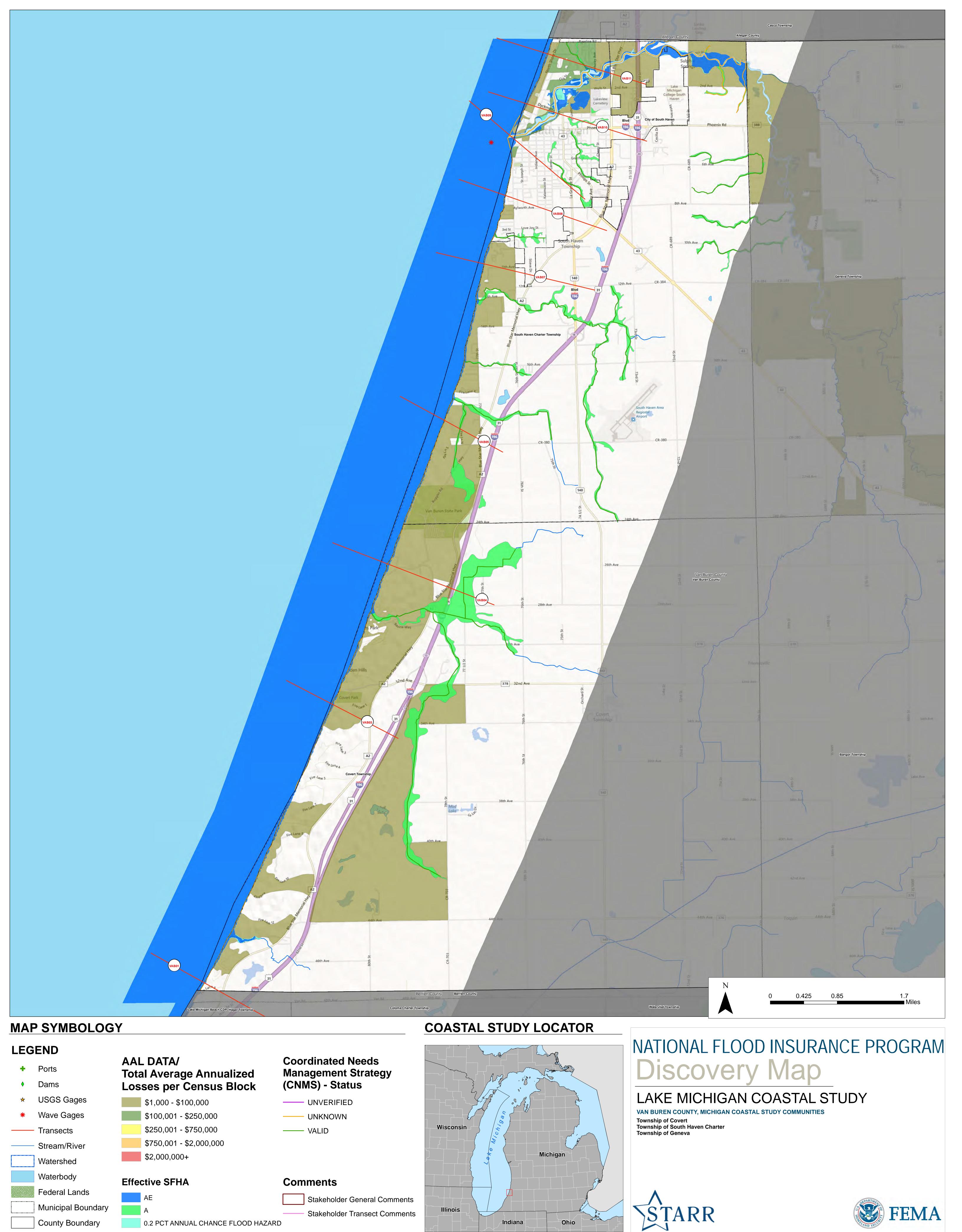
0.2 PCT ANNUAL CHANCE FLOOD HAZARD

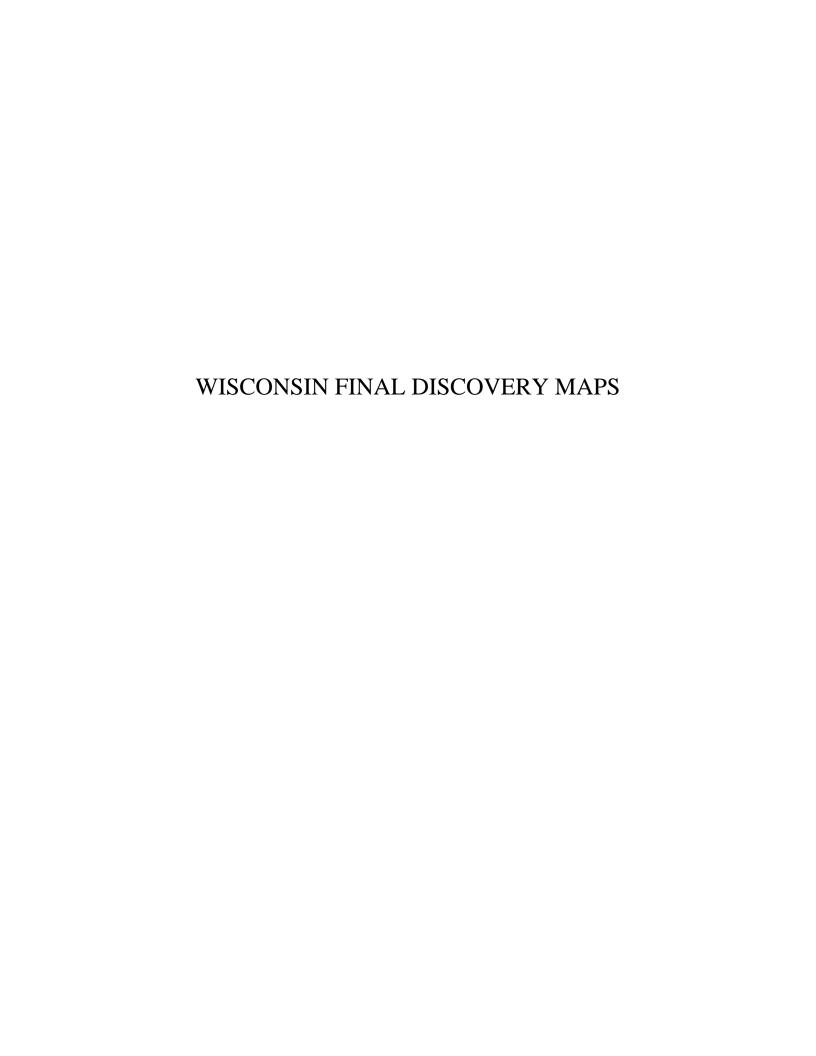


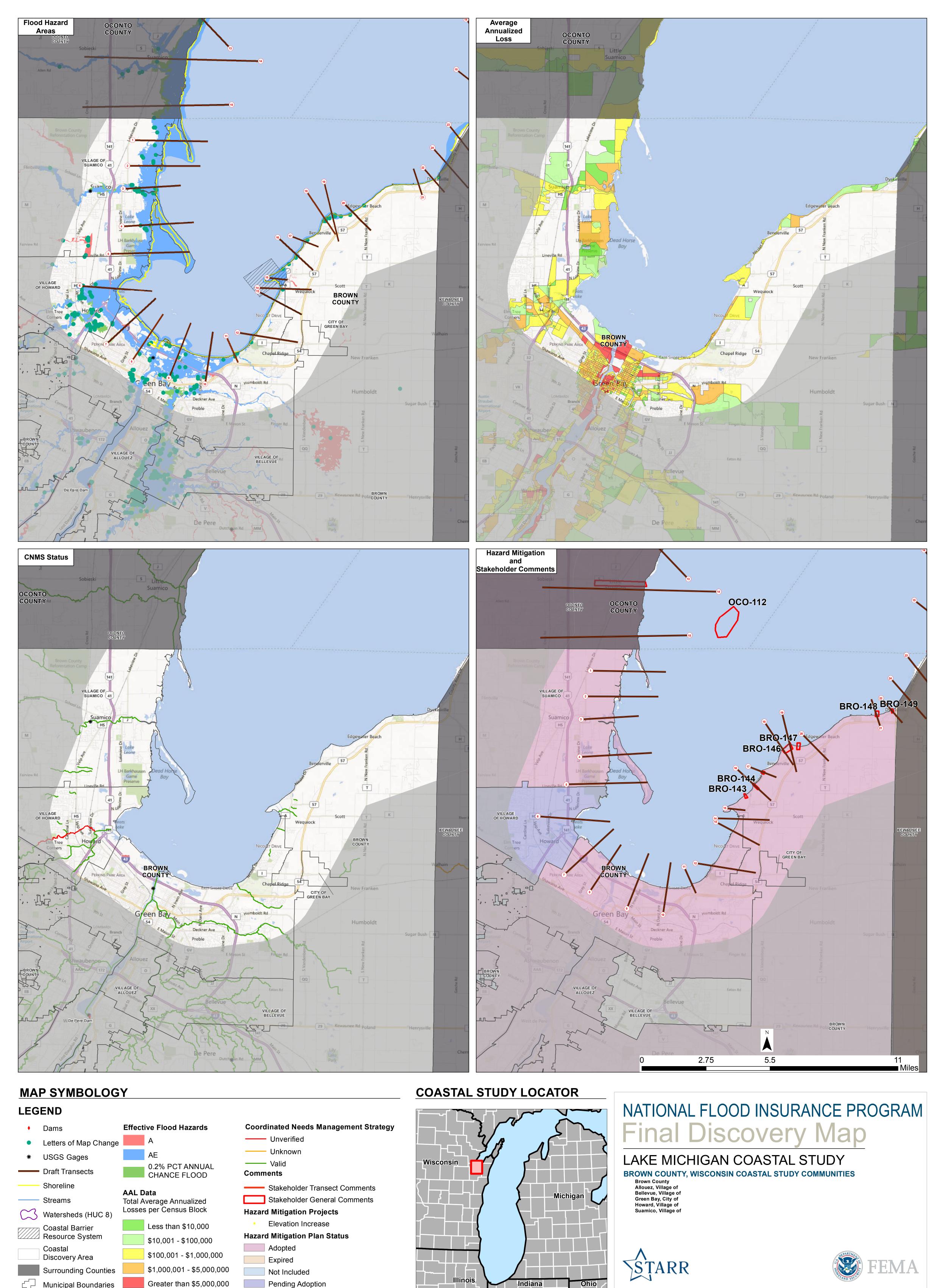
---- Valid 0.2% PCT ANNUAL CHANCE FLOOD **Draft Transects** Comments Shoreline Stakeholder Transect Comments Wisconsin **AAL** Data Stakeholder General Comments Total Average Annualized Losses per Census Block Streams **Hazard Mitigation Projects** Watersheds (HUC 8) Michigan Elevation Increase Less than \$10,000 Coastal Barrier Resource System **Hazard Mitigation Plan Status** \$10,001 - \$100,000 Coastal Adopted \$100,001 - \$1,000,000 Discovery Area Expired \$1,000,001 - \$5,000,000 **Surrounding Counties** Illinois Not Included Greater than \$5,000,000 Pending Adoption Municipal Boundaries

Flood Hazard

NATIONAL FLOOD INSURANCE PROGRAM Final Discovery Map LAKE MICHIGAN COASTAL STUDY SCHOOLCRAFT COUNTY, MICHIGAN COASTAL STUDY COMMUNITIES Schoolcraft County Manistique, City of Thompson, Township of Thompson, Township of FEMA



