Appendix A

Sample Adoption Resolution

List of Participating Jurisdictions that have adopted the
Oswego County Multi-jurisdictional Hazard Mitigation Plan:

Name of Jurisdiction	Plan Adoption Date
Oswego County	
Village of Altmar	
Town of Albion	
Town of Amboy	
Town of Boylston	
Village of Central Square	
Village of Cleveland	
Town of Constantia	
City of Fulton	
Town of Granby	
Town of Hannibal	
Village of Hannibal	
Town of Hastings	
Village of Lacona	
Town of Mexico	
Village of Mexico	
Town of New Haven	
Town of Orwell	
City of Oswego	
Town of Oswego	
Town of Parish	
Village of Parish	
Village of Pulaski	
Town of Redfield	
Town of Richland	
Town of Sandy Creek	
Village of Sandy Creek	
Town of Scriba	
Town of Volney	
Town of West Monroe	
Town of Williamstown	

(Name of Jurisdiction) _____

(Governing Body) _____

(Address) _____

Resolution

WHEREAS, _____, with the assistance from _____, has
Name of Jurisdiction *Consultant Name or Local Planning Dept.*
gathered information and prepared the Oswego County Multi-Jurisdictional Hazard Mitigation Plan; and

WHEREAS, the Oswego County Multi-Jurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000 and 44 CFR Part 201; and

WHEREAS, _____, is a local unit of government that has afforded the citizens an
Name of Jurisdiction
opportunity to comment and provide input in the Plan and the actions in the Plan; and

WHEREAS, _____, has reviewed the Plan and affirms that the Plan will be updated
Name of Jurisdiction
no less than every five years;

NOW THEREFORE, BE IT RESOLVED BY _____ that _____ adopts the
Town/Village Council/Board *Name of Jurisdiction*
Oswego County Multi-Jurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan, and resolves to execute the actions in the Plan.

ADOPTED this _____ at the meeting of the _____.
Date *Town/Village Council/Board*

_____
(Mayor/Supervisor)

_____
(Clerk)

Appendix D

Sites in Oswego County Included on the National Register of Historic Places

Site Name City County NR Number Type View
Oswego City Library Oswego Oswego 90NR02145 Text (1)
Ames, Leonard, Farmhouse Mexico Oswego 91NR00028 Photos
Ames, Leonard, Farmhouse Mexico Oswego 91NR00028 Text
Ames, Orsen, House Mexico Oswego 01NR01862 Photos
Ames, Orsen, House Mexico Oswego 01NR01862 Text
Arthur Tavern Arthur Oswego 91NR00019 Photos
Arthur Tavern Arthur Oswego 91NR00019 Text
Barlow, Smith H., House Lacona Oswego 90NR02157 Text
Buckout-Jones Building Oswego Oswego 01NR01868 Photos
Buckout-Jones Building Oswego Oswego 01NR01868 Text
Carley's Mills Schoolhouse Hastings Oswego 02NR04949 Photos
Carley's Mills Schoolhouse Hastings Oswego 02NR04949 Text
CHANCELLOR (tugboat) Fulton Oswego 99NR01573 Photos
CHANCELLOR (tugboat) Fulton Oswego 99NR01573 Text
Chandler, Peter, House Mexico Oswego 91NR00030 Photos
Chandler, Peter, House Mexico Oswego 91NR00030 Text
Clark, Starr, tin Shop Mexico Oswego 01NR01873 Photos
Clark, Starr, tin Shop Mexico Oswego 01NR01873 Text
Clarke, Edwin W. and Charlotte, House Oswego Oswego 02NR01892 Text
Clarke, Edwin W. and Charlotte, House Oswego Oswego 02NR01892 Photos
Davis, Phineas, Farmstead Mexico Oswego 91NR00022 Photos
Davis, Phineas, Farmstead Mexico Oswego 91NR00022 Text
Edwards, John B. and Lydia, House Oswego Oswego 01NR01867 Photos
Edwards, John B. and Lydia, House Oswego Oswego 01NR01867 Text
First Baptist Church Sandy Creek Oswego 90NR02165 Text
First Congregational Church and Society of... Volney Oswego 01NR01762 Photos
First Congregational Church and Society of... Volney Oswego 01NR01762 Text
First National Bank of Lacona Lacona Oswego 90NR02158 Text
Fort Brewerton Brewerton Oswego 90NR02137 Photos
Fort Brewerton Brewerton Oswego 90NR02137 Text
Fort Ontario Oswego Oswego 90NR02144 Text
Fort Ontario Oswego Oswego 90NR02144 Photos
Fowler--Loomis House Mexico Oswego 91NR00020 Text
Fowler--Loomis House Mexico Oswego 91NR00020 Photos
Franklin Square Historic District Oswego Oswego 90NR02152 Text
Franklin Square Historic District Oswego Oswego 90NR02152 Photos
Fulton Public library Fulton Oswego 98NR01417 Photos
Fulton Public library Fulton Oswego 98NR01417 Text
Green, Nathan and Clarissa, House Oswego Oswego 01NR01865 Text
Green, Nathan and Clarissa, House Oswego Oswego 01NR01865 Photos
Hamilton Farmstead Mexico Oswego 91NR00026 Text
Hamilton Farmstead Mexico Oswego 91NR00026 Photos
Historic and Architectural Resources of th... Mexico Oswego 91MRA00001 Other
Historic and Architectural Resources of th... Mexico Oswego 91MRA00001 Text
Historic Resources Associated with the Fre... Oswego 02MRA00023 Text
Holyoke Cottage Sandy Creek Oswego 90NR02139 Text

