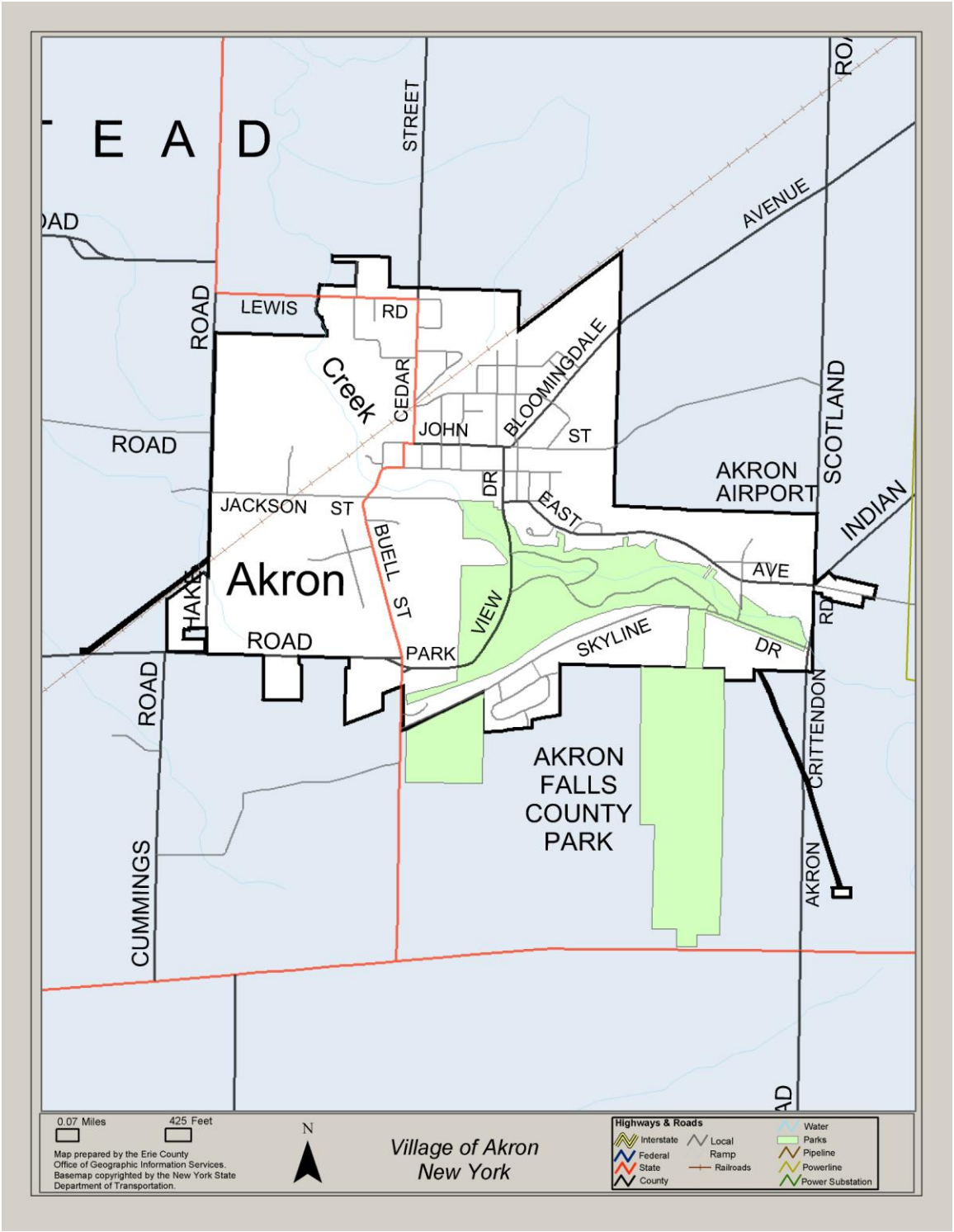
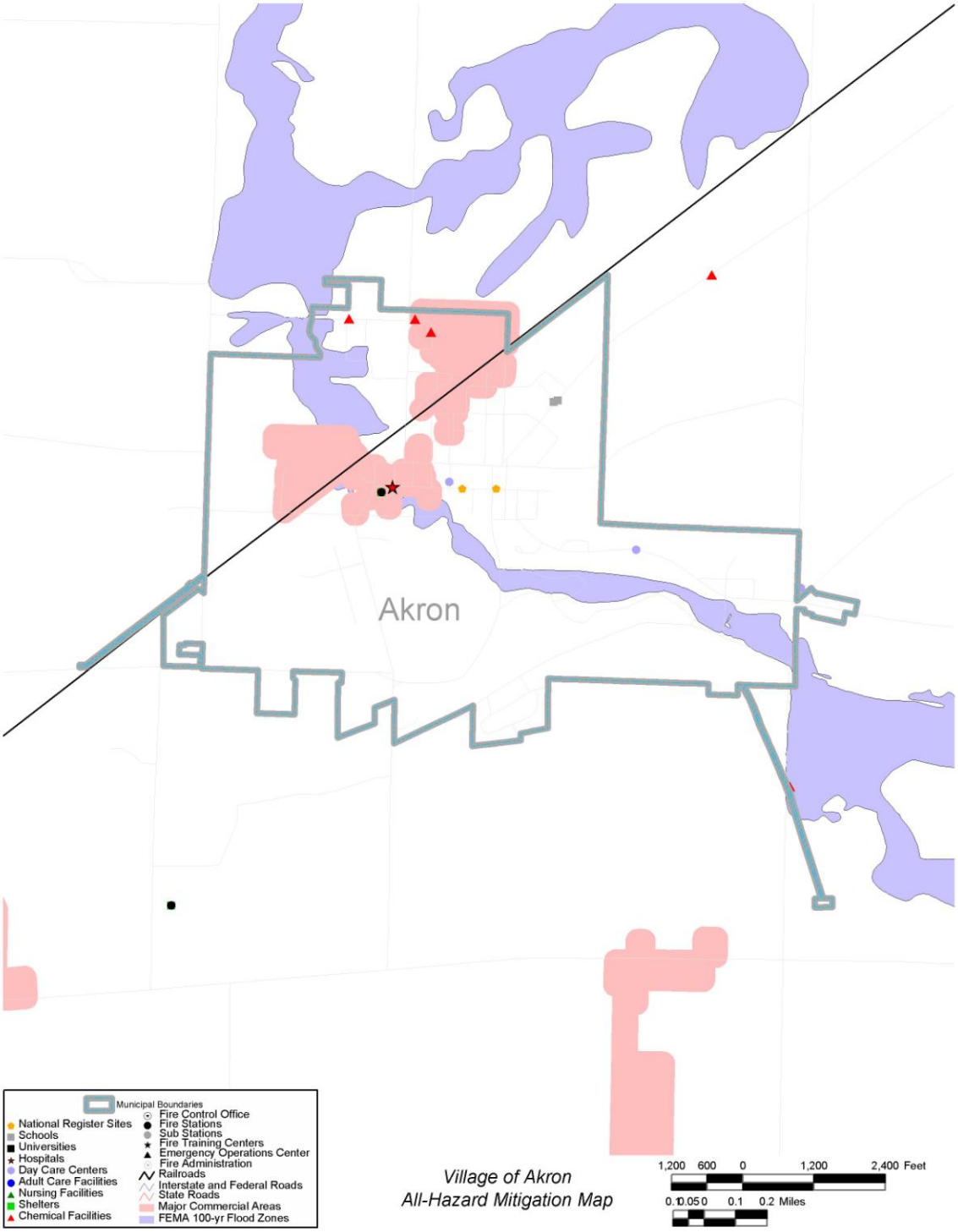
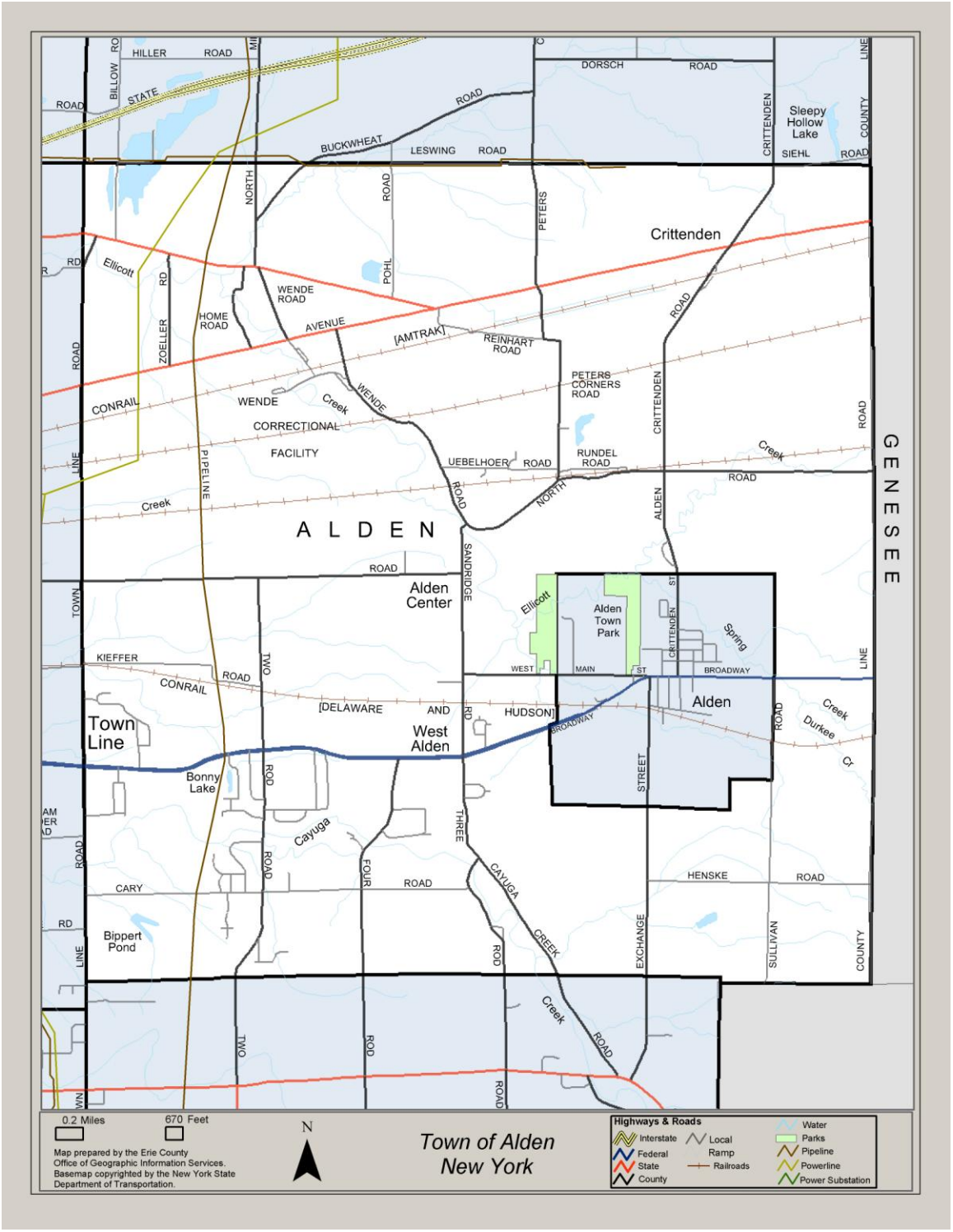
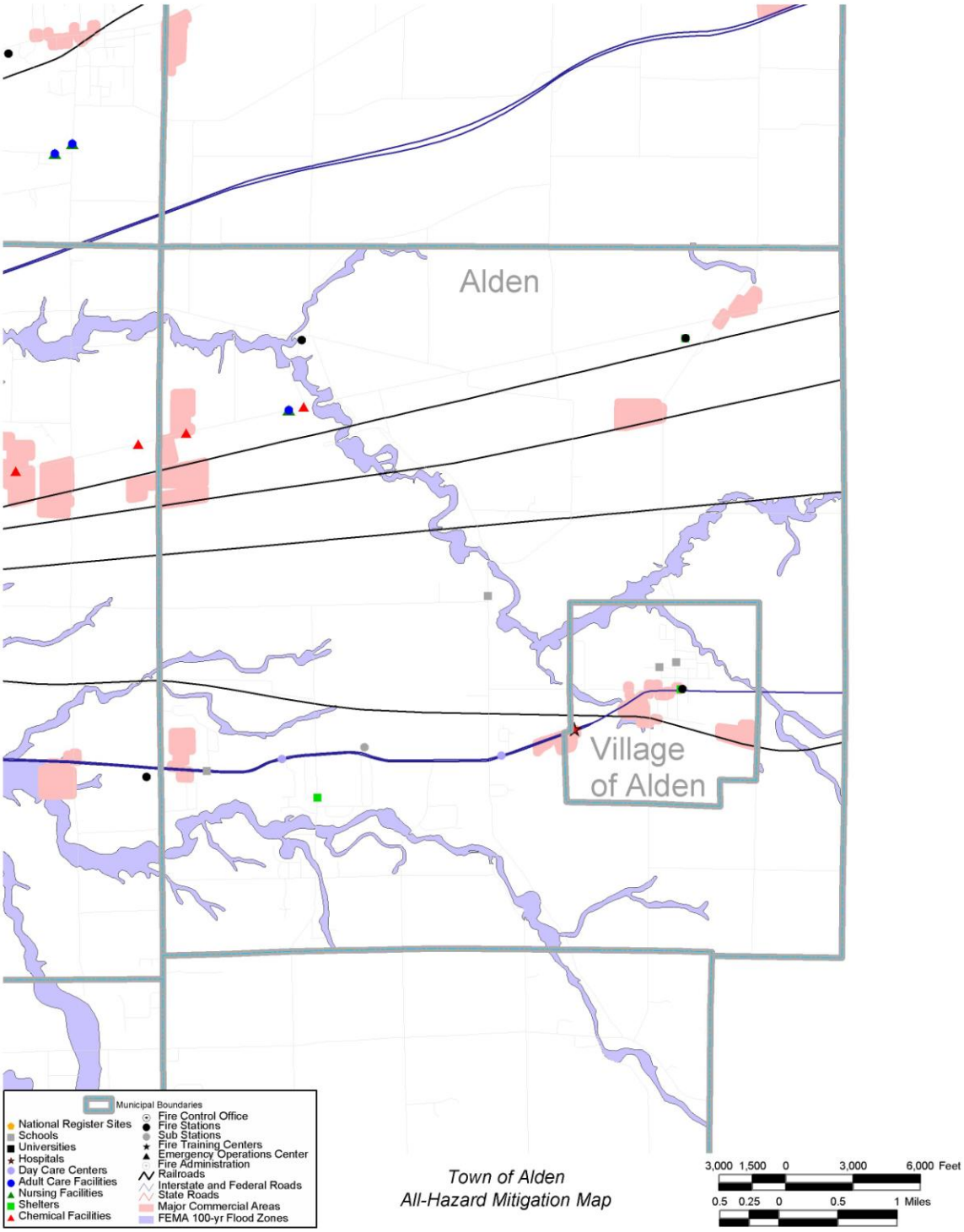

E A D
STREET
AVENUE
ROAD
LEWIS
RD
Creek
CEDAR
BLOOMINGDALE
JOHN
ST
ROAD
SCOTLAND
AKRON
AIRPORT
JACKSON
ST
DR
EAST
INDIAN
BUELL
ST
Akron
AVE
VIEW
ROAD
PARK
SKYLINE
DR
RD
ROAD
CRITTENDON
AKRON
FALLS
COUNTY
PARK
CUMMINGS
AKRON
0.07 Miles
425 Feet
Map prepared by the Erie County
Office of Geographic Information Services.
Basemap copyrighted by the New York State
Department of Transportation.
N
Village of Akron
New York
Highways & Roads
Interstate
Federal
State
County
Local
Ramp
Railroads
Water
Parks
Pipeline
Powerline
Power Substation