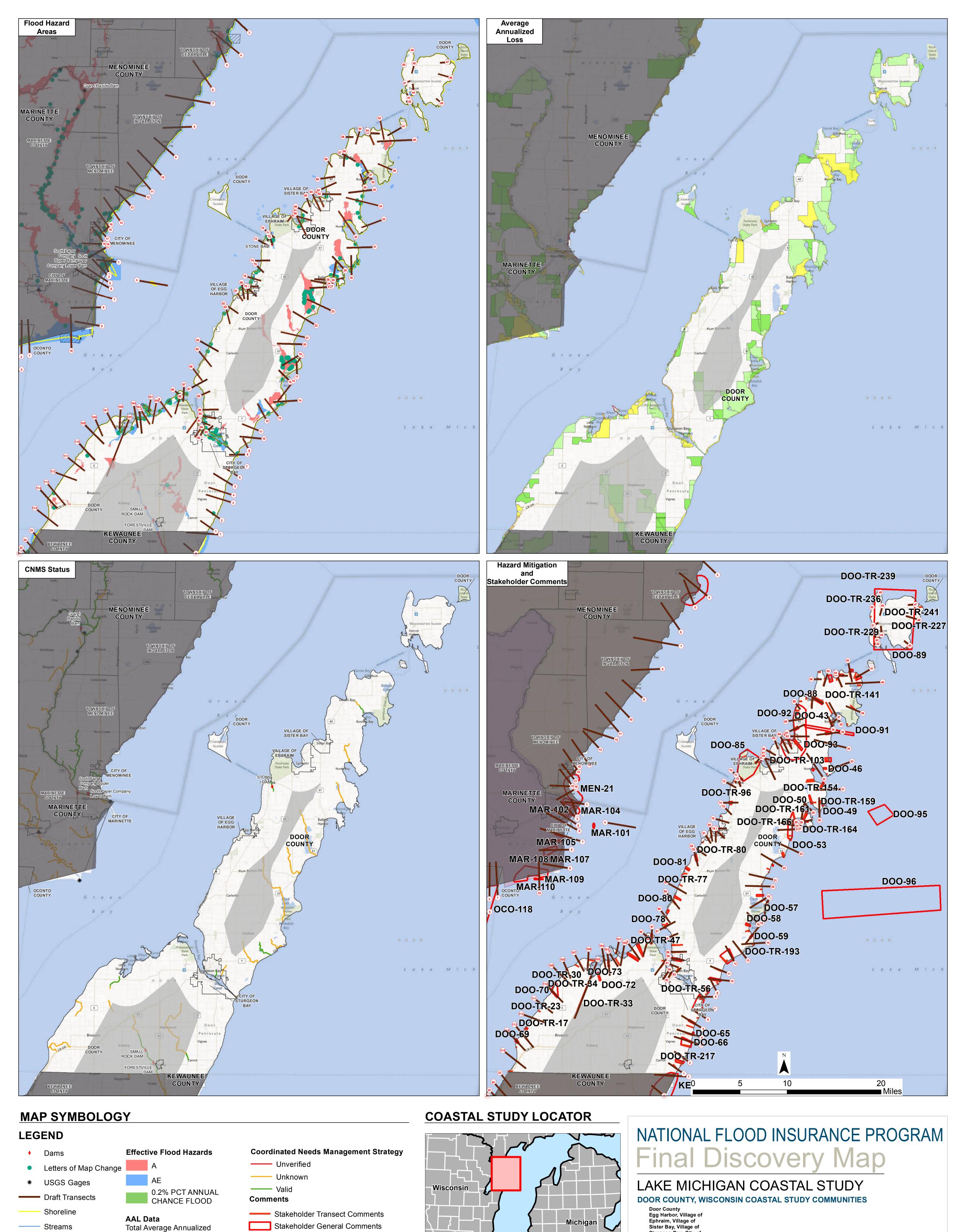




Indiana

Municipal Boundaries

Pending Adoption



Ohio

Indiana

Losses per Census Block

Less than \$10,000

\$10,001 - \$100,000

\$100,001 - \$1,000,000

\$1,000,001 - \$5,000,000

Greater than \$5,000,000

Watersheds (HUC 8)

Surrounding Counties

Municipal Boundaries

Coastal Barrier Resource System

Discovery Area

Coastal

Hazard Mitigation Projects

Elevation Increase

Hazard Mitigation Plan Status

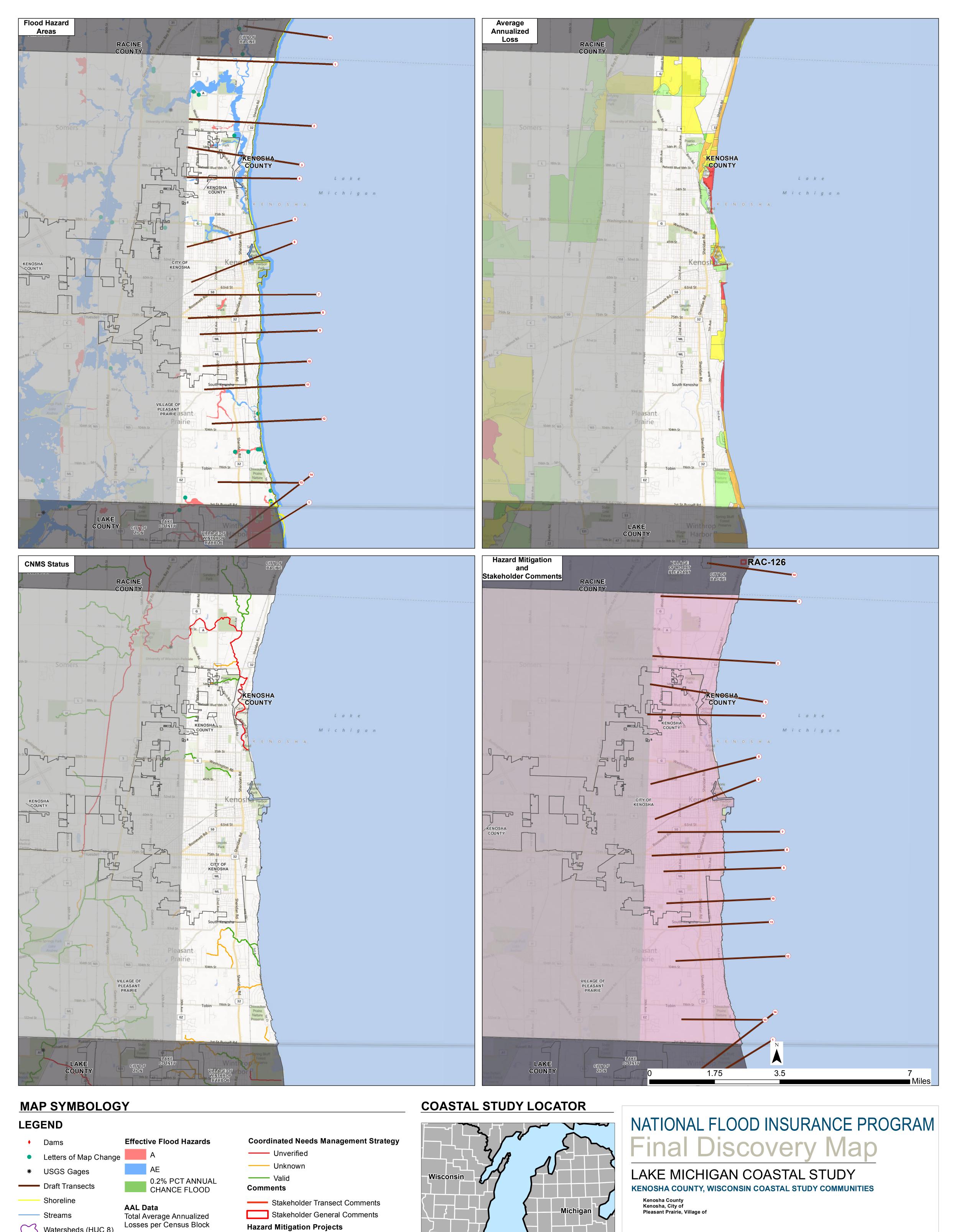
Pending Adoption

Adopted

Not Included

Expired

Sister Bay, Village of Sturgeon Bay, City of STARR FEMA



Ohio

Indiana

Watersheds (HUC 8)