Hunter--Oliphant Block Oswego Oswego 95NR00840 Text
Hunter--Oliphant Block Oswego Oswego 95NR00840 Photos
Kingsford House Oswego Oswego 97NR01221 Text
Kingsford House Oswego Oswego 97NR01221 Photos
Lacona Clock Tower Lacona Oswego 90NR02160 Text
Lacona Railroad Station and Depot Lacon Oswego 01NR01830 Text
Lacona Railroad Station and Depot Lacon Oswego 01NR01830 Photos
Littlefield, Hamilton and Rhoda, House Oswego Oswego 02NR01891 Photos
Littlefield, Hamilton and Rhoda, House Oswego Oswego 02NR01891 Text
Market House Oswego Oswego 90NR02147 Photos
Market House Oswego Oswego 90NR02147 Text
McKenzie, John and Harriet, House Oswego Oswego 01NR01866 Photos
McKenzie, John and Harriet, House Oswego Oswego 01NR01866 Text
Methodist Church Sandy Creek Oswego 90NR02166 Text
Mexico Academy and Central School Mexico Oswego 91NR00025 Photos
Mexico Academy and Central School Mexico Oswego 91NR00025 Text
Mexico Octagon Barn Mexico Oswego 91NR00027 Text
Mexico Octagon Barn Mexico Oswego 91NR00027 Photos
Mexico Railroad Depot Mexico Oswego 91NR00024 Text
Mexico Railroad Depot Mexico Oswego 91NR00024 Photos
Mexico Village Historic District Mexico Oswego 91NR00017 Photos
Mexico Village Historic District Mexico Oswego 91NR00017 Text
Montcalm Park Historic District Oswego Oswego 01NR01754 Text
Montcalm Park Historic District Oswego Oswego 01NR01754 Photos
Mount Adnah Cemetery Fulton Oswego 01NR01736 Photos
Mount Adnah Cemetery Fulton Oswego 01NR01736 Text
NASH Oswego Oswego 93NR00441 Other
Northrup--Gilbert House Phoenix Oswego 99NR01572 Photos
Northrup--Gilbert House Phoenix Oswego 99NR01572 Text
Oak Street School Fulton Oswego 02NR05042 Photos
Oak Street School Fulton Oswego 02NR05042 Text
Oswego Armory Oswego Oswego 90NR02154 Photos
Oswego Armory Oswego Oswego 90NR02154 Text
Oswego City Hall Oswego Oswego 90NR02146 Text
Oswego City Hall Oswego Oswego 90NR02146 Photos
Oswego City Library Oswego Oswego 90NR02145 Text (2)
Oswego City Library Oswego Oswego 90NR02145 Photos (1)
Oswego City Library Oswego Oswego 90NR02145 Photos (2)
Oswego County Courthouse Oswego Oswego 00NR01678 Photos
Oswego County Courthouse Oswego Oswego 00NR01678 Text
Oswego Theater Oswego Oswego 90NR03135 Text
Oswego Theater Oswego Oswego 90NR03135 Photos
Oswego West Pierhead Lighthouse Oswego Oswego 00NR01679 Photos
Oswego West Pierhead Lighthouse Oswego Oswego 00NR01679 Text
Oswego Yacht Club Oswego Oswego 08NR05933 PHOTOS
Oswego Yacht Club Oswego Oswego 08NR05933 TEXT
Pease, Daniel and Miriam, House Oswego Oswego 02NR01893 Text
Pease, Daniel and Miriam, House Oswego Oswego 02NR01893 Photos
Pitt, Newton M., House Sandy Creek Oswego 90NR02167 Text
Pleasent Lawn Cemetery Parish Oswego 05NR05441 photo
Pleasent Lawn Cemetery Parish Oswego 05NR05441 text
Pontiac Hotel Oswego Oswego 90NR02153 Text
Pontiac Hotel Oswego Oswego 90NR02153 Photos
Pratt, John Wells, House Fulton Oswego 99NR01529 Photos
Pratt, John Wells, House Fulton Oswego 99NR01529 Text