Village of Akron
All-Hazard Mitigation Map

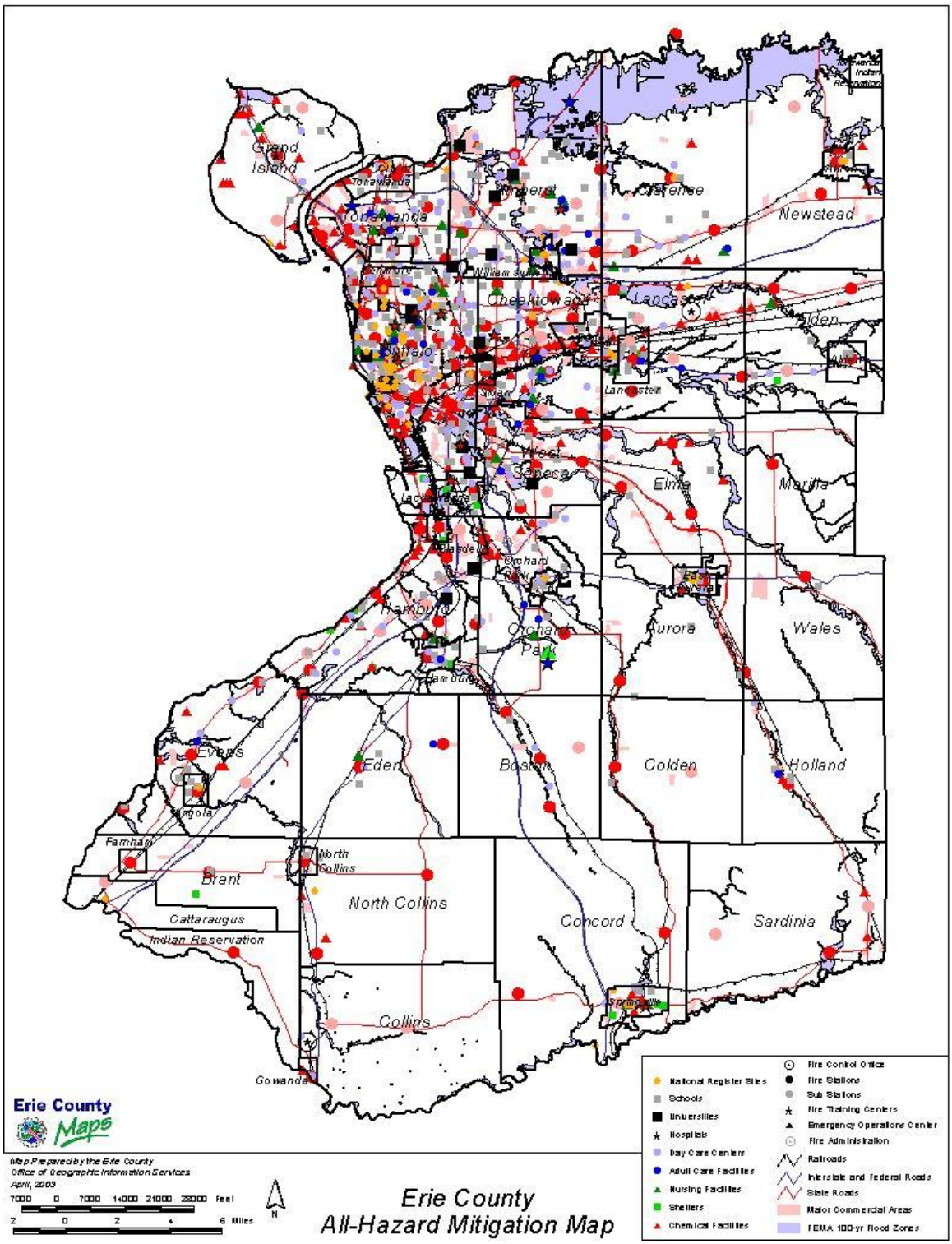


HILLER ROAD
BILLOW RD
STATE
ROAD
BUCKWHEAT ROAD
LESWING ROAD
DORSCH ROAD
CRITTENDEN
Sleepy Hollow Lake
SIEHL ROAD
COUNTY LINE
NORTH
ROAD
PETERS
Crittenden
Ellicott
RD
ZOELLER
HOME ROAD
WENDE ROAD
POHL
AVENUE
[AMTRAK]
REINHART ROAD
PETERS CORNERS ROAD
CONRAIL
WENDE
Creek
CORRECTIONAL
FACILITY
PIPELINE
UEBELHOER ROAD
RUNDEL ROAD
NORTH
ROAD
ALDEN
GENESEE
ALDEN
SANDRIDGE
Alden Center
Ellicott
Alden Town Park
CRITTENDEN ST
Spring
WEST MAIN ST BROADWAY
KIEFFER ROAD
CONRAIL
TWO
[DELAWARE AND HUDSON]
RD
BROADWAY
Alden
Creek
Durkee Cr
Town Line
West Alden
Bonny Lake
ROD
STREET
Cayuga
THREE
FOUR
CAYUGA CREEK
CARY ROAD
HENSKE ROAD
Bippert Pond
EXCHANGE
SULLIVAN
COUNTY
LINE
TOWN
0.2 Miles
670 Feet
N
Map prepared by the Erie County Office of Geographic Information Services. Basemap copyrighted by the New York State Department of Transportation.
Town of Alden New York
Highways & Roads
Interstate
Federal
State
County
Local
Ramp
Railroads
Water
Parks
Pipeline
Powerline
Power Substation

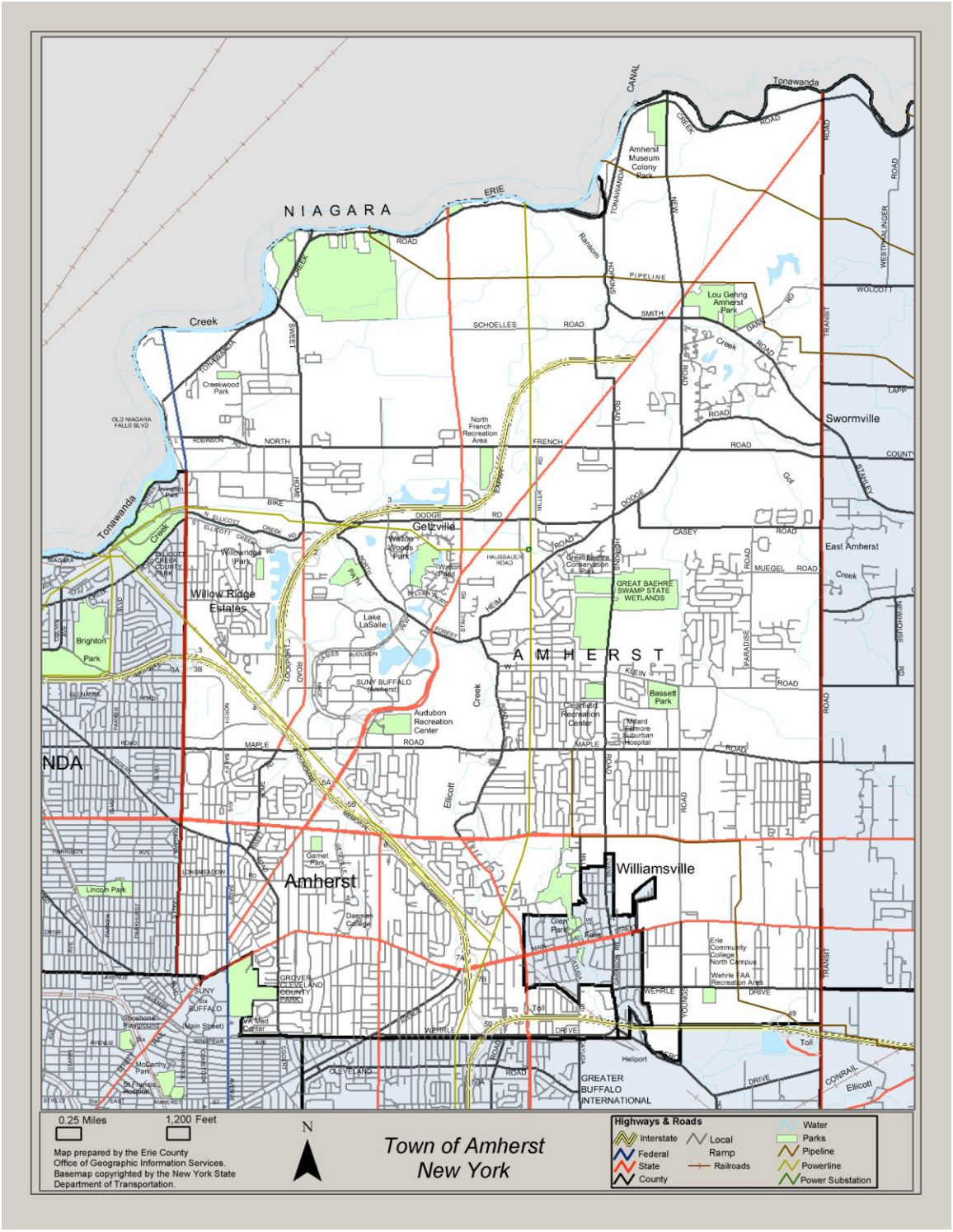


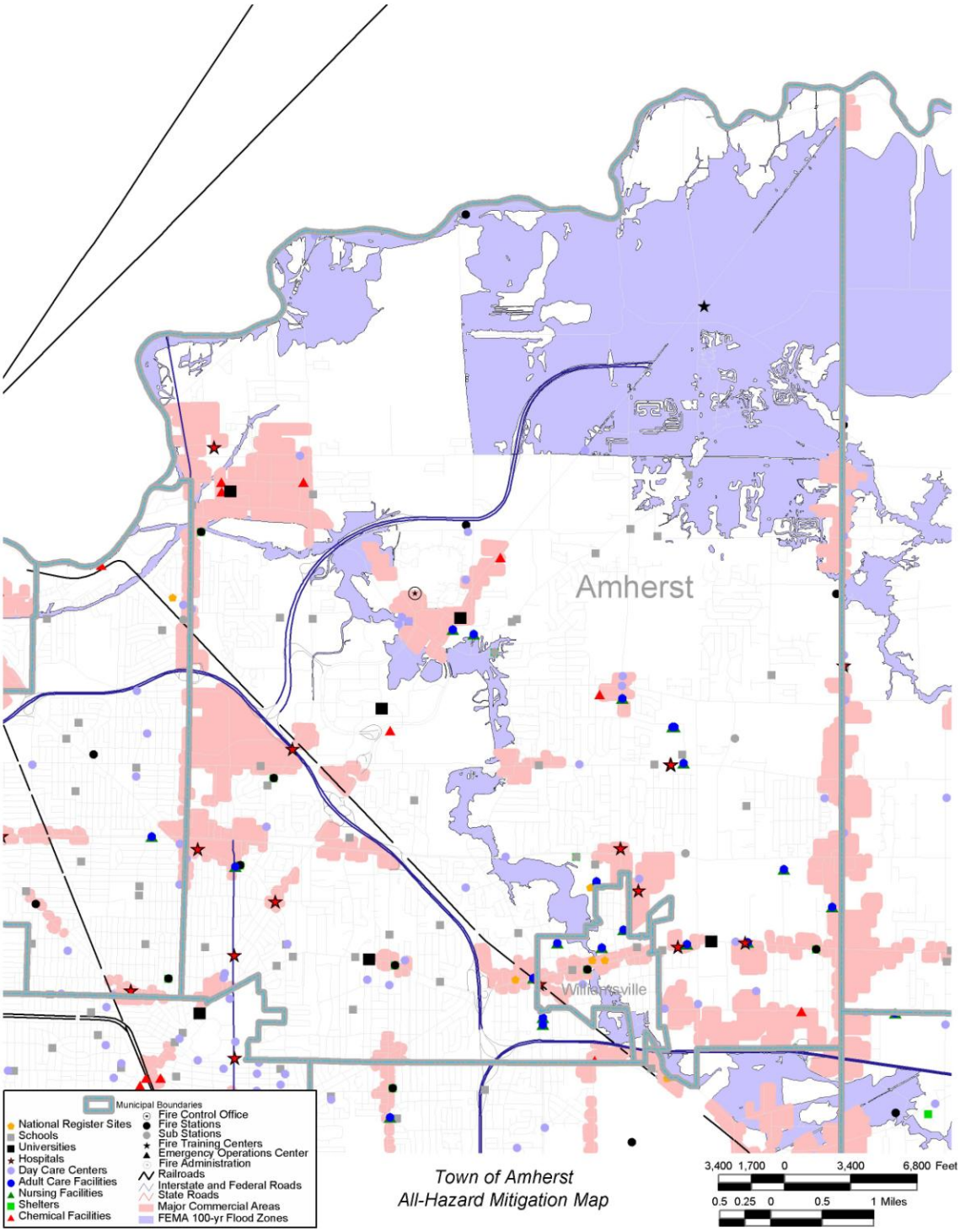
Town of Alden
All-Hazard Mitigation Map

Document #14

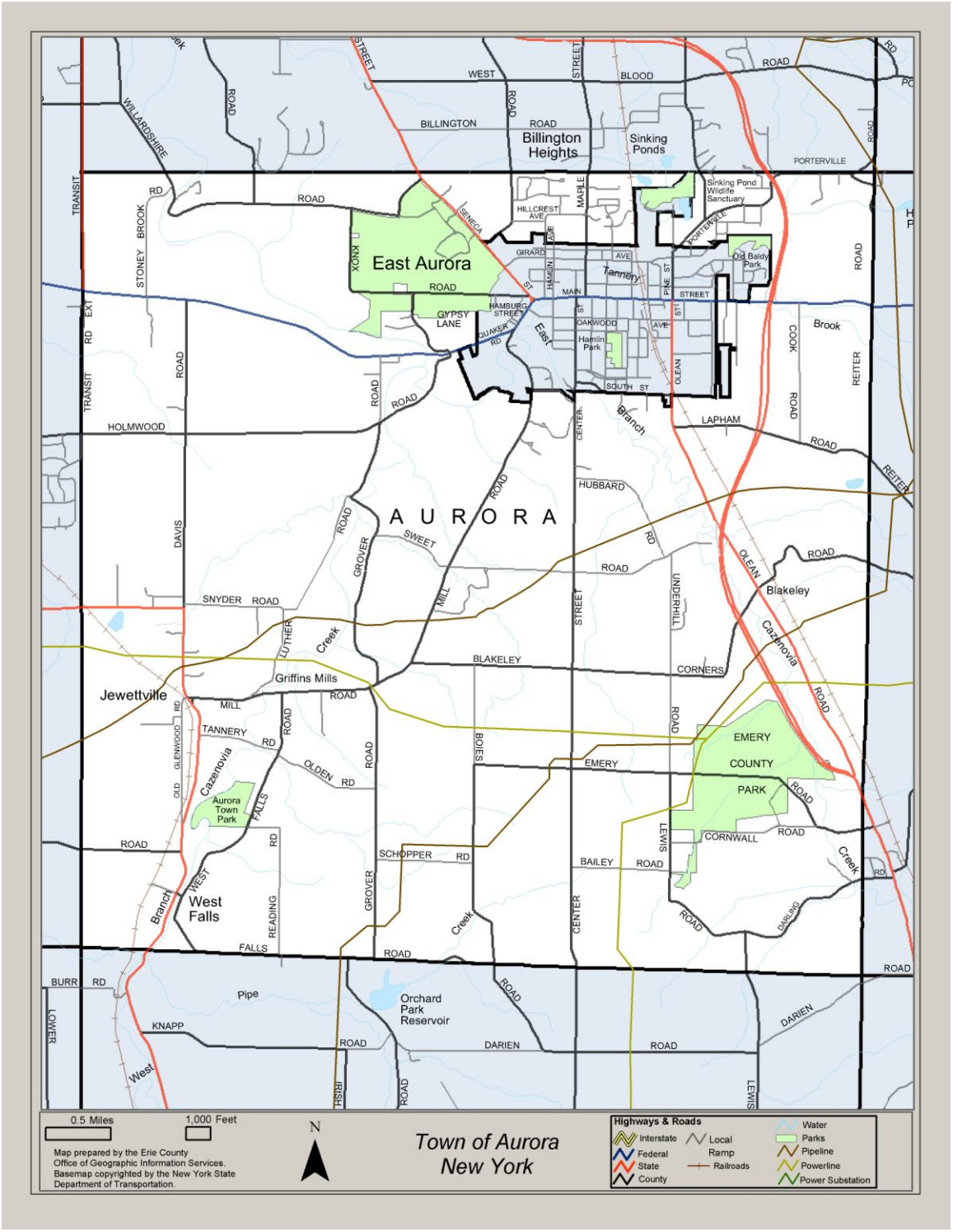


This map lists all facilities that have been defined as critical facilities within Erie County. We have defined critical facilities as transportation systems, utilities, hazardous materials facilities, high potential loss facilities (power plants), and facilities that are essential to the health and welfare of the whole population (hospitals, nursing homes, schools, etc).