Surrounding Counties

Municipal Boundaries

Coastal Barrier Resource System

Discovery Area

Coastal

Less than \$10,000

\$10,001 - \$100,000

\$100,001 - \$1,000,000

\$1,000,001 - \$5,000,000

Greater than \$5,000,000

Elevation Increase

Hazard Mitigation Plan Status

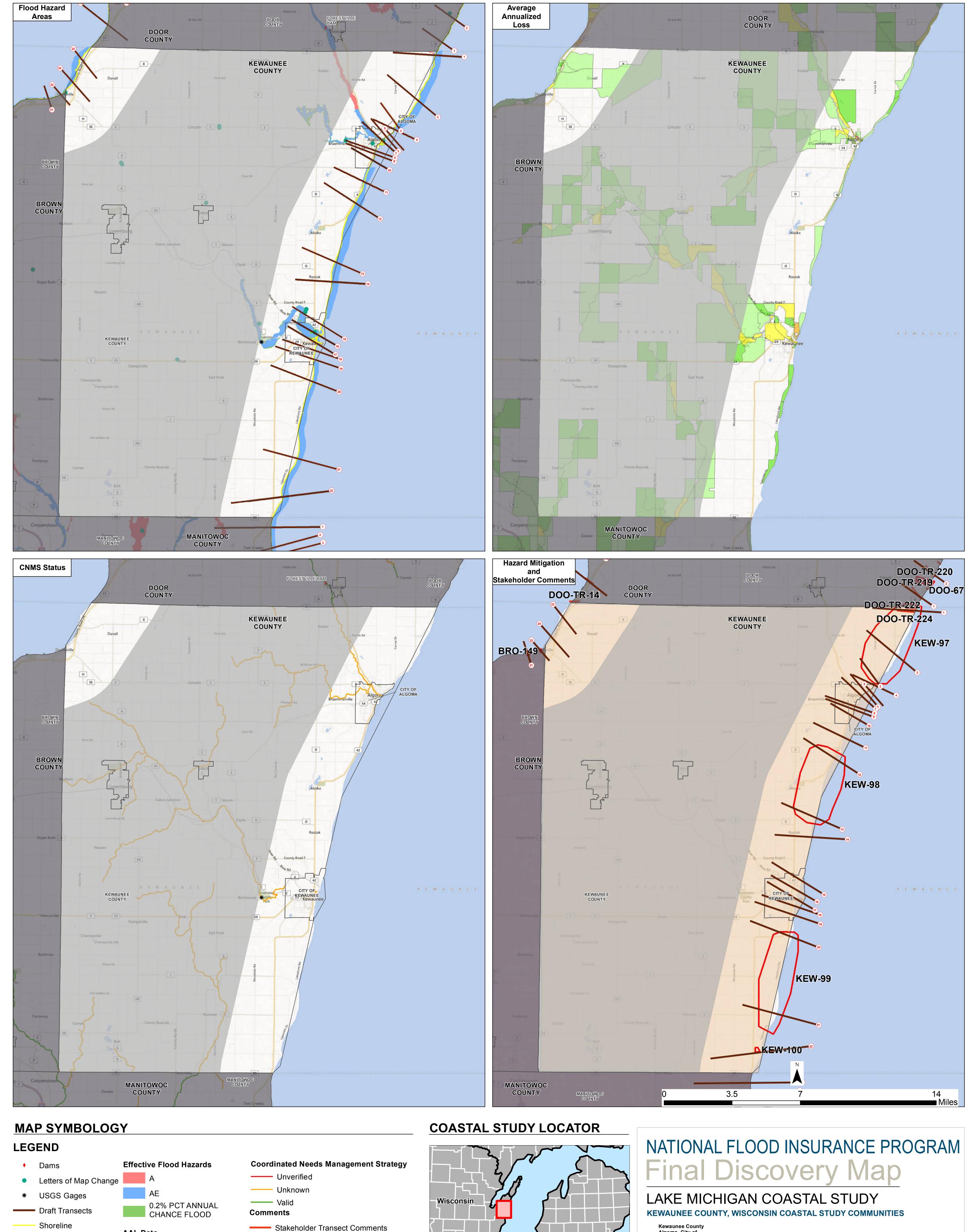
Adopted

Expired

Not Included

Pending Adoption

STARR



AAL Data

Streams

Coastal

Watersheds (HUC 8)