Pulaski Village Historic District Pulaski Oswego 90NR02164 Photos
Pulaski Village Historic District Pulaski Oswego 90NR02164 Text
Red Mill Farm Colosse Oswego 91NR00018 Photos
Red Mill Farm Colosse Oswego 91NR00018 Text
Richardson-Bates House Oswego Oswego 90NR02148 Text
Richardson-Bates House Oswego Oswego 90NR02148 Photos
Riverside Cemetery Oswego Oswego 94NR00731 Photos
Riverside Cemetery Oswego Oswego 94NR00731 Text
Sadler, Samuel, House Sandy Creek Oswego 90NR02168 Text
Salisbury, Charles, M., House Lacona Oswego 90NR02161 Text
Sandy Creek (Town) Multiple Resource Area Sandy Creek Oswego 90MRA00043 Text
Sandy Creek (Town) Multiple Resource Area Sandy Creek Oswego 90MRA00043 Other
Sandy Creek Historic District Sandy Creek Oswego 90NR02169 Photos
Sandy Creek Historic District Sandy Creek Oswego 90NR02169 Text
Schroeppel House Schroeppel Oswego 90NR02140 Photos
Schroeppel House Schroeppel Oswego 90NR02140 Text
Selkirk Lighthouse Pulaski Oswego 90NR02138 Text
Selkirk Lighthouse Pulaski Oswego 90NR02138 Photos
Sheldon Hall Oswego Oswego 90NR02151 Photos
Sheldon Hall Oswego Oswego 90NR02151 Text
Shoecraft, Matthew, House Lacona Oswego 90NR02162 Text
Skinner, Timothy, House Mexico Oswego 91NR00021 Text
Skinner, Timothy, House Mexico Oswego 91NR00021 Photos
Slack Farmstead Mexico Oswego 91NR00031 Photos
Slack Framstead Mexico Oswego 91NR00031 Text
Sloan, George B., Estate Oswego Oswego 90NR02155 Text
Sloan, George B., Estate Oswego Oswego 90NR02155 Photos
Smart, Fred, House Lacona Oswego 90NR02159 Text
St. James' Church Cleveland Oswego 96NR01017 Photos
St. James' Church Cleveland Oswego 96NR01017 Text
St. John's Episcopal Church Phoenix Oswego 93NR00458 Photos
St. John's Episcopal Church Phoenix Oswego 93NR00458 Text
Standard Yarn Company Building Oswego Oswego 07NR5791 TEXT
Standard Yarn Company Building Oswego Oswego 07NR05791 PHOTOS
Standard Yarn Company Building Oswego Oswego 07NR05791 TEXT
Stillman Farmstead Mexico Oswego 91NR00023 Text
Stillman Farmstead Mexico Oswego 91NR00023 Photos
Stillwater Bridge Stillwater Oswego 97NR01259 Text
Stillwater Bridge Stillwater Oswego 97NR01259 Photos
Sweet Memorial Building Phoenix Oswego 90NR03146 Photos
Sweet Memorial Building Phoenix Oswego 90NR03146 Text
Tanner Block Oswego Oswego 03NR05185 PHOTOS
Tanner Block Oswego Oswego 03NR05185 TEXT
Thayer Farmstead Mexico Oswego 91NR00029 Text
Thayer Farmstead Mexico Oswego 91NR00029 Photos
The Mexico Stone Store mexico Oswego 09NR05975 PHOTOS
The Mexico Stone Store mexico Oswego 09NR05975 TEXT
Trinity Church Constantia Oswego 90NR02136 Photos
Trinity Church Constantia Oswego 90NR02136 Text
Tuttle, Newman, House Lacona Oswego 90NR02163 Text
U.S. Customhouse Oswego Oswego 90NR02150 Photos
U.S. Customhouse Oswego Oswego 90NR02150 Text
US Post Office--Fulton Fulton Oswego 90NR02156 Text
US Post Office--Fulton Fulton Oswego 90NR02156 Photos
Van Buren, David, House Fulton Oswego 90NR02141 Text