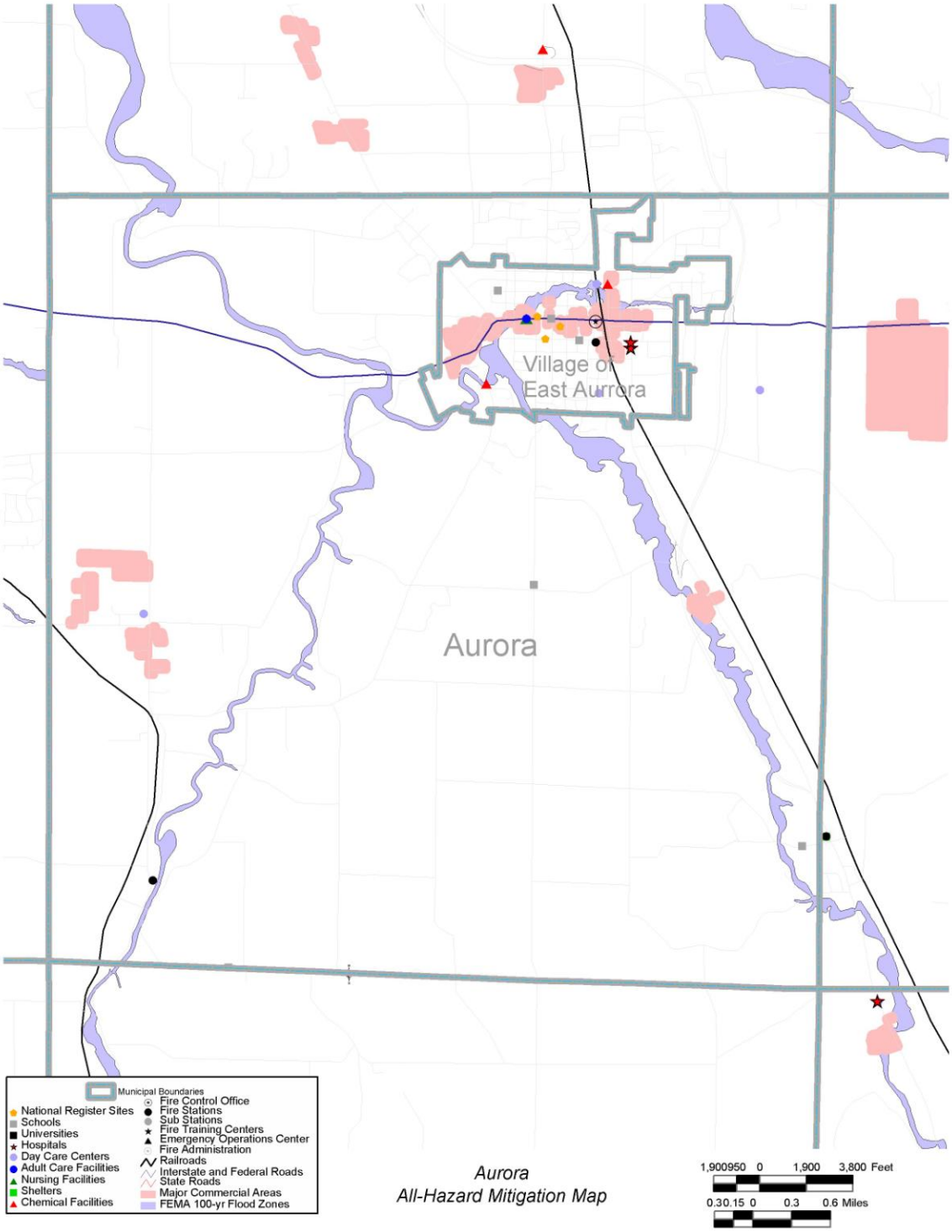

NIAGARA
AMHERST
Tonawanda
Amherst
Williamsville
Getzville
Willow Ridge Estates
Swormville
East Amherst
Creek
Ellicott
Amherst Museum Colony Park
Lou Gehrig Amherst Park
Creekwood Park
North French Recreation Area
Willowridge Park
Brighton Park
Lake LaSalle
Audubon Recreation Center
Clearfield Recreation Center
Bassett Park
Millard Fillmore Suburban Hospital
Great Baehre Conservation Park
GREAT BAEHRE SWAMP STATE WETLANDS
Garnet Park
Daemen College
Lincoln Park
Glen Park
Erie Community College North Campus
Wehrle FAA Recreation Area
GREATER BUFFALO INTERNATIONAL
Heliport
SUNY BUFFALO (Main Street)
VA Med Center
Shoshone Playground
McCarthy Park
St Francis Hospital
GROVER CLEVELAND COUNTY PARK
OLD NIAGARA FALLS BLVD
0.25 Miles
1,200 Feet
N
Map prepared by the Erie County Office of Geographic Information Services. Basemap copyrighted by the New York State Department of Transportation.
Town of Amherst
New York
Highways & Roads
Interstate
Federal
State
County
Local
Ramp
Railroads
Water
Parks
Pipeline
Powerline
Power Substation



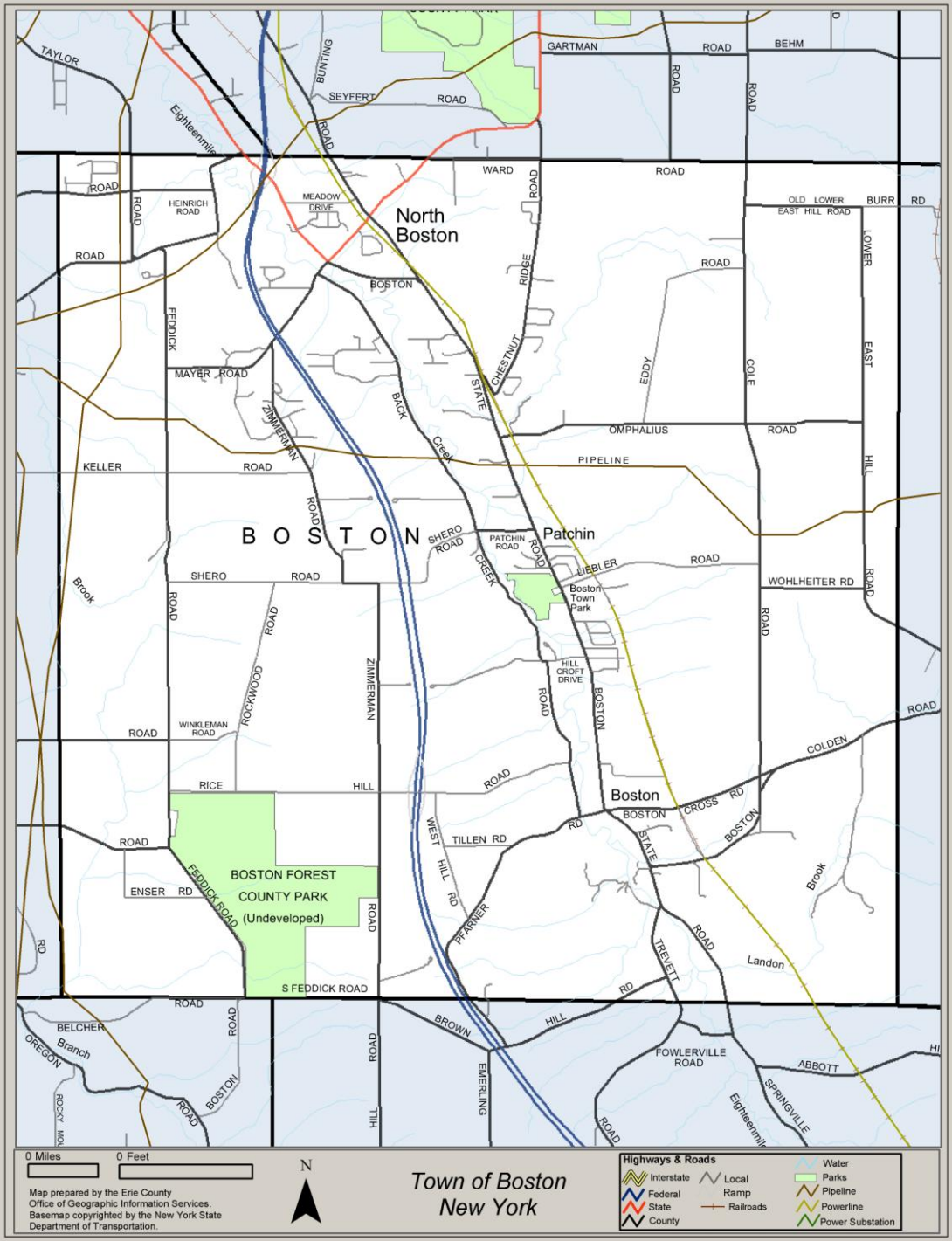
Town of Amherst
All-Hazard Mitigation Map

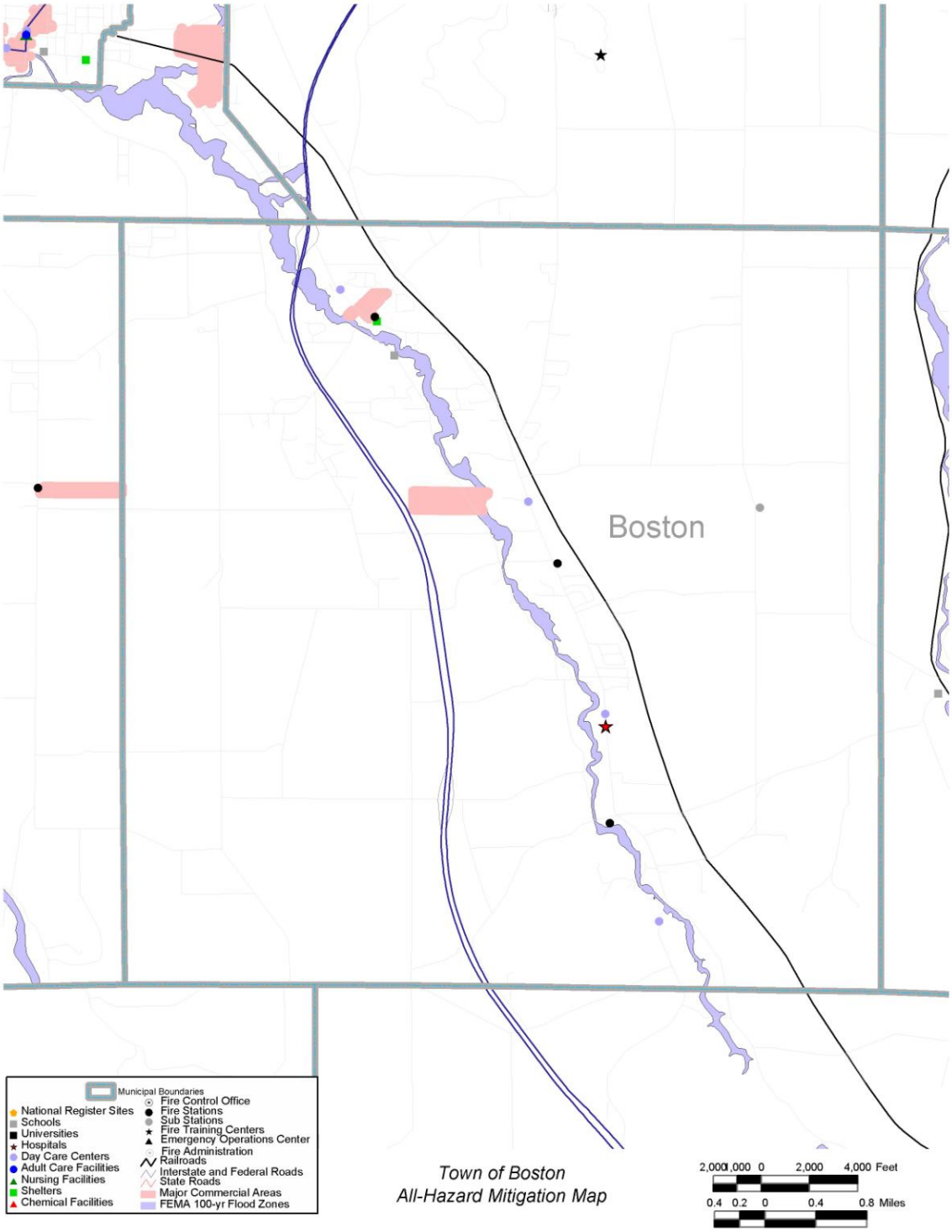


Town of Aurora
New York
0.5 Miles
1,000 Feet
N
Map prepared by the Erie County Office of Geographic Information Services. Basemap copyrighted by the New York State Department of Transportation.
Highways & Roads
Interstate
Federal
State
County
Local
Ramp
Railroads
Water
Parks
Pipeline
Powerline
Power Substation
East Aurora
Billington Heights
Sinking Ponds
Sinking Pond Wildlife Sanctuary
Old Baldy Park
Hamlin Park
Aurora Town Park
Jewettville
Griffins Mills
West Falls
Blakeley
Orchard Park Reservoir
EMERY COUNTY PARK
A U R O R A