Surrounding Counties

Municipal Boundaries

Coastal Barrier
Resource System

Discovery Area

Total Average Annualized Losses per Census Block

Less than \$10,000

\$10,001 - \$100,000

\$100,001 - \$1,000,000

\$1,000,001 - \$5,000,000

Greater than \$5,000,000

Stakeholder General Comments

Hazard Mitigation Projects

Adopted

Expired

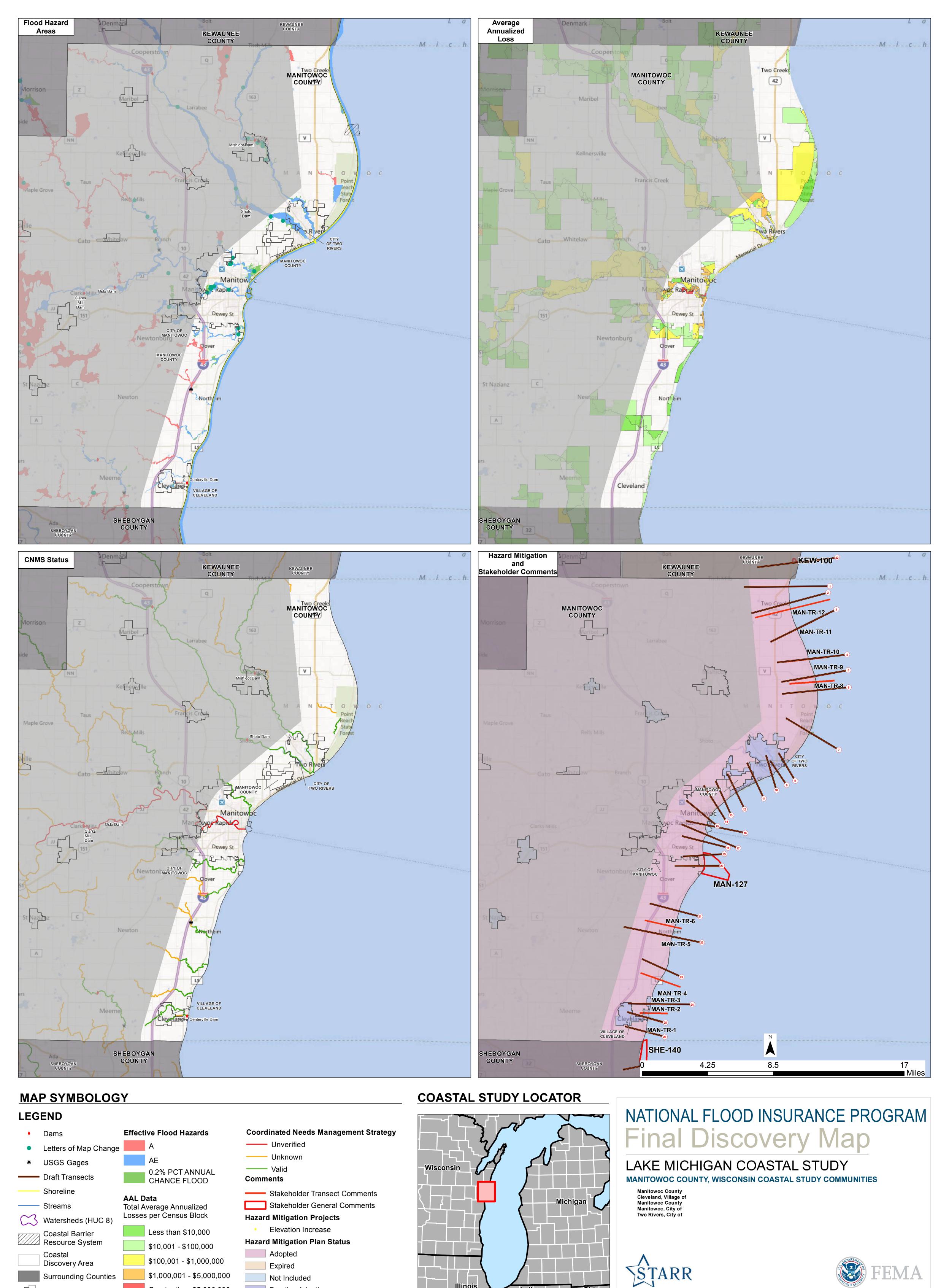
Not Included

Pending Adoption

Elevation Increase

Hazard Mitigation Plan Status

KEWAUNEE COUNTY, WISCONSIN COASTAL STUDY COMMUNITIES Kewaunee County Algoma, City of Kewaunee, City o



Ohio

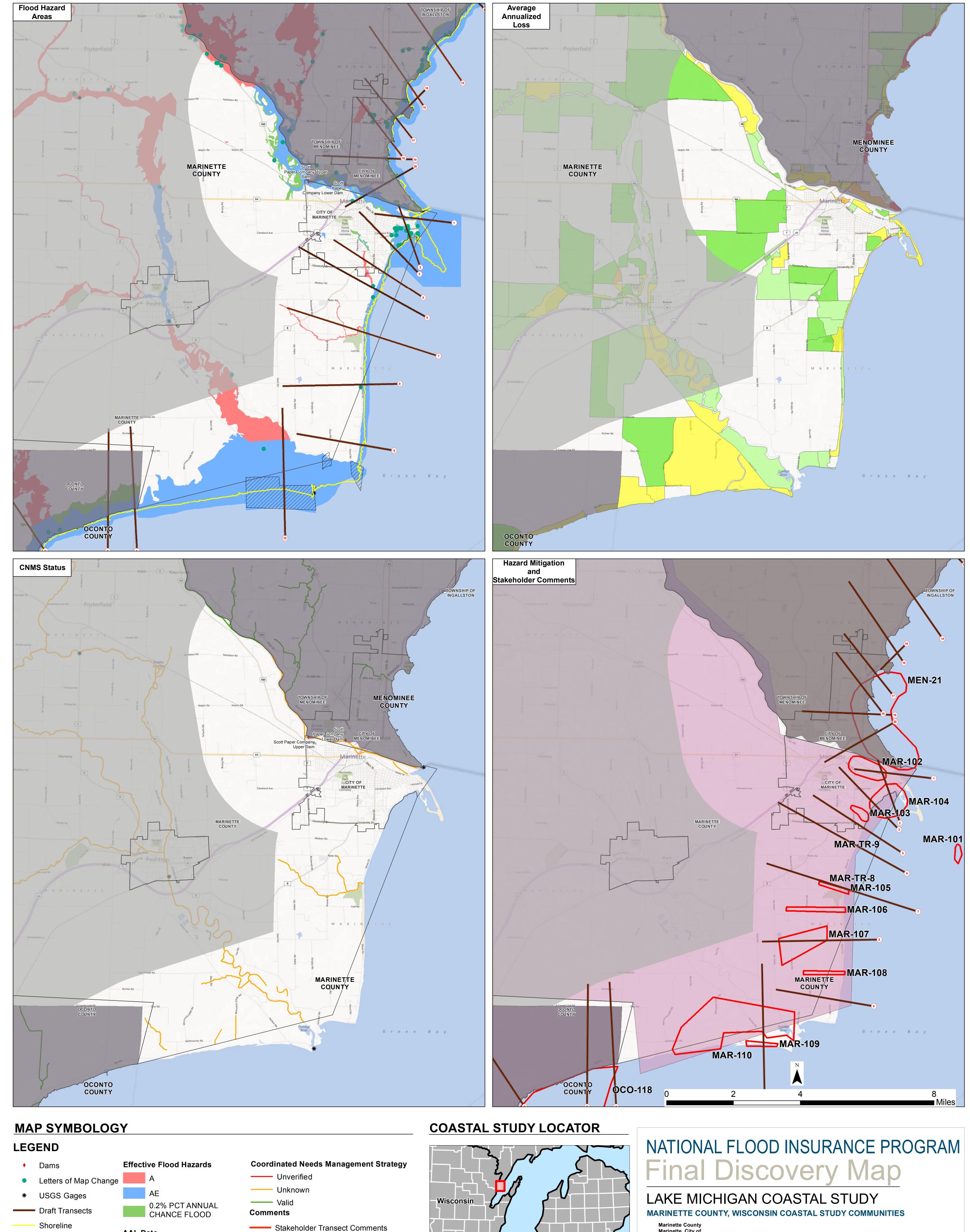
Indiana

Not Included

Pending Adoption

Greater than \$5,000,000

Municipal Boundaries



AAL Data

Streams

Coastal

Watersheds (HUC 8)