Van Buren, John, Tavern Fulton Oswego 90NR02143 Text
Van Buren, John, Tavern Fulton Oswego 90NR02143 Photos
Van Buren, Volkert, House Fulton Oswego 90NR02142 Photos
Van Buren, Volkert, House Fulton Oswego 90NR02142 Text
Walton and Willett Stone Store Oswego Oswego 90NR02149 Photos
Walton and Willett Stone Store Oswego Oswego 90NR02149 Text
Washington Square Historic District Oswego Oswego 08NR05932 PHOTOS
Washington Square Historic District Oswego Oswego 08NR05932 TEXT
Wing, Asa and Caroline, House Mexico Oswego 01NR01864 Photos
Wing, Asa and Caroline, House Mexico Oswego 01NR01864 Text
Woodruff Block Oswego Oswego 95NR00820 Photos
Woodruff Block Oswego Oswego 95NR00820 Text

Total Records Found: 168

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Survey, SR and NR Listing

USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07501.000001	A		UNASSIGNED NUMBER					
07501.000004	A		Salko 1 Historic Site CR 48 and	N				
07501.000005	A		Salko 2 Historic Site CR 48 and	U				
07501.000003	S		CR 48 BRIDGE OVER SALMON RIVER BETWEEN PINEVILLE AND CENTERVILLE	I				
07501.000002			SHEEPSKIN RD CENTERVILLE RD MATTISON FARMSTEAD					
07502.000001	B		LITTLE POND RD NORTH SIDE; EAST OF COAN POND RD	N				
07503.000001			CR 13 THE MOORE HOMESTEAD WEST SIDE; CR 15; .5 MI NORTH					
07504.000040	A		BUTCHER SHOP SITE	U				
07504.000033	A		CONSTANTIA HOUSE SITE	U				
07504.000035	A		CONSTANTIA I SITE	U				
07504.000034	A		CONSTANTIA IRON CO. STORE SITE	U				
07504.000041	A		DUNDAS HOUSE SITE	U				
07504.000002	A		FRENCHMANS ISLAND					
07504.000031	A		FULLER HOUSE SITE	U				
07504.000039	A		J. CARTER STORE SITE	U				
07504.000001	A		KEMPWYK					
07504.000038	A		SCRIBA CREEK I	U				
07504.000042	A		SCRIBA CREEK II SITE	U				
07504.000037	A		SCRIBA HOUSE SITE	U				
07504.000032	A		SCRIBA LODGE SITE	U				