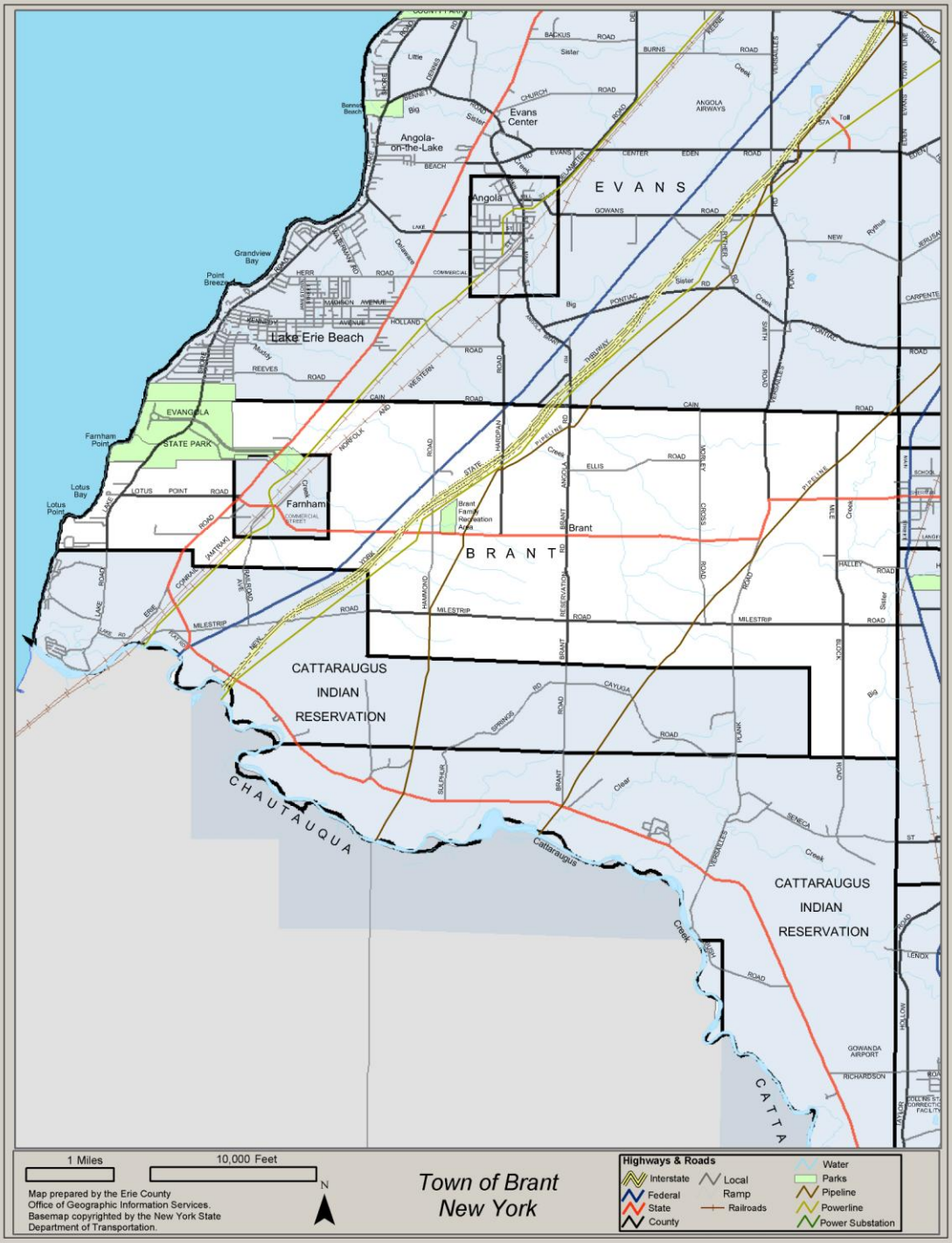


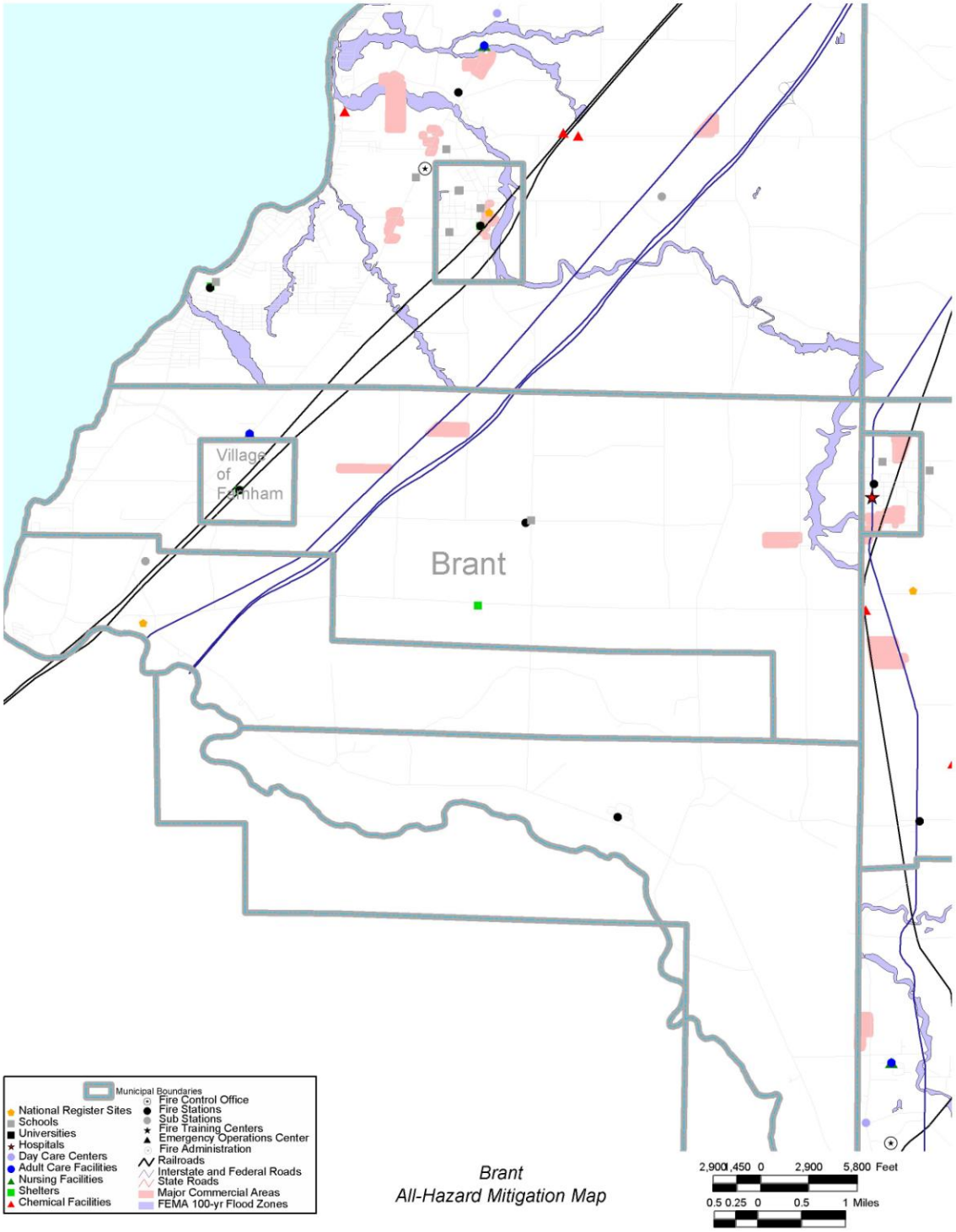
Aurora
All-Hazard Mitigation Map


North Boston
Patchin
Boston
B O S T O N
BOSTON FOREST COUNTY PARK (Undeveloped)
Boston Town Park
TAYLOR
BUNTING
SEYFERT
GARTMAN
BEHM
WARD
MEADOW DRIVE
HEINRICH ROAD
OLD LOWER EAST HILL ROAD
BURR RD
LOWER EAST HILL
FEDDICK
MAYER ROAD
ZIMMERMAN
BACK Creek
STATE
CHESTNUT RIDGE
EDDY
COLE
OMPHALIUS
PIPELINE
KELLER
SHERO ROAD
PATCHIN ROAD
LIEBLER
WOHLHEITER RD
HILL CROFT DRIVE
ROCKWOOD
WINKLEMAN ROAD
COLDEN
RICE HILL
CROSS RD
TILLEN RD
WEST HILL RD
PARKER
ENSER RD
FEDDICK ROAD
S FEDDICK ROAD
TREVETT
Landon Brook
BELCHER
OREGON
Branch
BROWN HILL
EMERLING
FOWLERVILLE ROAD
ABBOTT
SPRINGVILLE
Eighteenmile
0 Miles
0 Feet
N
Map prepared by the Erie County Office of Geographic Information Services. Basemap copyrighted by the New York State Department of Transportation.
Town of Boston
New York
Highways & Roads
Interstate
Federal
State
County
Local
Ramp
Railroads
Water
Parks
Pipeline
Powerline
Power Substation

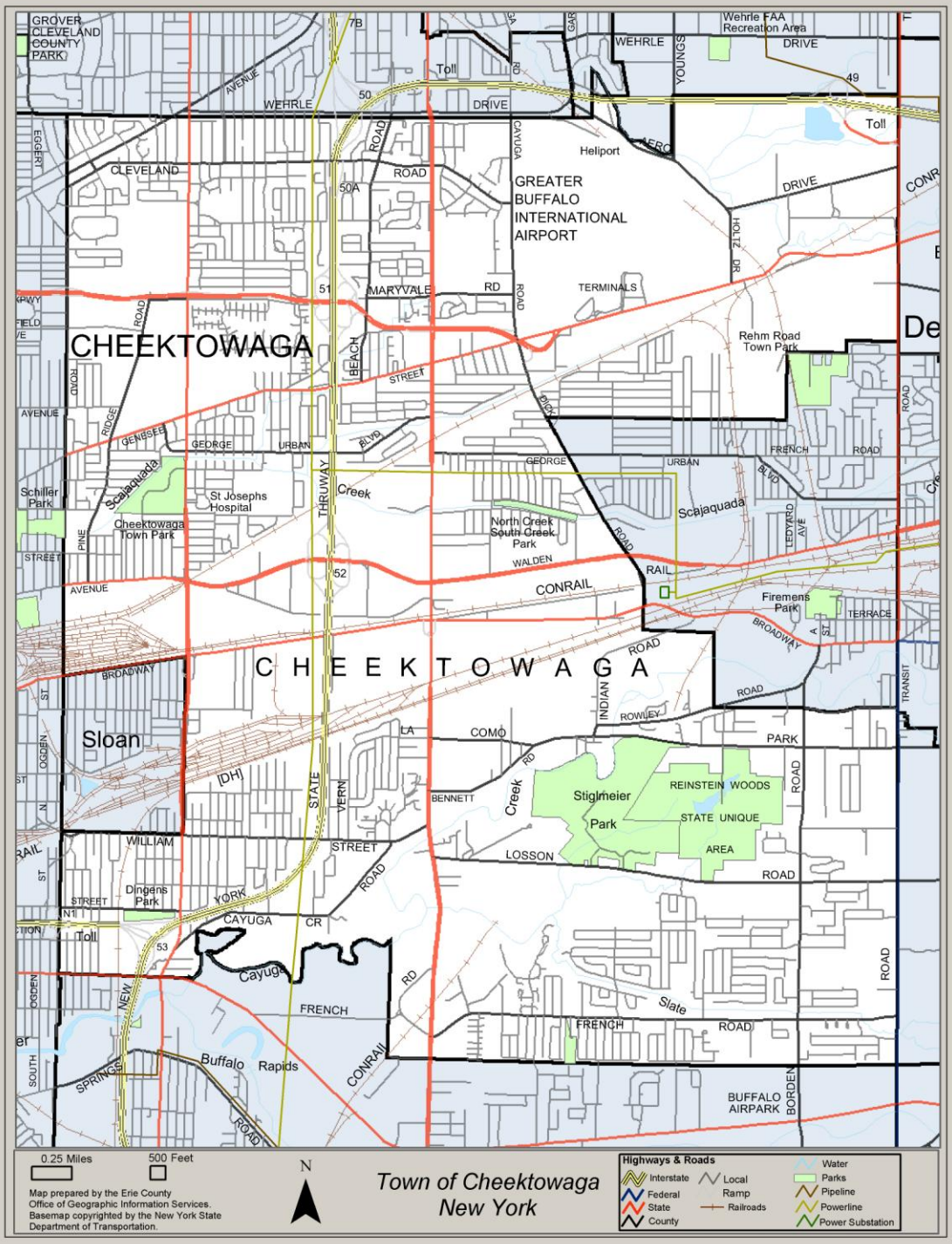


Town of Boston
All-Hazard Mitigation Map


EVANS
BRANT
Angola
Evans Center
Angola-on-the-Lake
Lake Erie Beach
Grandview Bay
Point Breeze
EVANGOLA STATE PARK
Farnham Point
Lotus Bay
Lotus Point
Farnham
Brant
Brant Farms Recreation Area
CATTARAUGUS INDIAN RESERVATION
CHAUTAUQUA
Cattaraugus
CATTARAUGUS INDIAN RESERVATION
ANGOLA AIRWAYS
GOWANDA AIRPORT
1 Miles
10,000 Feet
N
Map prepared by the Erie County Office of Geographic Information Services. Basemap copyrighted by the New York State Department of Transportation.
Town of Brant
New York
Highways & Roads
Interstate
Federal
State
County
Local
Ramp
Railroads
Water
Parks
Pipeline
Powerline
Power Substation



Brant
All-Hazard Mitigation Map



0.25 Miles

500 Feet

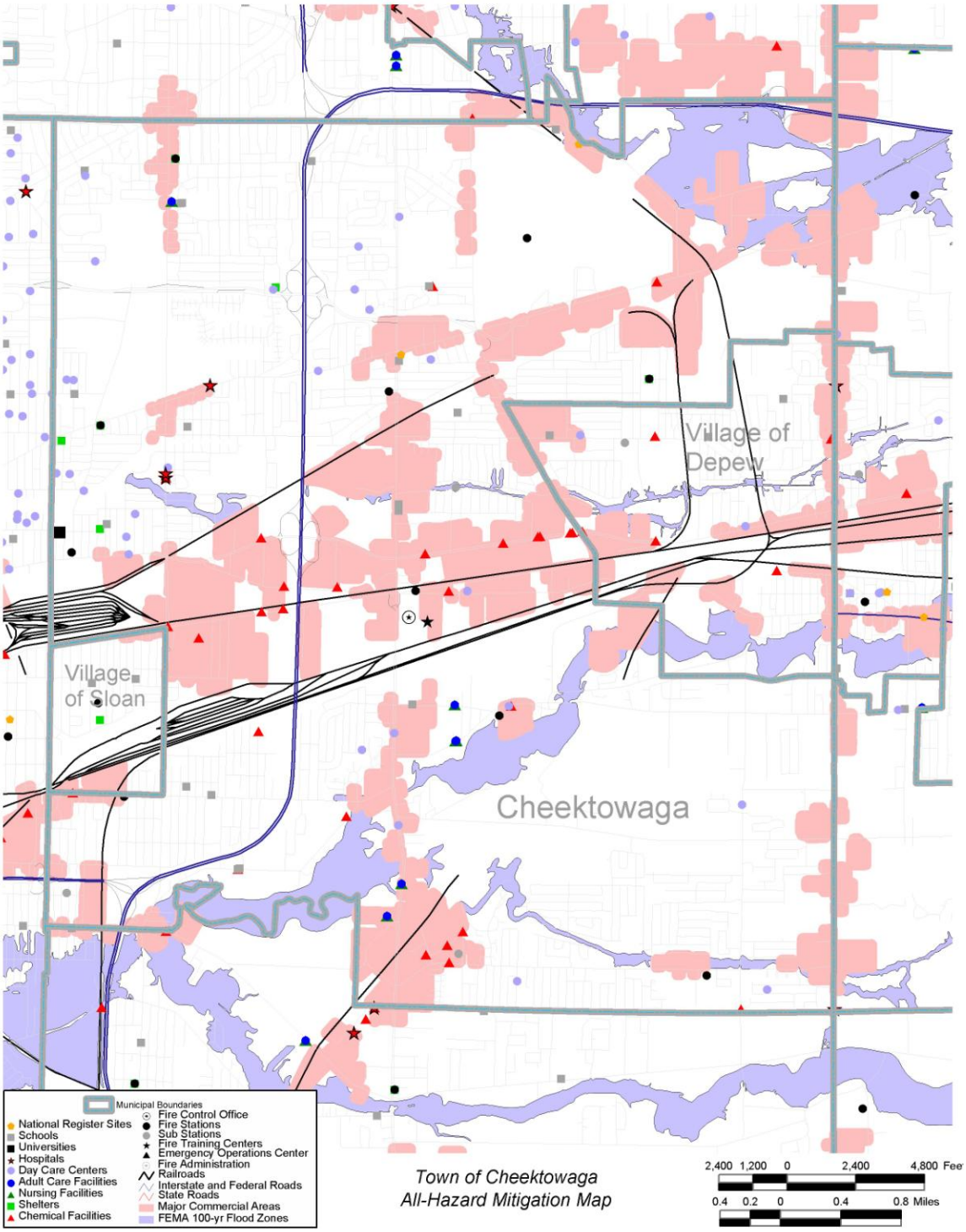
Map prepared by the Erie County Office of Geographic Information Services. Basemap copyrighted by the New York State Department of Transportation.

N

Town of Cheektowaga
New York

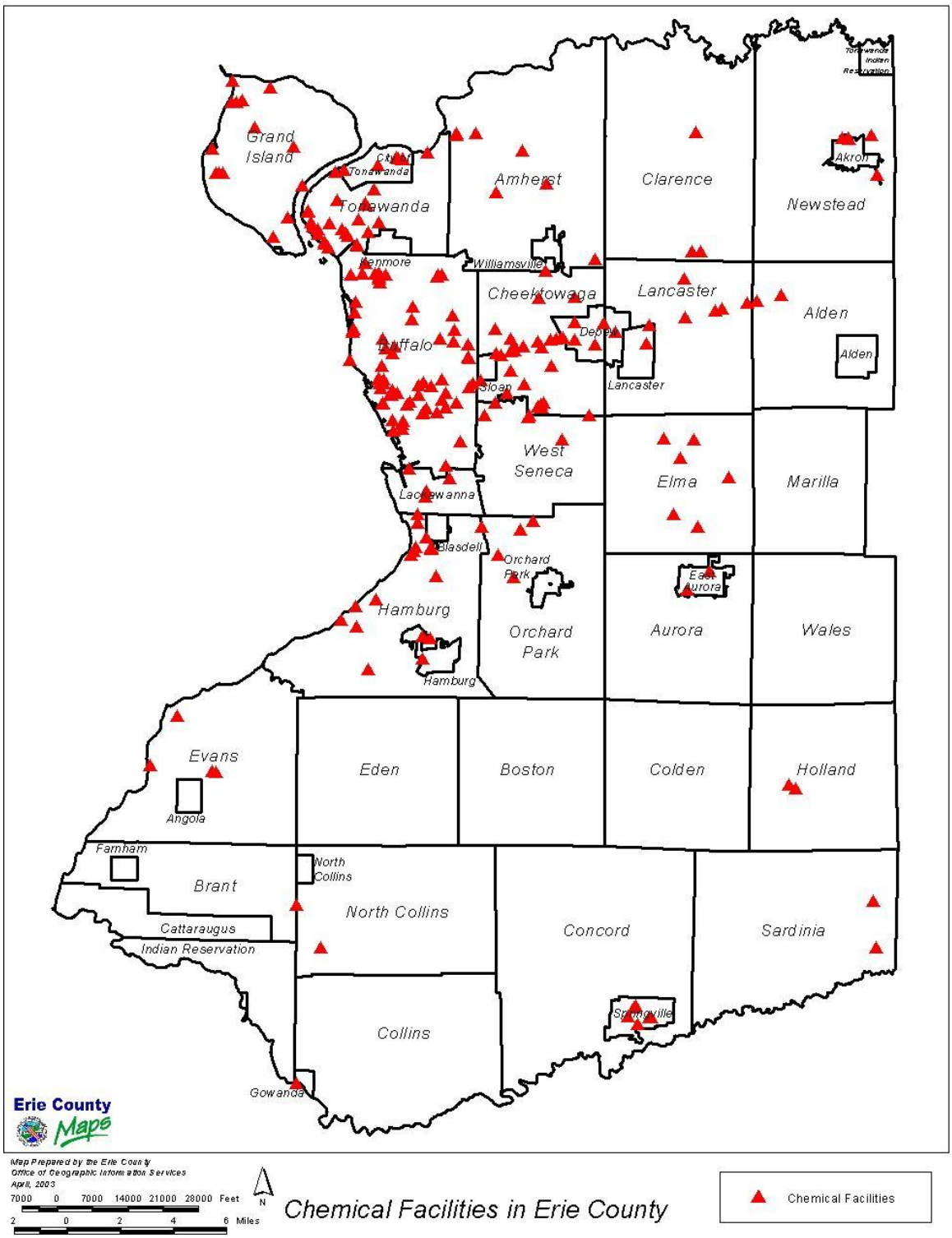
Highways & Roads

- Interstate
- Federal
- State
- County
- Local
- Ramp
- Railroads
- Water
- Parks
- Pipeline
- Powerline
- Power Substation