Surrounding Counties

Municipal Boundaries

Coastal Barrier
Resource System

Discovery Area

Total Average Annualized Losses per Census Block

Less than \$10,000

\$10,001 - \$100,000

\$100,001 - \$1,000,000

\$1,000,001 - \$5,000,000

Greater than \$5,000,000

Stakeholder General Comments

Hazard Mitigation Projects

Adopted

Expired

Not Included

Pending Adoption

Elevation Increase

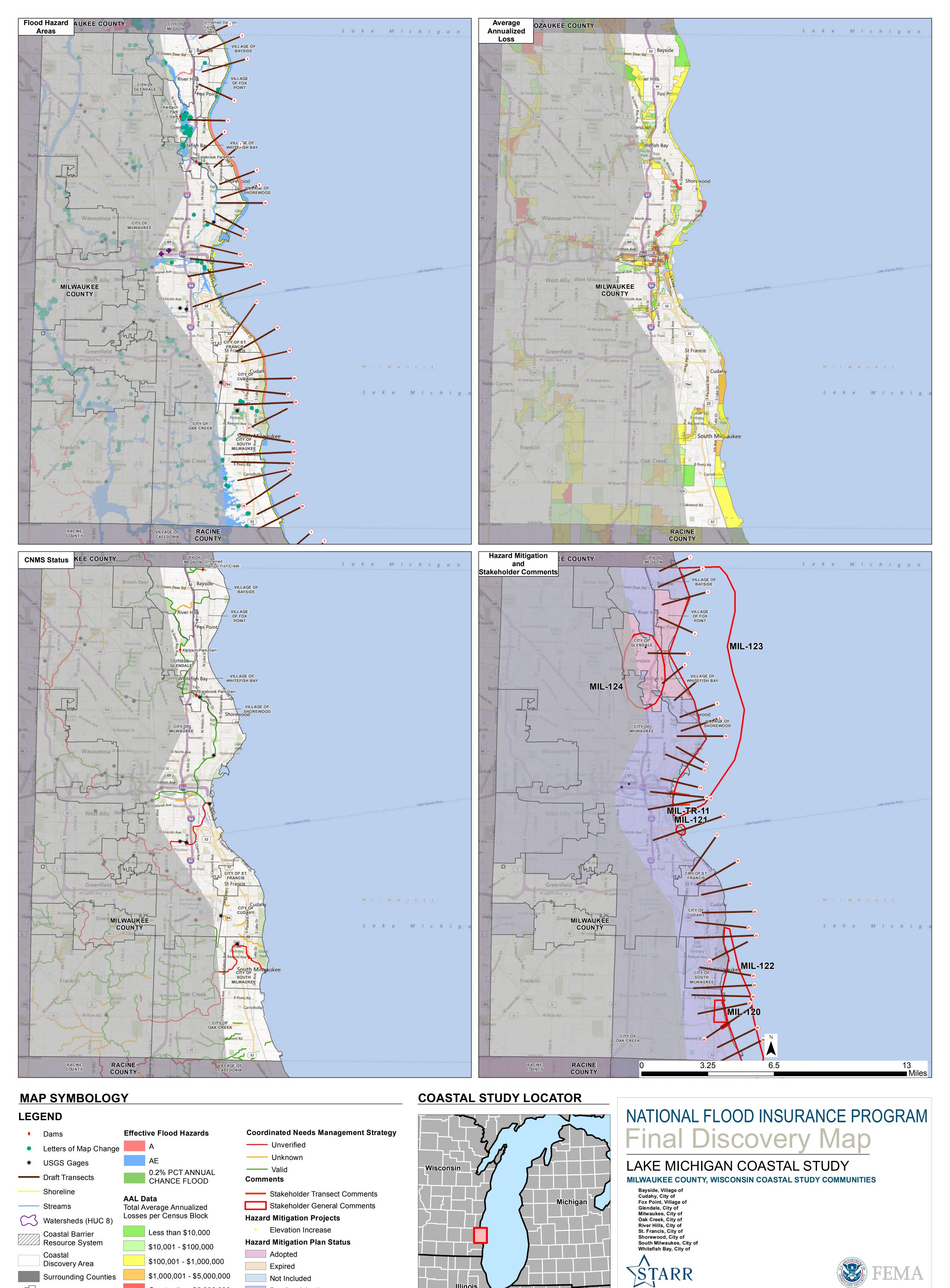
Hazard Mitigation Plan Status

Marinette County Marinette, City of STARR Ohio

Michigan

Indiana

Illinois



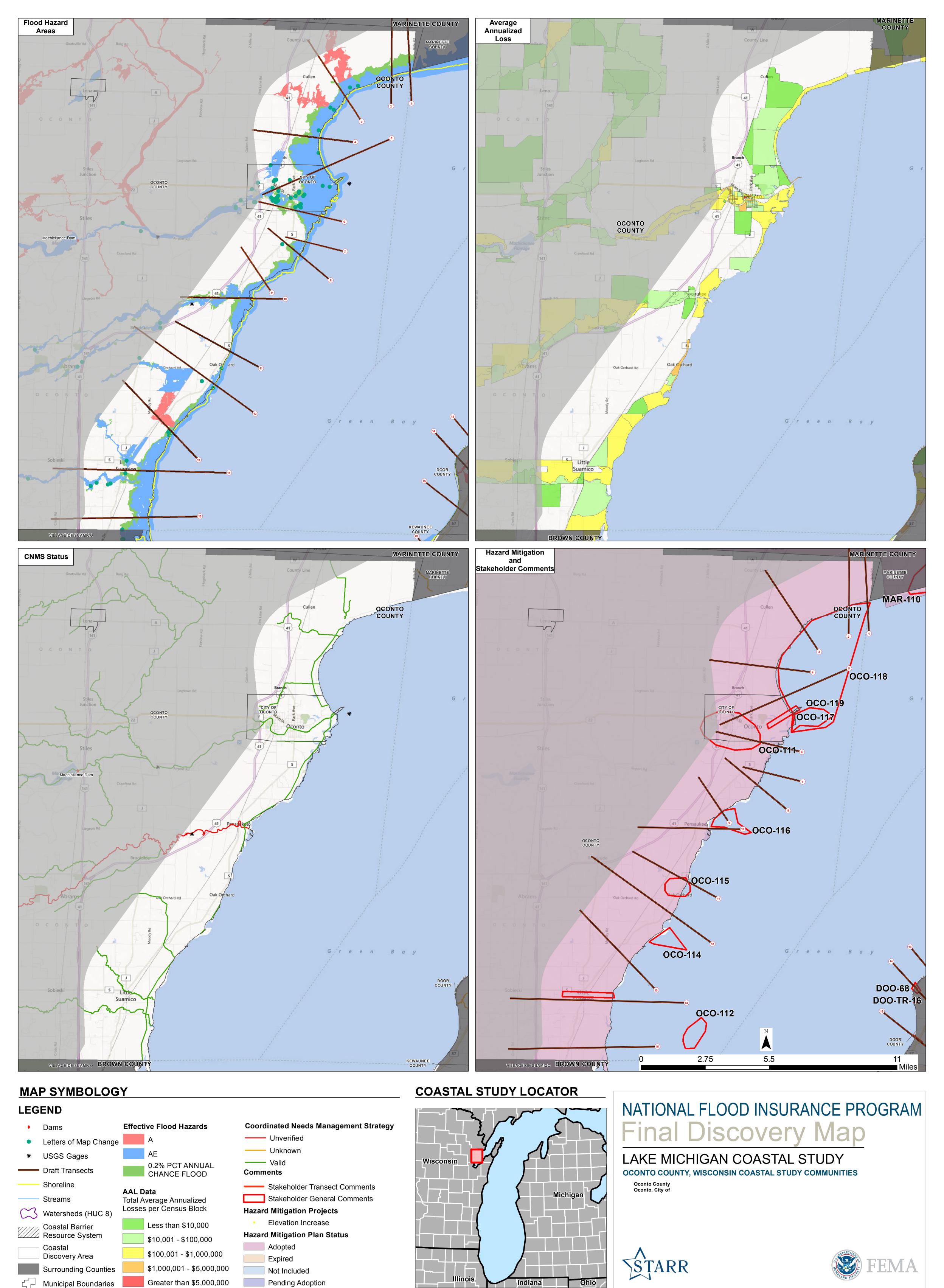
Ohio