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Survey, SR and NR Listing

USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07504.000036	A		SCRIBA STORE SITE	U				
07504.000030	A		STEVENS/BAKER OFFICE SITE	U				
07504.000005			GALE RD LINDEN ACRES NORTH SIDE; SECOND HOUSE ON RIGHT; WEST OF CENTER ST					
07504.000003			GEORGE ST CONSTANTIA: NORTH SIDE					
07504.000043			149 MARTIN RD FARMSTEAD					
07504.000044			32 MARTIN RD HOUSE					
07504.000028	B		NY 49 NORTH SIDE; 75 M W OF BIN 1026200	N				
07504.000029	B		NY 49 BIN 1026200 OVER SCRIBA CREEK	N				
07504.000004			NY 49 FREDERICK ST TRINITY EPISCOPAL CHURCH CONSTANTIA: NORHEAST SIDE; AT FREDERICK ST; SOUTH SIDE	L	90NR02136	9/29/1982	10/29/1982	
07504.000006	B		1361 NY 49	N				
07504.000007	B		1367 NY 49	N				
07504.000008	B		1376 NY 49	N				
07504.000009	B		1378 NY 49	N				
07504.000010	B		1384 NY 49	I				
07504.000011	B		1385 NY 49	N				
07504.000012	B		1395 NY 49	N				
07504.000013	B		1397 NY 49	N				
07504.000014	B		1400 NY 49	N				
07504.000015	B		1401 NY 49	N				
07504.000016	B		1404 NY 49	N				

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Survey, SR and NR Listing

USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07504.000017	B		1413 NY 49	N				
07504.000018	B		1416 NY 49	N				
07504.000019	B		1417 NY 49	N				
07504.000020	B		1418 NY 49	N				
07504.000021	B		1419 NY 49	N				
07504.000022	B		1420 NY 49	N				
07504.000023	B		1421 NY 49	N				
07504.000024	B		1422 NY 49	N				
07504.000025	B		1424 NY 49	N				
07504.000026	B		1425 NY 49	N				
07504.000027	B		1428 NY 49	I				
07504.000054			667 NY 49	N				
07504.000052			10 RAILROAD ST	N				
07504.000045			114 RAILROAD ST	N				
07504.000046			144 RAILROAD ST	N				
07504.000051			27 RAILROAD ST	N				
07504.000050			42 RAILROAD ST	N				
07504.000049			44 RAILROAD ST	N				
07504.000048			45 RAILROAD ST	N				
07504.000047			46 RAILROAD ST	N				

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Survey, SR and NR Listing

USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07504.000053			5 RAILROAD ST	N				
07505.000005	A		UNASSIGNED NUMBER					
07505.000009			BATTLE ISLAND STATE PARK					
07505.000004	A		BEAUCHAMP SITE 4 (PARKER 9)					
07505.000003	A		BEAUCHAMP SITE 8 (PARKER 12) FORTIFIED EARTHWORK					
07505.000008	A		CANDEE SITE					
07505.000002	A		INDIAN POINT SITE					
07505.000006	A		PARKER 10 - CIRCULAR EARTHWORK					
07505.000007	A		PARKER 11					
07505.000014	A		Dey Prehistoric Site South of Dey Drive	N				
07505.000015	A		Sey Prehistoric Site South of Dey Drive	N				
07505.000012			BRIDGE ST CR 46 1 1/2 STORY HOUSE SOUTHWEST CORNER OF CR 46 AND PENDERGAST RD SOUTH	N				
07505.000011			BRIDGE ST CR 46 DOUBLE SPAN WARREN TRUSS BRIDGE BIN 4-43407-0 OVER OSWEGO BARGE CANAL	I				
07505.000016	B		433 CR 8	N				
07505.000013			1391 NY 176 BARN	N				
07505.000010			RTE 48 CLUBHOUSE BATTLE ISLAND STATE PARK: EAST SIDE; AT PARK ENTRANCE					
07505.000001			WEST RIVER RD REYNOLDS FARM WEST SIDE; SOUTH OF RTE 85					
07506.000002	B		170 GANNON RD	N				
07506.000003	B		173 GANNON RD	N				