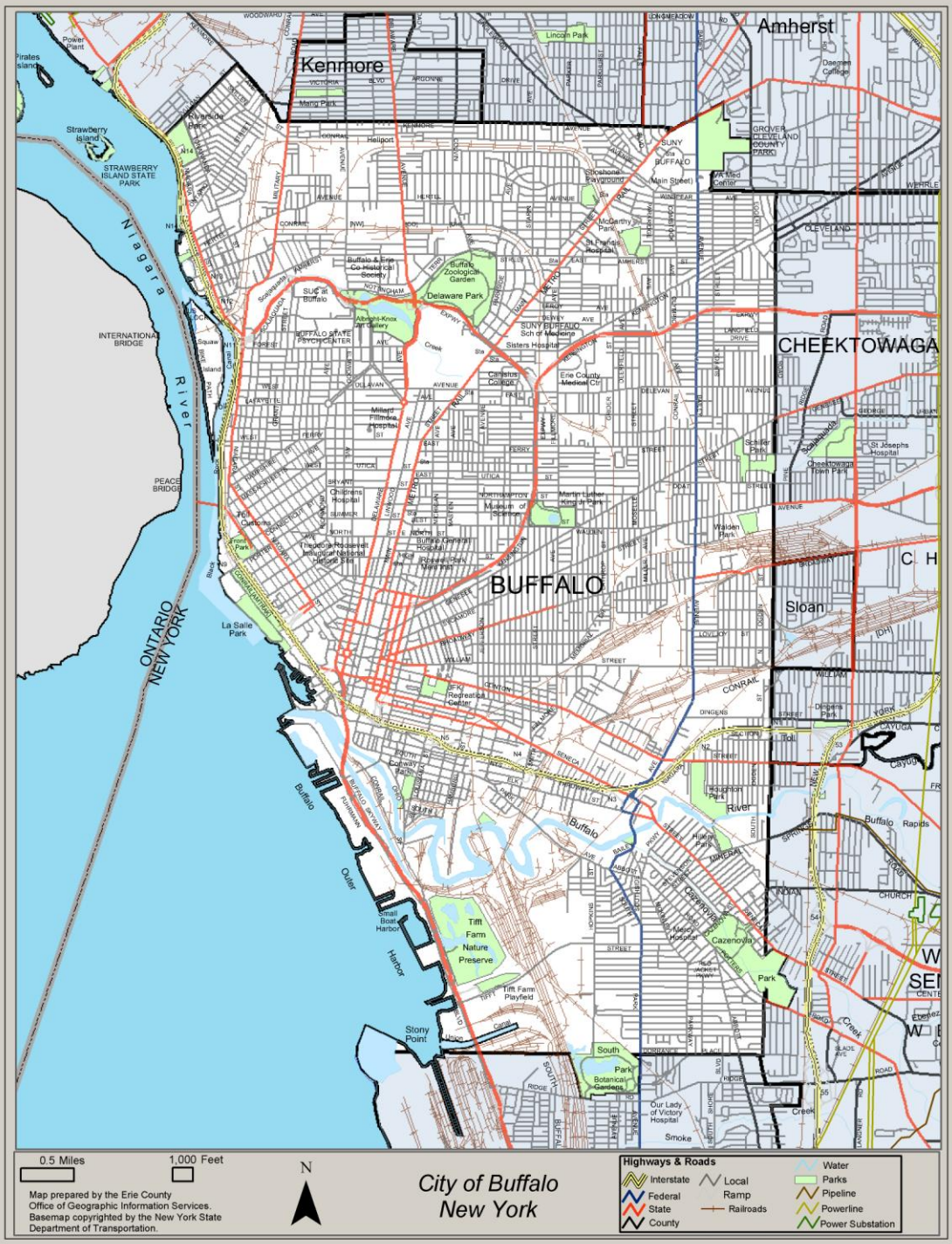


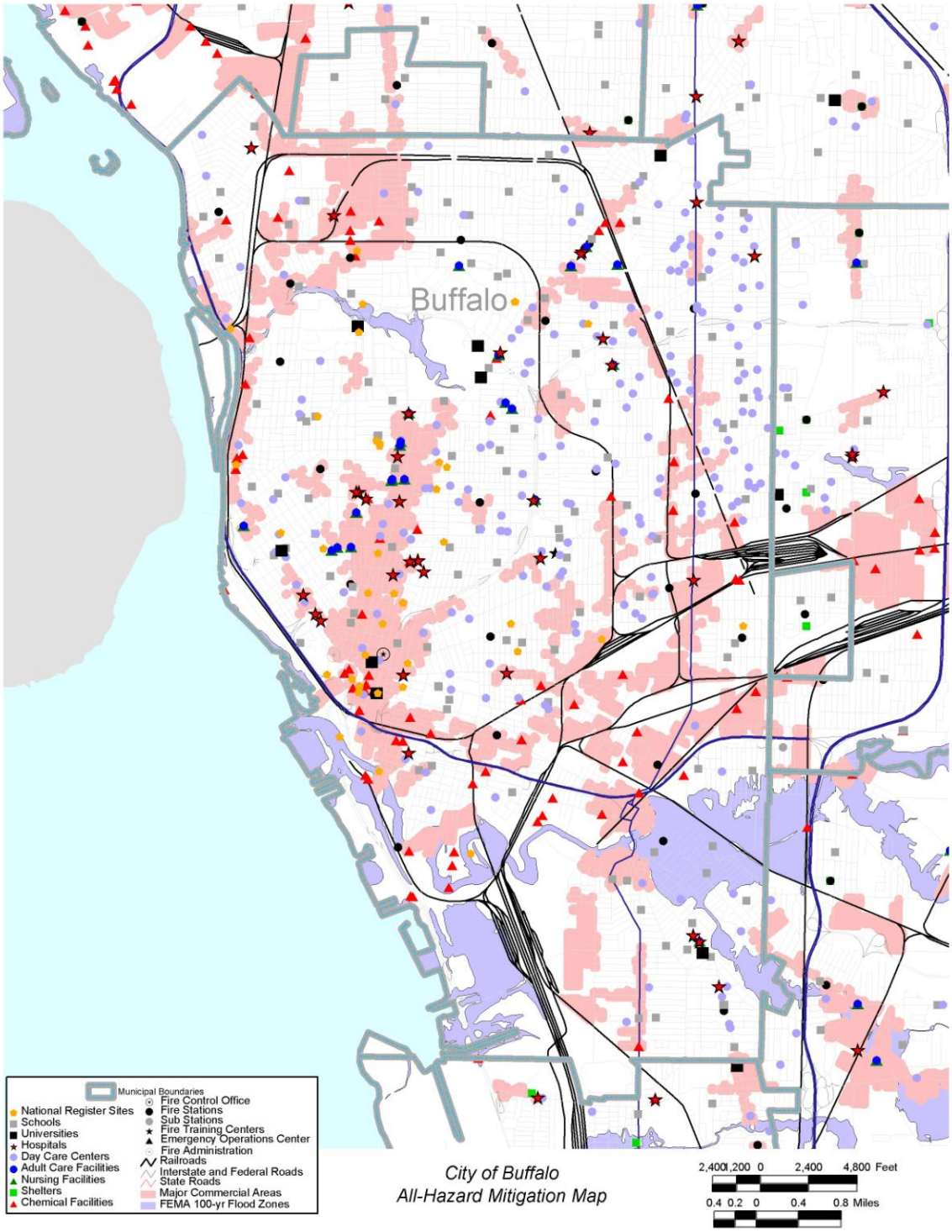
Town of Cheektowaga
All-Hazard Mitigation Map

Document #5



This map provides the location of all chemical facilities within the county. Local Disaster Coordinators incorporate the location and proper hazard response within their municipal plans. Western New York has a history of manufacturing. This creates challenges for mitigation planning as even closed facilities present a potential hazard. Facilities on floodplains and/or located in other high hazard areas are being identified. Once this is accomplished, mitigation measures will be drafted.


Kenmore
Amherst
CHEEKTOWAGA
BUFFALO
Sloan
Niagara River
ONTARIO
NEW YORK
Buffalo Outer Harbor
Stony Point
Tifft Farm Nature Preserve
Delaware Park
Buffalo Zoological Garden
Albright-Knox Art Gallery
Erie County Medical Ctr
Sisters Hospital
Museum of Science
Martin Luther King Jr Park
Buffalo General Hospital
Roswell Park Mem Inst
Childrens Hospital
Millard Fillmore Hospital
Canisius College
Buffalo & Erie Co Historical Society
SUNY BUFFALO
Main Street
Stoshone Playground
McCarthy Park
St Francis Hospital
Lincoln Park
Daemen College
Cheektowaga Town Park
St Josephs Hospital
Walden Park
Schiller Park
Dingens Park
Houghton Park
Cazenovia Park
Mercy Hospital
Our Lady of Victory Hospital
South Park
Botanical Gardens
Tifft Farm Playfield
Small Boat Harbor
La Salle Park
Conway Park
Riverside Park
Strawberry Island
STRAWBERRY ISLAND STATE PARK
INTERNATIONAL BRIDGE
PEACE BRIDGE
Power Plant
Pirates Island
Heliport
Mang Park
Buffalo Rapids
0.5 Miles
1,000 Feet
N
Map prepared by the Erie County Office of Geographic Information Services. Basemap copyrighted by the New York State Department of Transportation.
City of Buffalo
New York
Highways & Roads
Interstate
Federal
State
County
Local
Ramp
Railroads
Water
Parks
Pipeline
Powerline
Power Substation



City of Buffalo
All-Hazard Mitigation Map

0.5 Miles

2,000 Feet

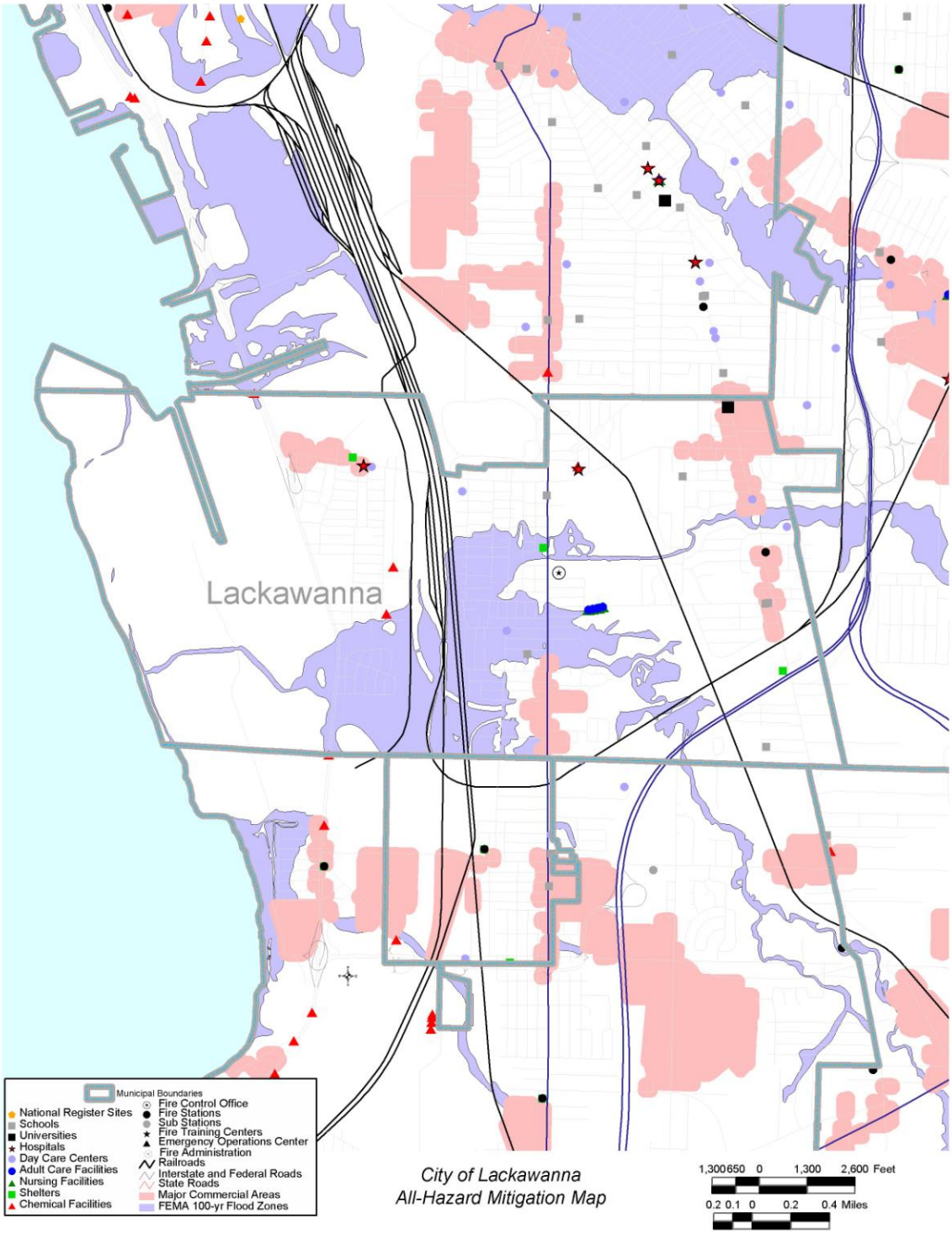
Map prepared by the Erie County Office of Geographic Information Services. Basemap copyrighted by the New York State Department of Transportation.

N

City of Lackawanna
New York

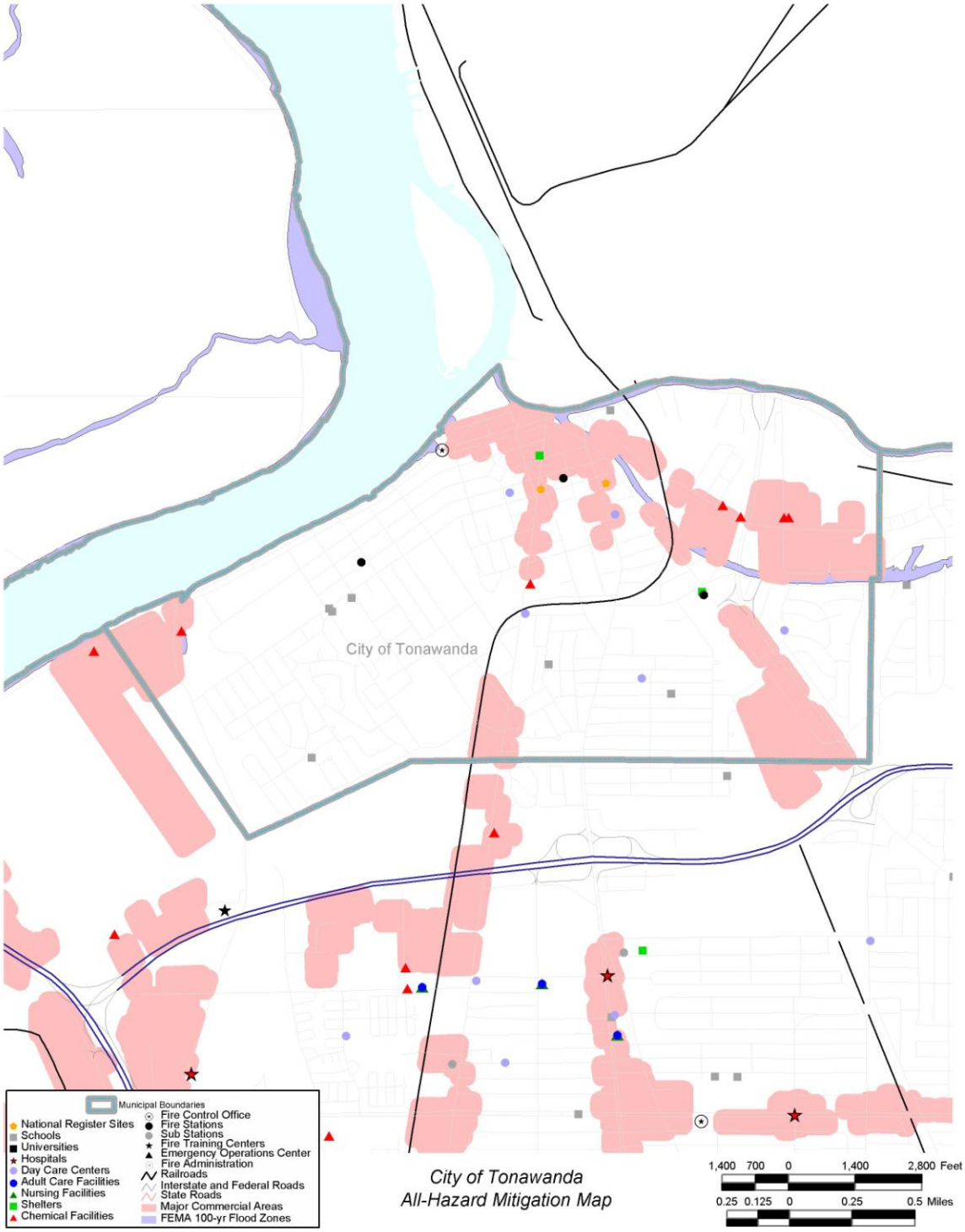
Highways & Roads

- Interstate
- Federal
- State
- County
- Local
- Ramp
- Railroads
- Water
- Parks
- Pipeline
- Powerline
- Power Substation