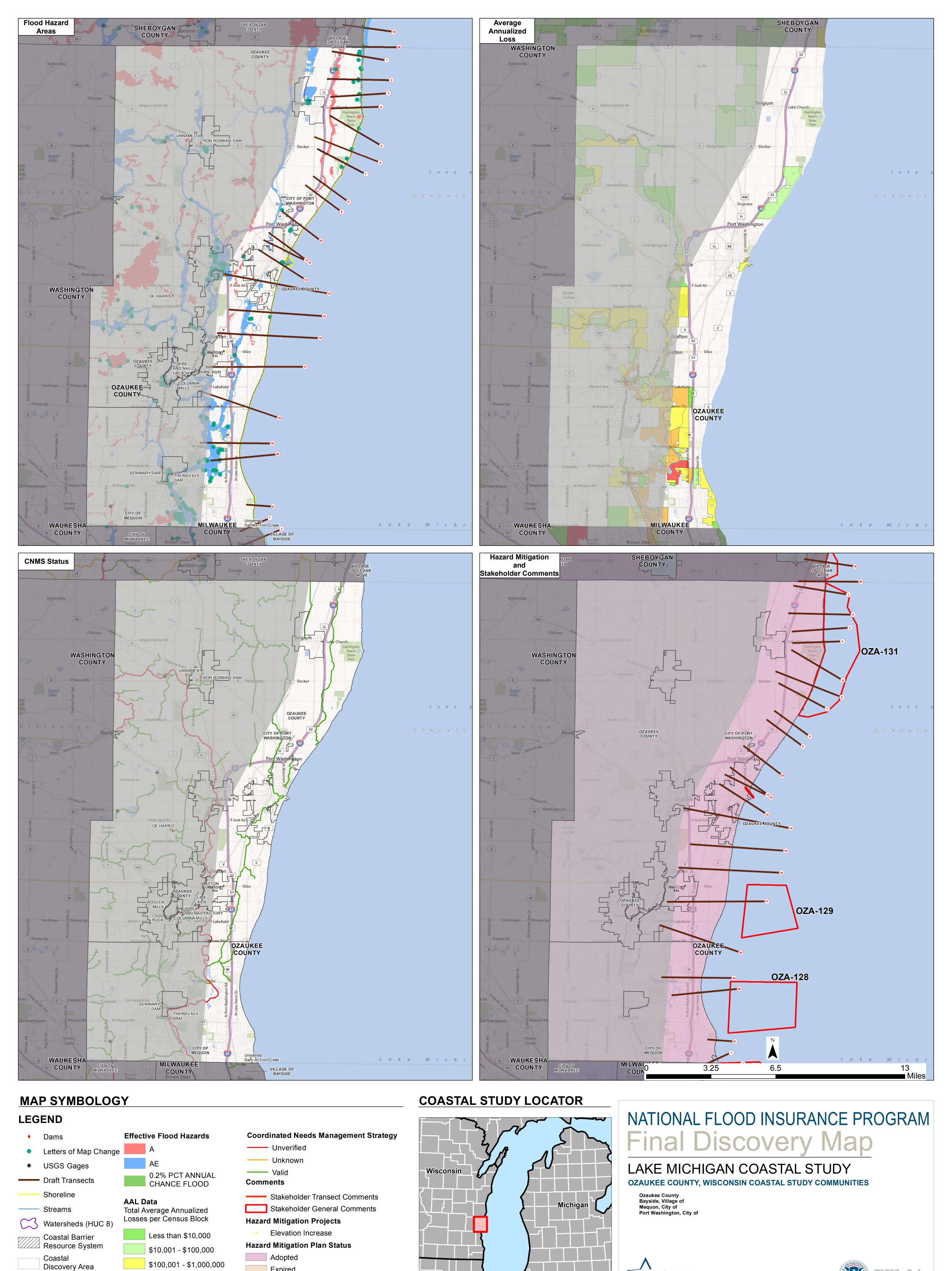
Indiana

Greater than \$5,000,000

Municipal Boundaries

Pending Adoption





STARR

Ohio

Indiana

Expired

Not Included

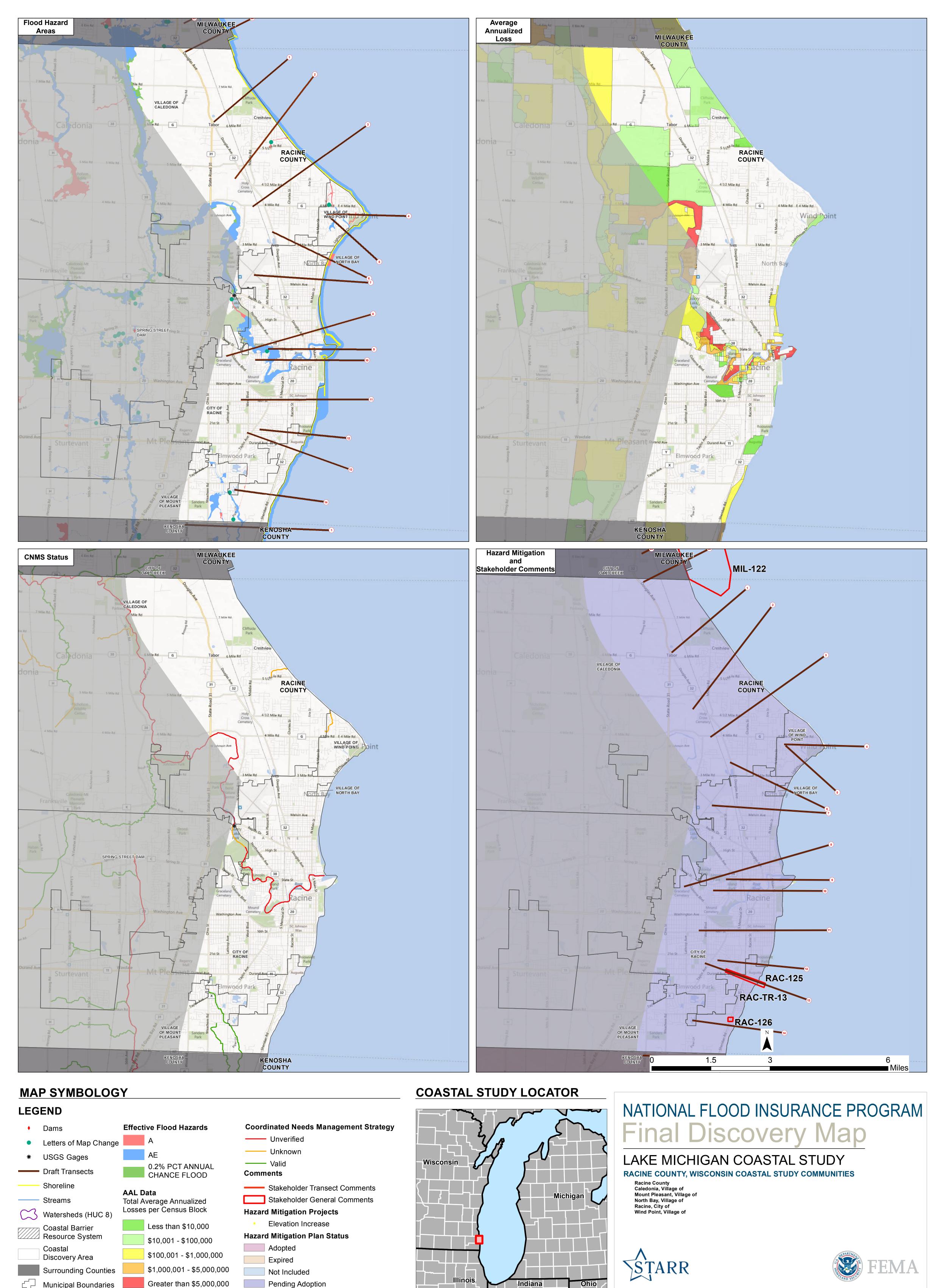
Pending Adoption

\$1,000,001 - \$5,000,000

Greater than \$5,000,000

Surrounding Counties

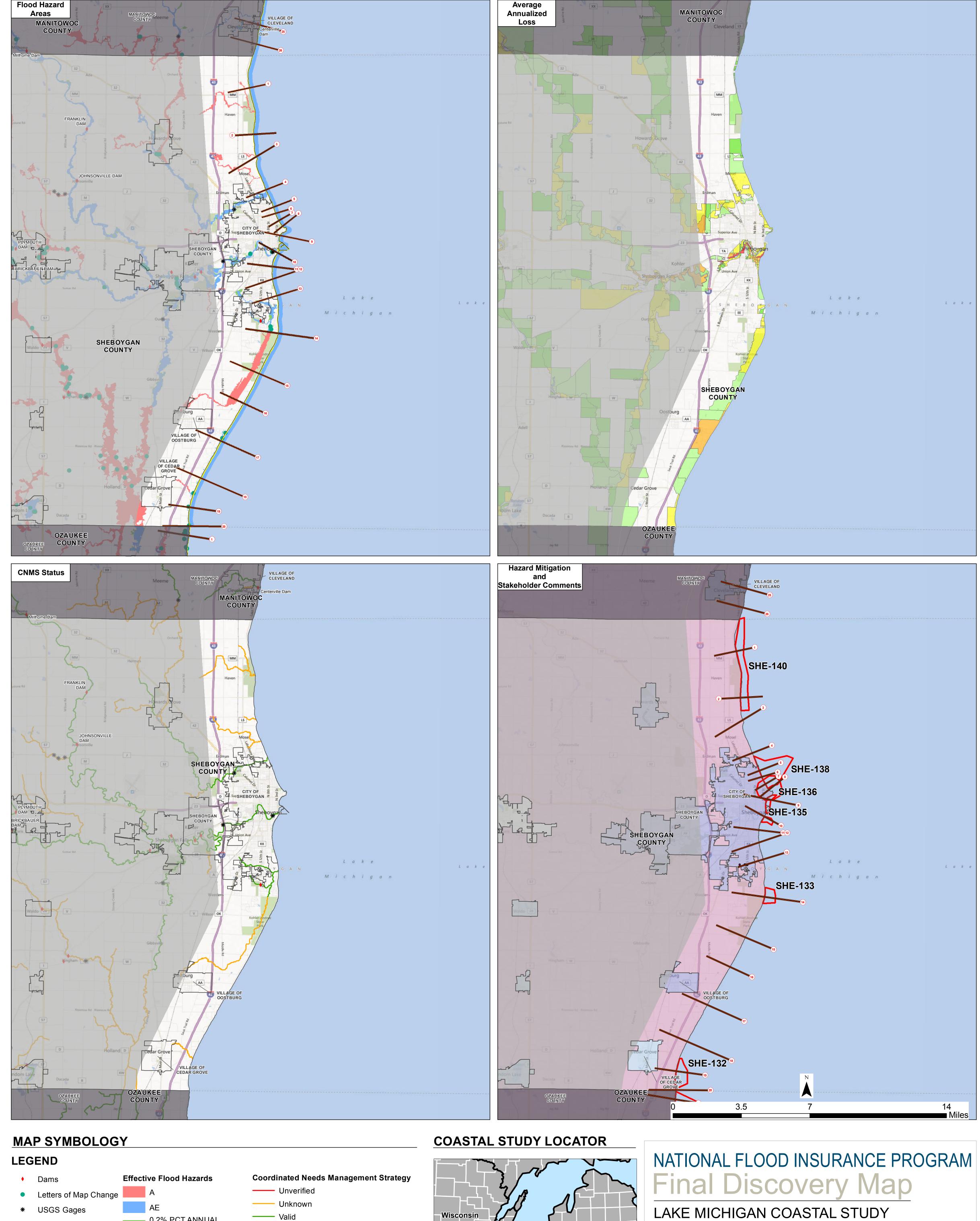
Municipal Boundaries



Indiana

Municipal Boundaries

Pending Adoption



Stakeholder Transect Comments Stakeholder General Comments

0.2% PCT ANNUAL CHANCE FLOOD

Less than \$10,000

\$10,001 - \$100,000

\$100,001 - \$1,000,000

\$1,000,001 - \$5,000,000

Greater than \$5,000,000

Total Average Annualized Losses per Census Block

AAL Data

Comments

Hazard Mitigation Projects

Adopted

Expired

Not Included

Pending Adoption

Elevation Increase

Hazard Mitigation Plan Status

Draft Transects

Coastal Barrier Resource System

Discovery Area

Watersheds (HUC 8)

Surrounding Counties

Municipal Boundaries

Shoreline

Streams

Coastal

Wisconsin Michigan Illinois Ohio Indiana

LAKE MICHIGAN COASTAL STUDY

SHEBOYGAN COUNTY, WISCONSIN COASTAL STUDY COMMUNITIES

Sheboygan County Cedar Grove, Village of Oostburg, Village of Sheboygan, City of