07506.000005	B	226 GANNON RD	N

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Survey, SR and NR Listing

USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07506.000004	B		255 GANNON RD	N				
07506.000006	B		278 GANNON RD	N				
07506.000007	B		295 GANNON RD	N				
07506.000008	B		299 GANNON RD	N				
07506.000009	B		373 GANNON RD	N				
07506.000010	B		401 GANNON RD	N				
07506.000001	B		105 KELLOGG RD	N				
07507.000027	S		BARGE CANAL LIGHTHOUSE NORTH SHORE OF ONEIDA RIVER	I				
07507.000020	A		BLACKSMITH SHOP SITE					
07507.000026	A		CLAY BANK PREHISTORIC SITE	U				
07507.000002	A		FORT BREWERTON	L	90NR02137	6/23/1980	3/7/1973	
07507.000001	A		OLIVER STEVENS CABIN & BLOCKHOUSE SITE					
07507.000019	A		SANDY ALLEN SITE (PREHIST.)					
07507.000003	A		THE BALDWIN SITE					
07507.000016	A		THE COBLE SITE					
07507.000005	A		THE DAVIS SITE					
07507.000004	A		THE EMMONS SITE					
07507.000010	A		THE ENNIS SITE					
07507.000008	A		THE GREENWOOD SITE					
07507.000011	A		THE HALL SITE (2 LOCI)					

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Survey, SR and NR Listing

USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07507.000007	A		THE HOLLADY SITE					
07507.000015	A		THE KATHAN SITE					
07507.000006	A		THE LOPEZ SITE					
07507.000012	A		THE MEANY SITE					
07507.000014	A		THE OBERLANDER SITE (2 LOCI)					
07507.000017	A		THE RUSSELL/RYDER SITE					
07507.000013	A		THE VINETTE SITE					
07507.000009	A		THE WICKHAM SITE					
07507.000018	A		THE WOOD SITE					
07507.000025	A		WEEPING WILLOW PREHISTORIC SITE	U				
07507.000031	A		Brewerton Rear Range Lighthouse Historic Site Oswego CR 37, west of U.S. Route 11	U				
07507.000030	A		Caughdenoy Historic Site (SUBi-2539) CR 12 North Side	N				
07507.000029	A		M. Brockway Historic Site South side of NYS Route 49	U				
07507.000028	B		CR 84 Carley Mills Schoolhouse CR 84 and CR 38		02NR04949	12/16/2002	1/5/2005	
07507.000021	B		RTE 11 BUILDING D (DOT PIN #3043.33.121) WEST SIDE; AT DRY BRIDGE RD; SOUTH SIDE	N				
07507.000022	B		RTE 11 BUILDING H (DOT PIN #3043.33.121) WEST SIDE; 5TH BUILDING SOUTH OF DRY BRIDGE RD	N				
	B		RTE 49 BUILDING A (DOT PIN #3802.15.101)	N				

07507.000023		SOUTH SIDE; AT RTE 81; WEST SIDE	
07507.000024	B	7 VINETTE RD	N
07508.000011	A	UNASSIGNED NUMBER	
07508.000007	A	UNASSIGNED NUMBER	