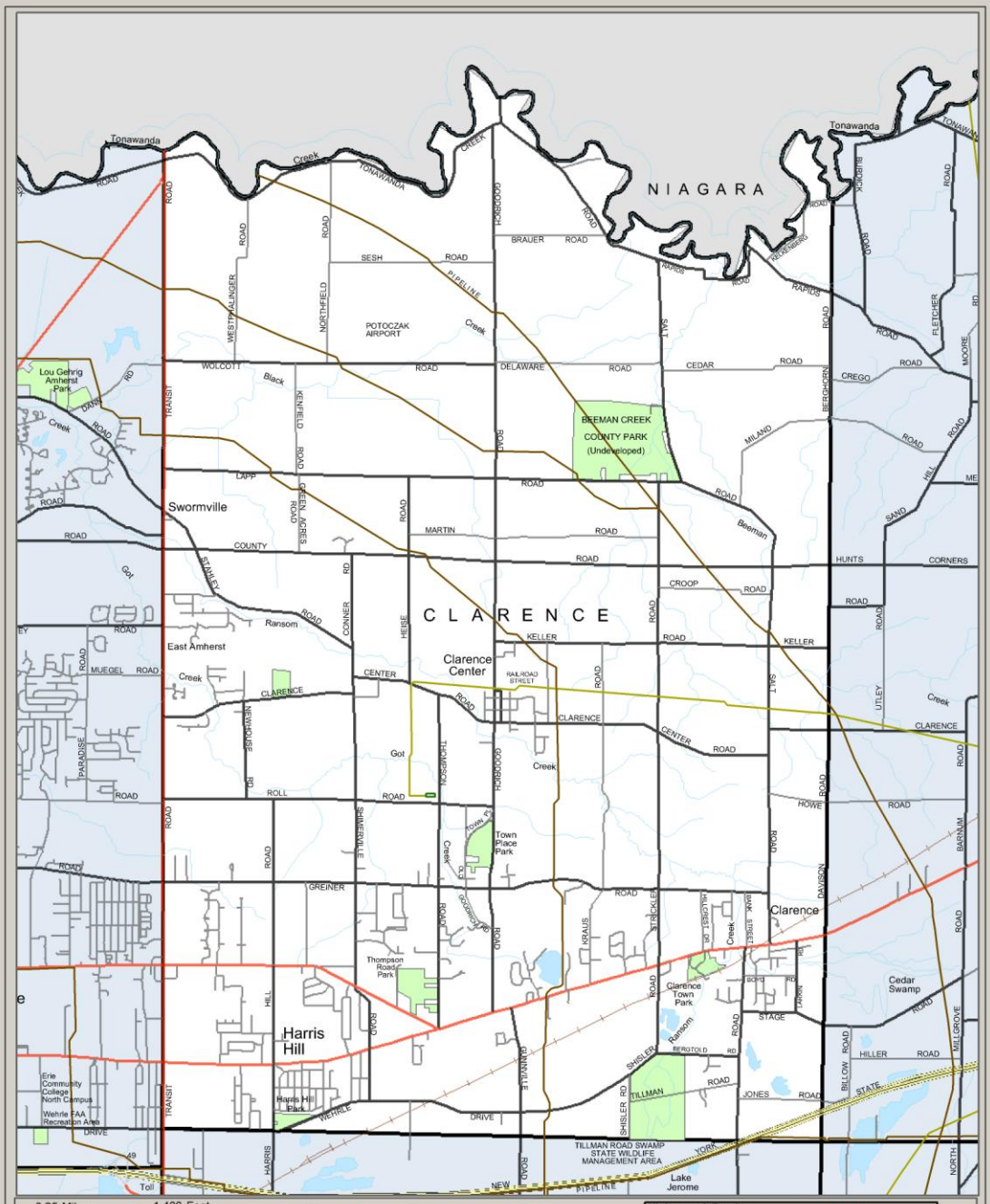


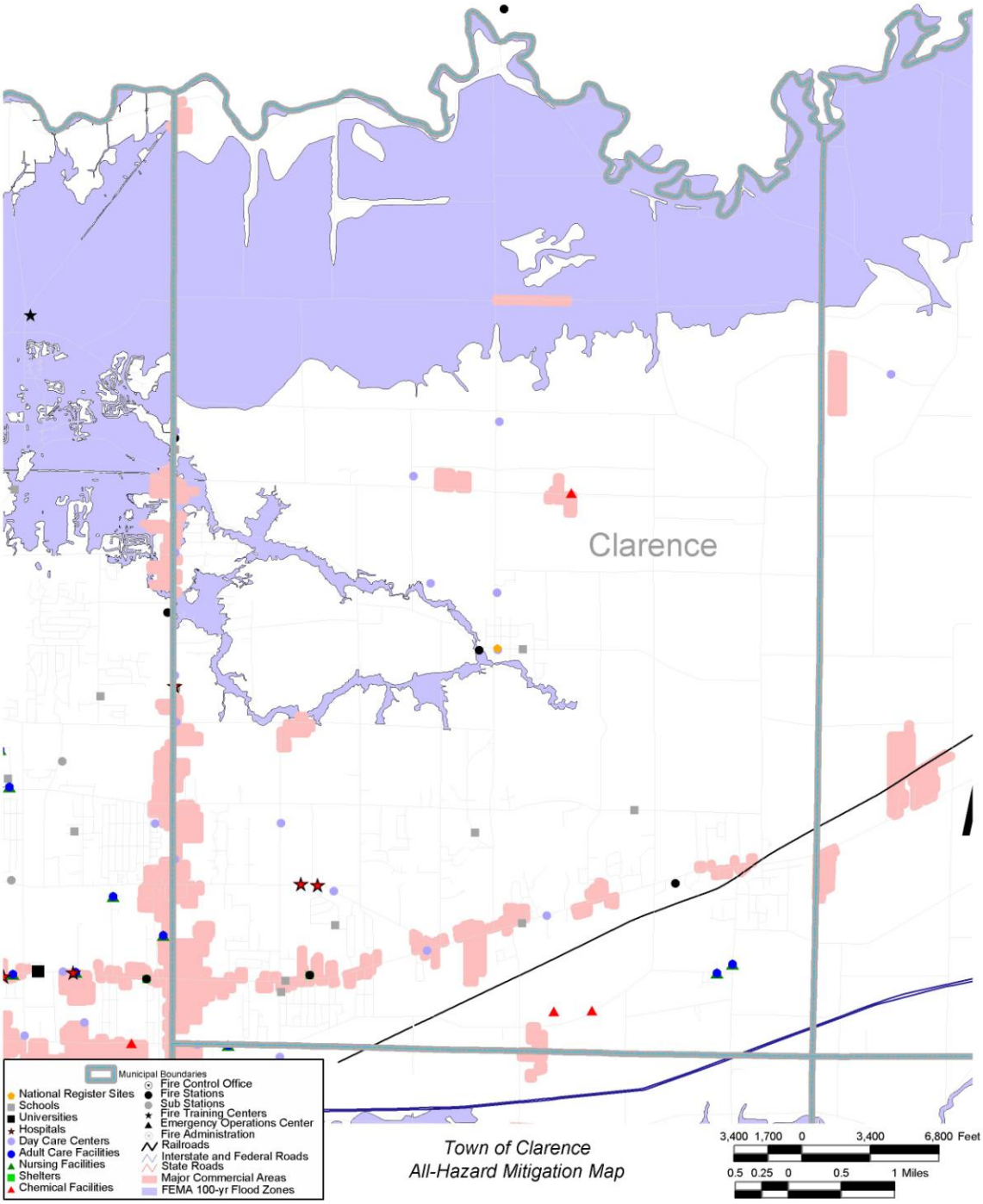
City of Lackawanna
All-Hazard Mitigation Map

ROAD
Tonawanda Island
Little
River
Creek
ROAD
ERIE
CANAL
EAST
East Niagara Park
TWIN CITIES MEMORIAL HIGHWAY
FILLMORE
STREET
STREET
YOUNG
AVE
Ellicott
STATE ST
ELLICOTT
Nia-Wanda
Park
PARK
Veterans Memorial Park
Twomile
TWOMILE CREEK RD
FLETCHER
WHEELER
ST
MAIN
DELAWARE
Ives Pond Park
STREET
Tonawanda
Creek
1A
1B
MEMORIAL
Walter Kenney Field
BRIGHTON
COLVIN
Expressway Field
YOUNGMAN
ROAD
[DH]
KNOCHE ROAD
ENSMINGER
RD
TONAWAN
N16
EAST
PARK
Parkside Community Center
[CO]
ELMWOOD
DELAWARE
BELMONT
BLVD
Sheridan Park
CREEK
0.08 Miles
1,500 Feet
Map prepared by the Erie County Office of Geographic Information Services. Basemap copyrighted by the New York State Department of Transportation.
N
City of Tonawanda
New York
Highways & Roads
Interstate
Federal
State
County
Local
Ramp
Railroads
Water
Parks
Pipeline
Powerline
Power Substation



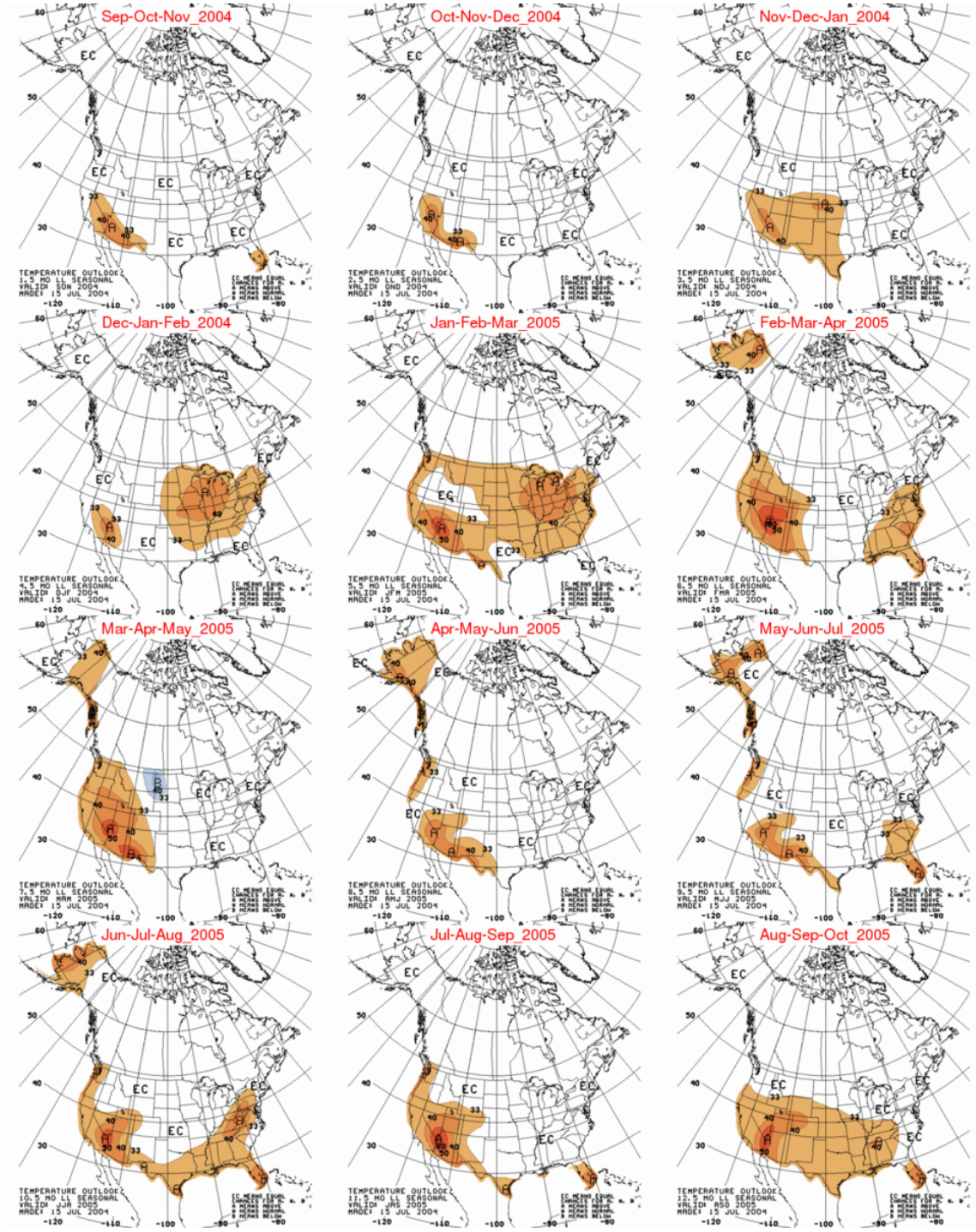
City of Tonawanda
All-Hazard Mitigation Map


NIAGARA
Tonawanda
Creek
CLARENCE
Swormville
East Amherst
Clarence Center
Harris Hill
Clarence
POTOCZAK AIRPORT
BEEMAN CREEK COUNTY PARK (Undeveloped)
Lou Gehrig Amherst Park
Town Place Park
Thompson Road Park
Clarence Town Park
Harris Hill Park
Erie Community College North Campus
Wehrle FAA Recreation Area
Cedar Swamp
TILLMAN ROAD SWAMP STATE WILDLIFE MANAGEMENT AREA
Lake Jerome
Toll
0.25 Miles
1,400 Feet
N
Map prepared by the Erie County Office of Geographic Information Services. Basemap copyrighted by the New York State Department of Transportation.
Town of Clarence
New York
Highways & Roads
Interstate
Federal
State
County
Local
Ramp
Railroads
Water
Parks
Pipeline
Powerline
Power Substation



Town of Clarence
All-Hazard Mitigation Map

Document #22

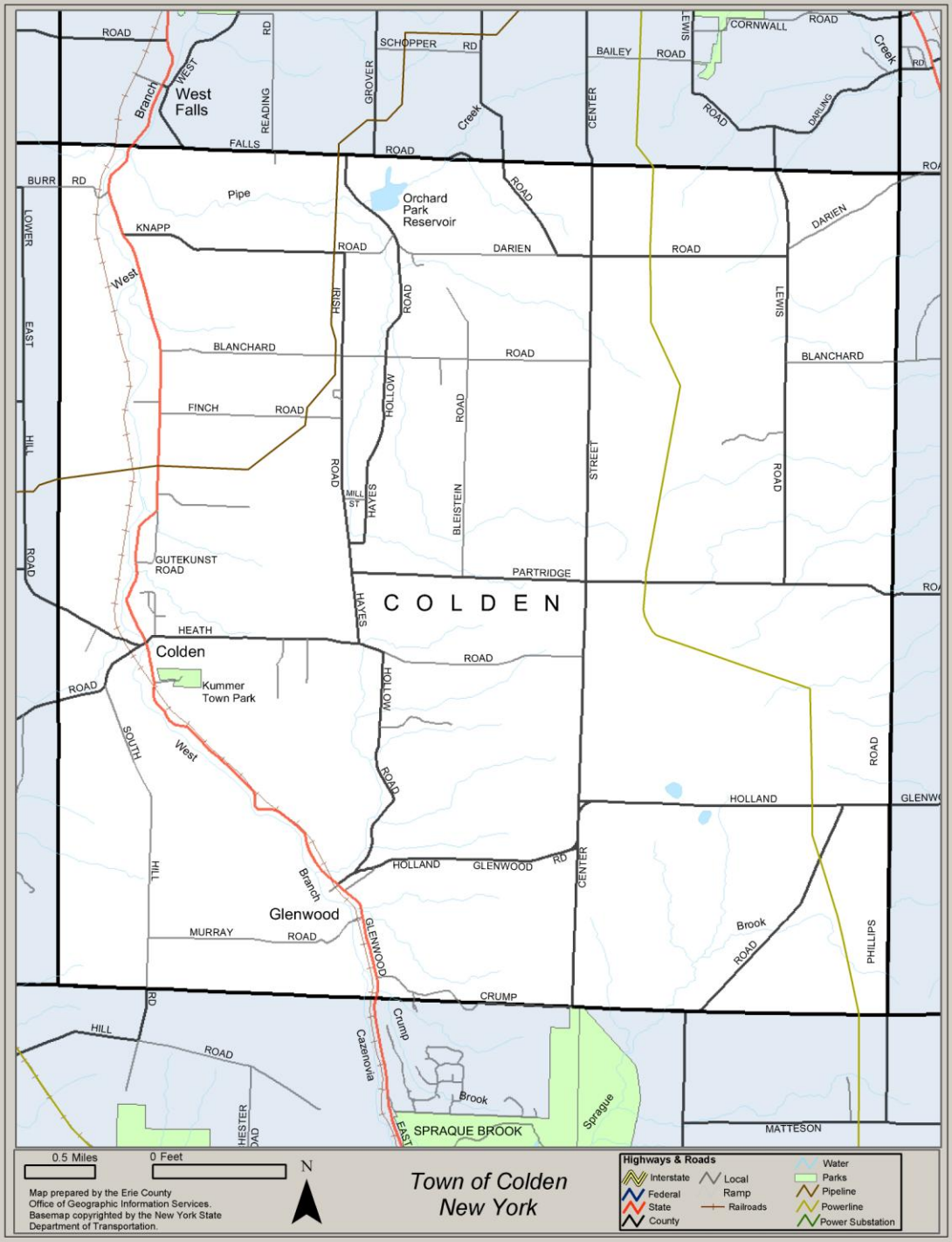

Sep-Oct-Nov_2004
Oct-Nov-Dec_2004
Nov-Dec-Jan_2004
Dec-Jan-Feb_2004
Jan-Feb-Mar_2005
Feb-Mar-Apr_2005
Mar-Apr-May_2005
Apr-May-Jun_2005
May-Jun-Jul_2005
Jun-Jul-Aug_2005
Jul-Aug-Sep_2005
Aug-Sep-Oct_2005

Climate Outlook

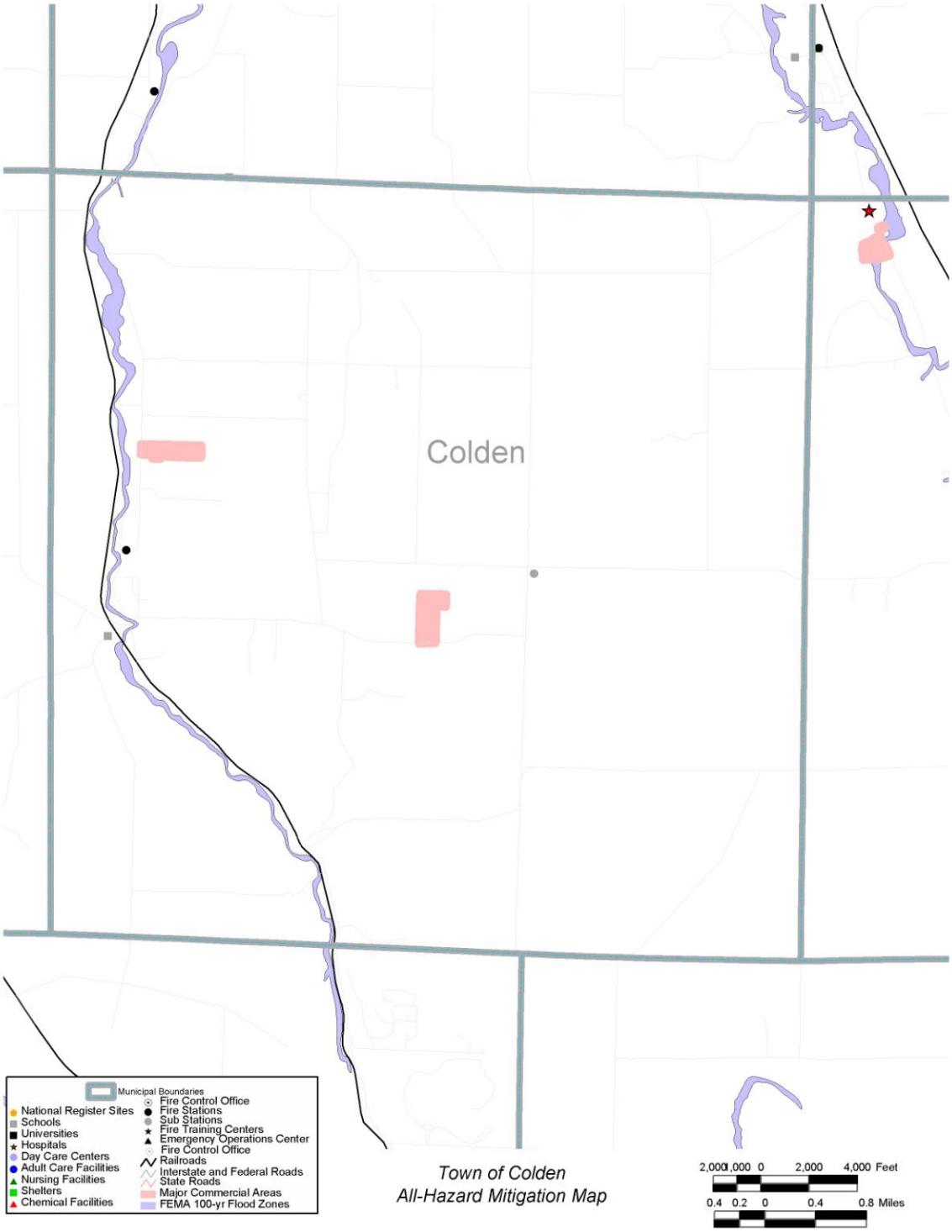
The key below is used to interpret each of the color versions of the ***Climate Outlook*** products. In areas where confidence in predictive skill has been established, the probabilities of the above normal, near normal or below normal categories are increased accordingly above the climatology level of 1/3 for each category. These probabilities are contoured at intervals using colors as depicted in the key below.
In those areas where the skill of our present prediction tools is not sufficient, the default is climatology (white color). The probabilities of experiencing each of the three categories (above normal, near normal or below normal) remain equally likely (1/3) in the white areas on attached maps.

Precip	Temp	Probability anomaly as shown on map	Probability of occurrence for each class			Most likely category
			A	N	B	
		40%-50%	73.3%-83.3%	23.3%-13.3%	3.3%	"Above"
		30%-40%	63.3%-73.3%	33.3-23.3%	3.3%	"Above"
		20%-30%	53.3-63.3%	33.3%	13.3%-3.3%	"Above"
		10%-20%	43.3-53.3%	33.3%	18.3%-28.3%	"Above"
		5%-10%	38.3-43.3%	33.3%	28.3%-23.3%	"Above"
		0%-5%	33.3-38.3%	33.3%	28.3%-33.3%	"Above"
		0%-5%	30.8%-33.3%	33.3%	30.8%-33.3%	"Near Normal"
		5%-10%	28.3%-30.8%	33.3%	28%.3-30.8%	"Near Normal"
		0%-5%	28.3%-33.33%	33.3%	33.3%-38.3%	"Below"
		5%-10%	23.3%-28.3%	33.3%	38.3%-43.3%	"Below"
		10%-20%	28.3%-18.3%	33.3%	43.3%-53.3%	"Below"
		20%-30%	13.3%-3.3%	33.3%	53.3-63.3%	"Below"
		30%-40%	3.3%	33.3%-23.3%	63.3%-73.3%	"Below"
		40%-50%	3.3%	23.3%-13.3%	73.3%-83.3%	"Below"
		0%	33.3%	33.3%	33.3%	"Climatology"

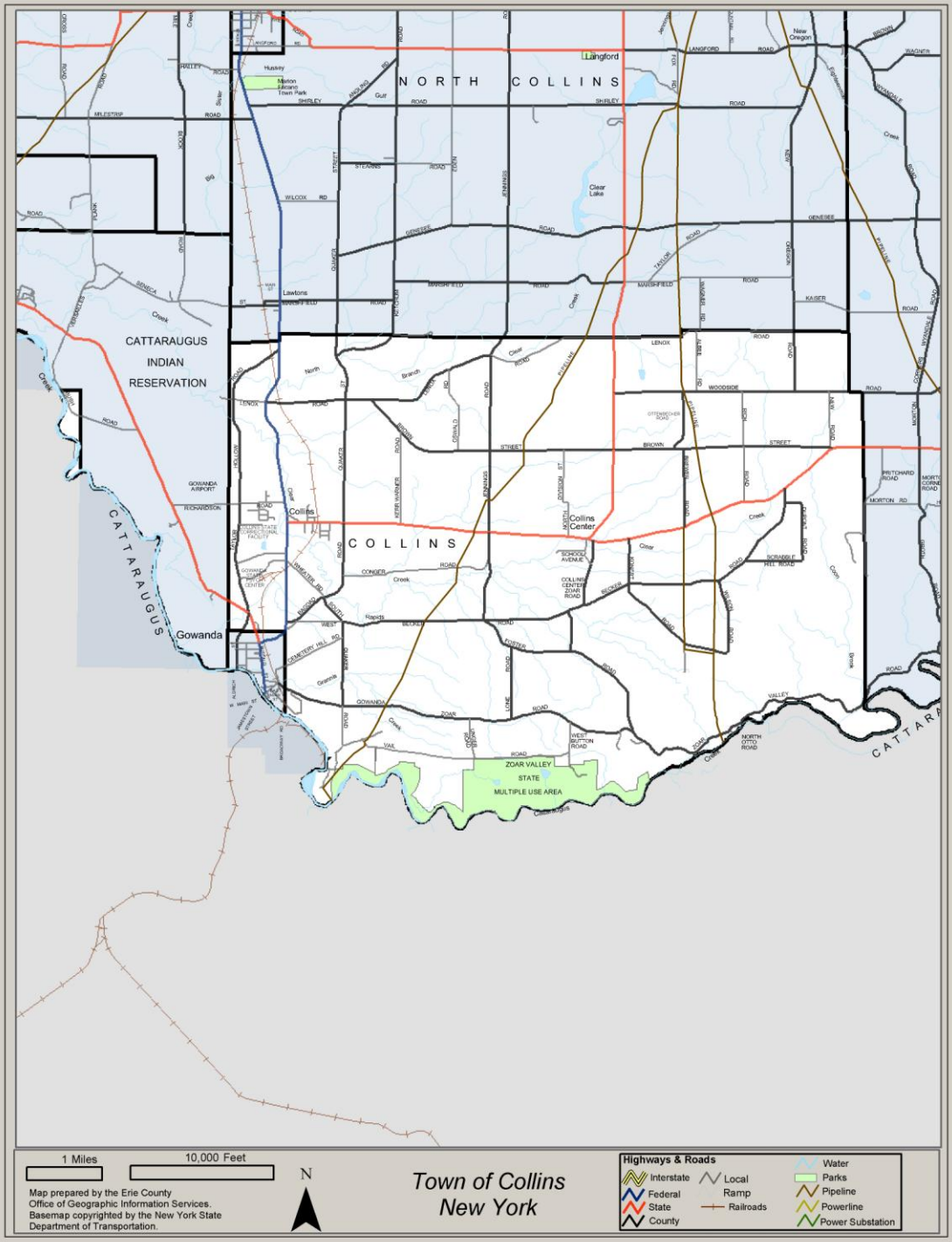
This map describes the climate outlook for the general area of New York. As climate plays a considerable role in many natural disasters, this map has been included.

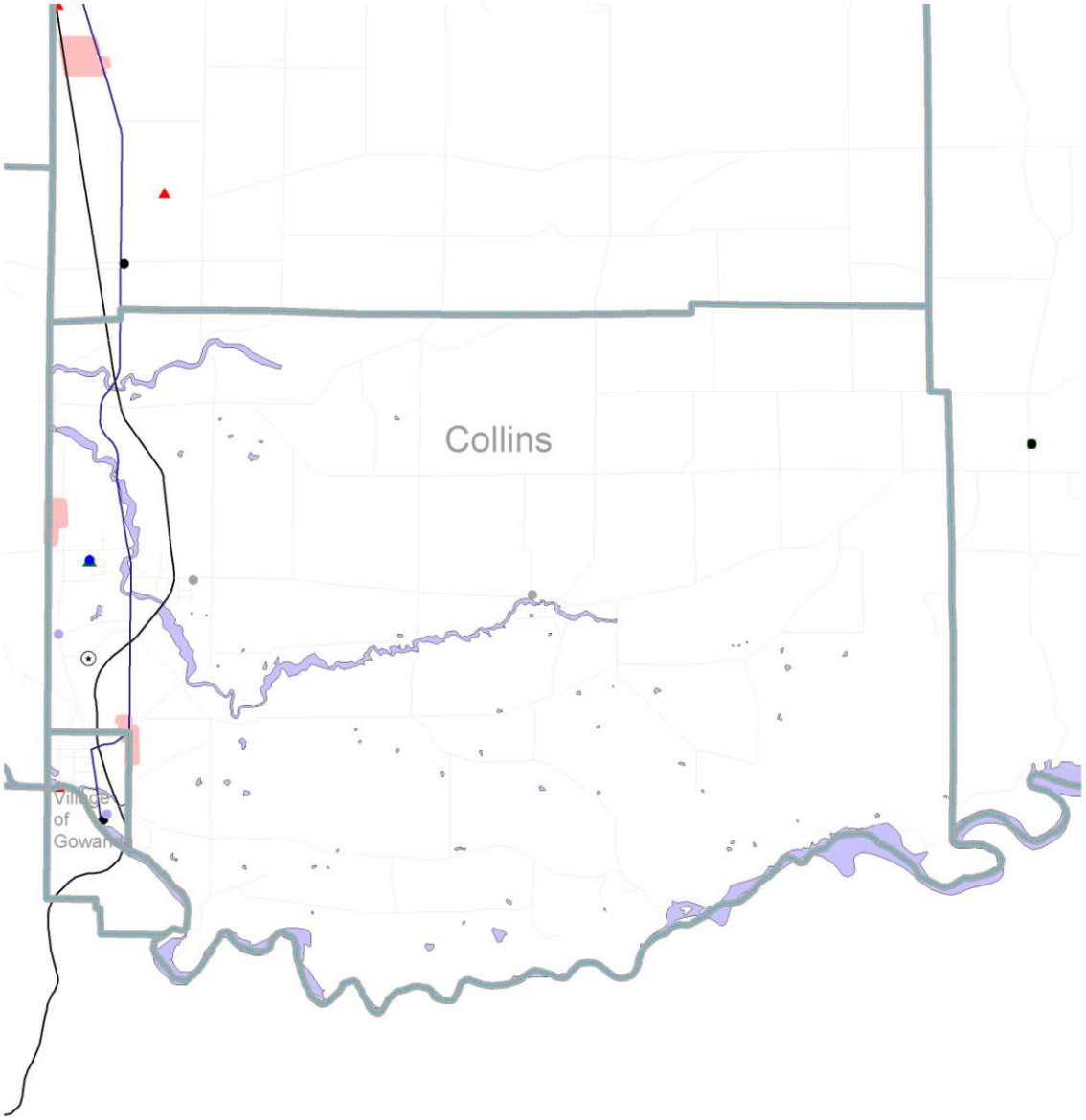


West Falls
Orchard Park Reservoir
Colden
Kummer Town Park
Glenwood
COLDEN
SPRAQUE BROOK
0.5 Miles
0 Feet
N
Map prepared by the Erie County Office of Geographic Information Services. Basemap copyrighted by the New York State Department of Transportation.
Town of Colden New York
Highways & Roads
Interstate
Federal
State
County
Local
Ramp
Railroads
Water
Parks
Pipeline
Powerline
Power Substation



Town of Colden
All-Hazard Mitigation Map

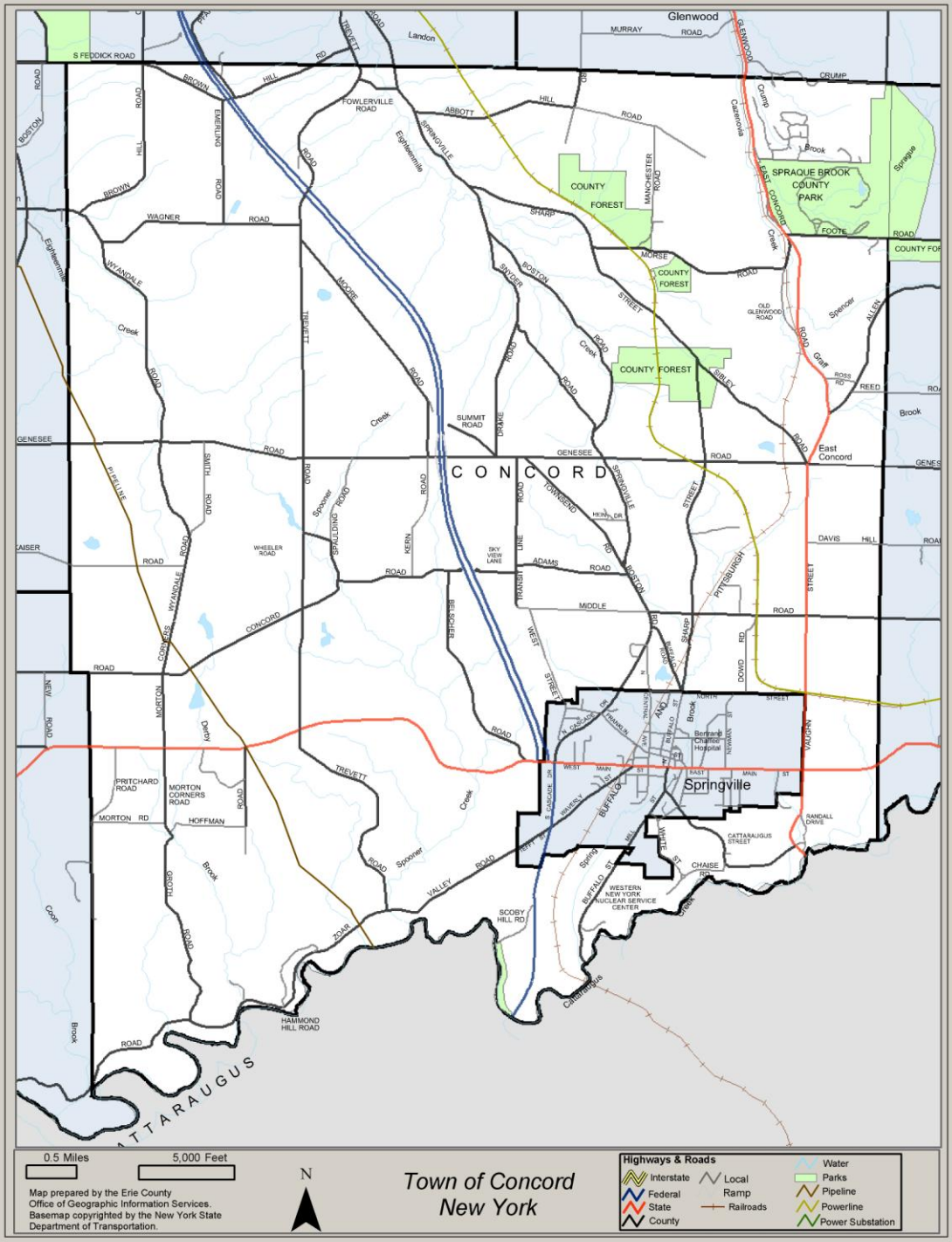

NORTH COLLINS
Langford
Lawtons
Clear Lake
CATTARAUGUS INDIAN RESERVATION
CATTARAUGUS
Gowanda
Collins
Collins Center
COLLINS
ZOAR VALLEY STATE MULTIPLE USE AREA
1 Miles
10,000 Feet
N
Map prepared by the Erie County Office of Geographic Information Services. Basemap copyrighted by the New York State Department of Transportation.
Town of Collins
New York
Highways & Roads
Interstate
Federal
State
County
Local
Ramp
Railroads
Water
Parks
Pipeline
Powerline
Power Substation



Municipal Boundaries
National Register Sites
Schools
Universities
Hospitals
Day Care Centers
Adult Care Facilities
Nursing Facilities
Shelters
Chemical Facilities
Fire Control Office
Fire Stations
Sub Stations
Fire Training Centers
Emergency Operations Center
Fire Control Office
Railroads
Interstate and Federal Roads
State Roads
Major Commercial Areas
FEMA 100-yr Flood Zones

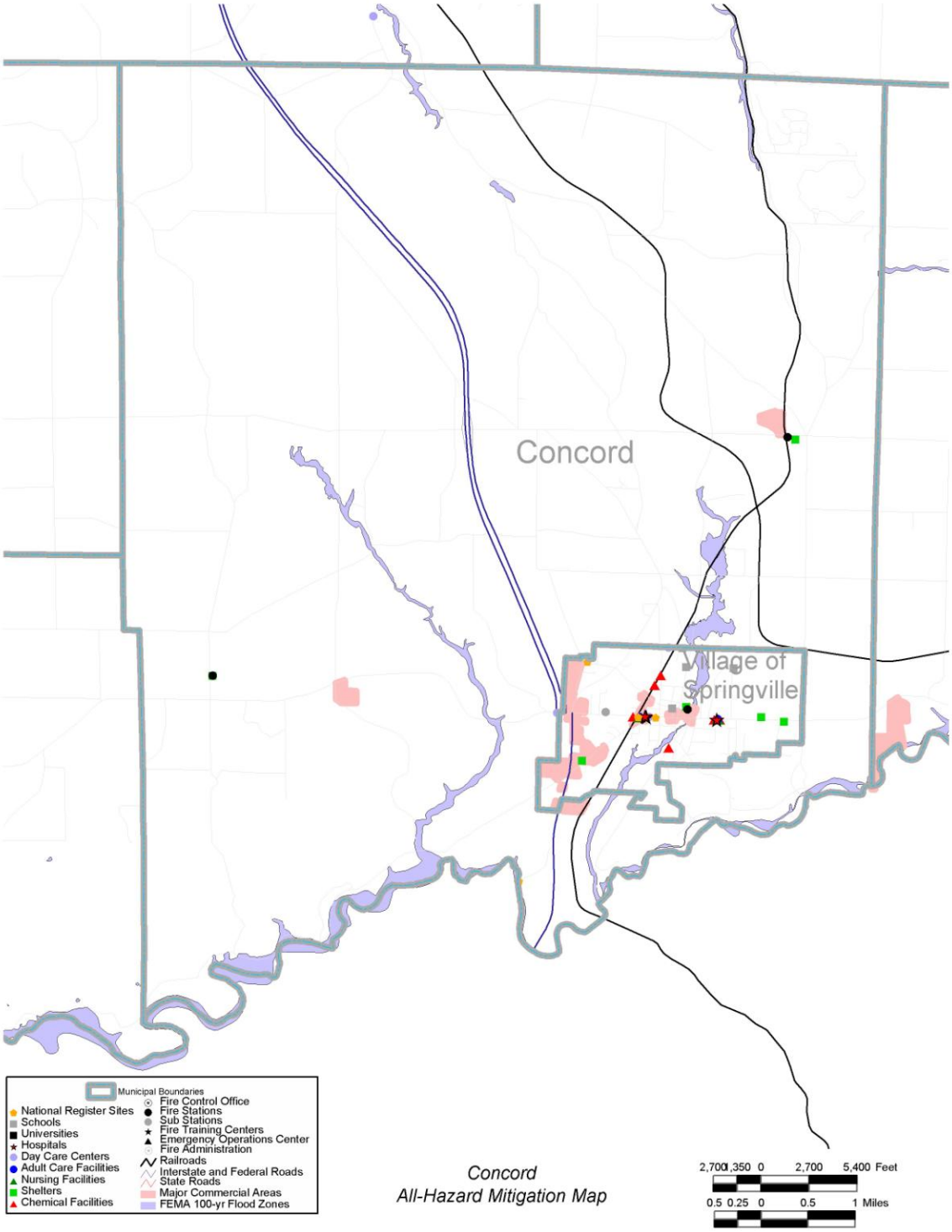
Collins
All-Hazard Mitigation Map

2,700 1,350 0 2,700 5,400 Feet
0.5 0.25 0 0.5 1 Miles



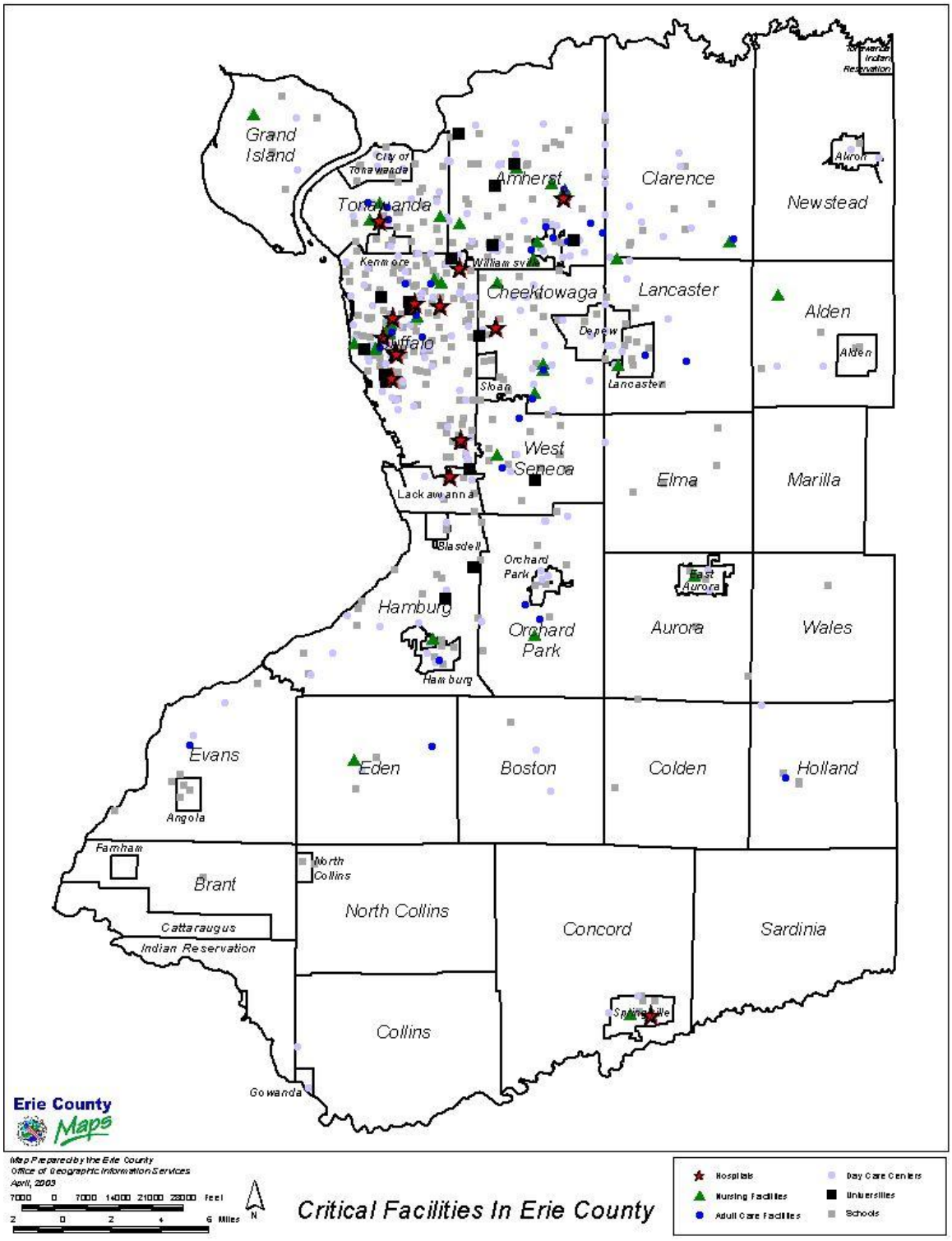
Map prepared by the Erie County Office of Geographic Information Services. Basemap copyrighted by the New York State Department of Transportation.

Town of Concord
New York

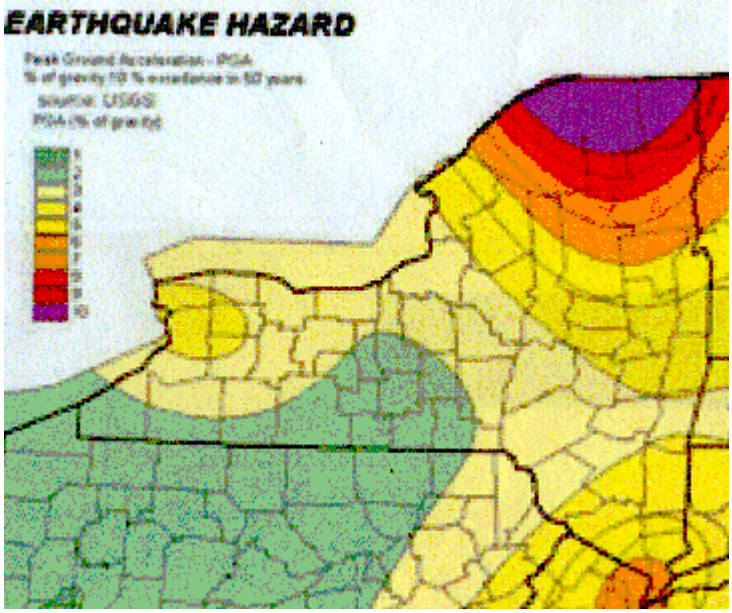


Concord
All-Hazard Mitigation Map

Document #7



This map presents an overall view of the critical facilities within the county. Please refer to individual municipality maps located in Section 4:Risk Assessment: Identifying Assets for a clearer view.



This map shows the national Peak Ground Acceleration (PGA) values for New York State with a 10% chance of being exceeded over 50 years. This is a common earthquake measurement that shows three things: the geographic area affected (all colored areas on the mao), the probability of an earthquake of each given level of severity (10% chance in 50 years), and the severity (the PGA is indicated by color).

Peak Ground Acceleration (PGA) is a measure of the strength of ground movements. The PGA measures the rate in change of motion relative to the established rate of acceleration due to gravity (g) (9.8 meters per second squared) or (980 cm/sec/sec). For example, in an earthquake with an acceleration of the ground surface of 244 cm/sec/sec, the PGA or rate in change of motion is 25%g or %g = Ground Surface Acceleration divided by Rate of Acceleration due to gravity; %g = (244 cm/sec/sec) / (980cm/sec/sec); and %g = 25%.

MMI	Acceleration (%g) (PGA)	Perceived Shaking	Potential Damage
I	< .17	Not Felt	None
II	.17 – 1.4	Weak	None
III	.17 – 1.4	Weak	None
IV	1.4 – 3.9	Light	None
V	3.9 – 9.2	Moderate	Very Light
VI	9.2 - 18	Strong	Light
VII	18 – 34	Very Strong	Moderate
VIII	34 – 65	Severe	Moderate to Heavy
IX	65 – 124	Violent	Heavy
X	> 124	Extreme	Very Heavy
XI	> 124	Extreme	Very Heavy
XII	> 124	Extreme	Very Heavy

Earthquake Activity

Seismic Hazard Map of New York

Current Earthquakes

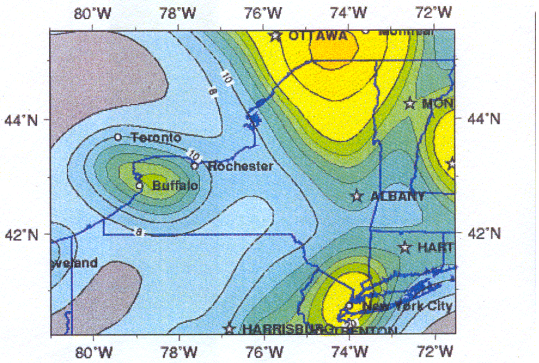
USA
World

ShakeMaps

Seismogram Displays

Past & Historical Earthquakes

Earthquake E-Mail Notification



Peak Acceleration (%g) with 2% Probability of Exceedance in 50 Years
site: NEHRP B-C boundary
National Seismic Hazard Mapping Project

USGS National Seismic Hazard Mapping Project

Earthquake Activity in the Last 8 - 30 Days

Large/Significant Earthquakes This Year

Significant Earthquake Posters

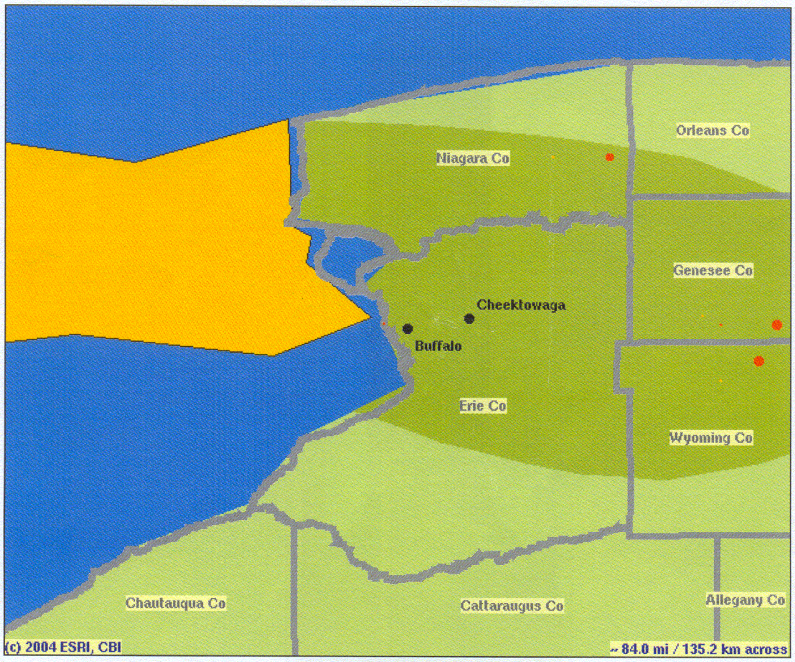
Fast Moment Tensor Solutions

ESRI and FEMA

do you know your RISKS?

Hazard Information and Awareness

Historic Earthquake Map



Map Centerpoint: -78.87861, 42.88639
Map Produced: Thu Jan 29 05:18:30 2004

ESRI/FEMA Project Impact
Hazard Information and Awareness Site
http://www.esri.com/hazards