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Survey, SR and NR Listing

USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07508.000009	A		UNASSIGNED NUMBER					
07508.000008	A		UNASSIGNED NUMBER					
07508.000010	A		UNASSIGNED NUMBER					
07508.000006	A		UNASSITGNED NUMBER					
07508.000017			CASEY'S COTTAGE MEXICO POINT	U				
07508.000024	A		HATCH/HOUSE FARMSTEAD (SUBI-1835, NYSM #10669)	U				
07508.000025	A		RED MILLS AGRICULTURAL PROCESSING COMPLEX (SUBI-1836)	U				
07508.000001	A		SPY ISLAND & TOWN MONUMENT MOUTH OF SALMON CREEK					
07508.000041	A		A. Hollock Historic Site (NYSM #11775) Sherman Hill Road and Route 69	U				
07508.000042	A		H. Hollock Historic Site (NYSM 11776) Sherman Hill Road and Route 69	U				
07508.000015			5276 AMES ST MEXICO OCTAGON BARN	L	91NR00027	12/28/1990	6/20/1991	
07508.000018	B		CHAPMAN RD BACKUS ENSWORTH HOUSE WEST SIDE NORTH OF SR 16					
07508.000014			5933 CHURCH ST NY 69 THAYER HOMESTEAD SOUTH OF MEXICO VILLAGE LINE	L	91NR00029	8/16/1991	11/14/1991	
07508.000003			CR 16 VONINSKI STONE HOUSE ARTHUR: WEST SIDE; AT GEORGE RD; SOUTH SIDE					
07508.000012			GEORGE RD CR 16 ARTHUR TAVERN/QUARRYVILLE TAVERN NORTH SIDE; AT CR 16; WEST SIDE	L	91NR00019	8/16/1991	11/14/1991	

07508.000036		MEXICO POINT RD MEXICO POINT STATE PARK				
07508.000004		NY 104 STILLMAN HOUSE NORTH SIDE; BETWEEN FRASER RD & PENN RD	L	91NR00023	12/28/1990	6/20/1991
07508.000005		NY 104 WRIGHT BACKUS HOUSE SOUTH SIDE; EAST OF TOWN LINE				
07508.000046	B	NY 104 Bus Garage	N			
07508.000045	B	NY 104 Mexico Middle School	N			

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USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07508.000043	B		4320 NY 104 New Haven Elementary School	N				
07508.000040			92 NY 104B FARM BLDGS					
07508.000026	S		NY 11 BIN 1-00856-0 OVER LITTLE SALMON RIVER	N				
07508.000044	B		1638 NY 45 Palermo Elementary School	N				
07508.000033	B		NY 69 NORTH SIDE; 100 M WEST OF RED MILL RD	N				
07508.000022	B		NY 69 SOUTH SIDE; 104 YDS E OF RED MILL RD	N				
07508.000023	B		NY 69 SOUTH SIDE; 8 YDS EAST OF RED MILL RD	N				
07508.000019			NY 69 BIN 1-06021-0 OVER LITTLE SALMON RIVER	N				
07508.000028	B		3225 NY 69	N				
07508.000029	B		3233 NY 69	N				
07508.000030	B		3234 NY 69	N				
07508.000031	B		3239 NY 69	N				
07508.000034	B		3267 NY 69	N				
07508.000035	B		3283 NY 69	N				
07508.000038			3392 NY 69 H-COLASSE	L	01NR01864	9/19/2001	12/4/2001	
07508.000032	B		7651 NY 69	N				
07508.000020	B		RED MILL RD SOUTH SIDE; 240 YDS E OF NY 69	N				
07508.000021	B		RED MILL RD SOUTH SIDE; 280 YDS E OF NY 69	N				
07508.000027	B		248 RED MILL RD	N				
			7177 RED MILL RD RED MILL FARM					

07508.000013	NORTH SIDE; OPPOSITE BELEY RD	L	91NR00018	8/16/1991	11/14/1991

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Survey, SR and NR Listing

USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07508.000037			156 RICHARDSON RD	N				
07508.000016			5174 ROWE RD SLACK FARMSTEAD	L	91NR00031	8/16/1991	11/14/1991	
07508.000039			US 11 COLOSSE CHURCH H-COLOSSE					
07509.000003			HISTORIC MIDDEN					
07509.000002	A		MIDDEN					
07509.000001	A		THE COLUMBIA MILLS BRICK RD					
07509.000006	B		2411 CR 8 Minetto Elementary School	N				
07509.000005			ERIE CANAL LOCK 0-5	D				
07509.000004	B		NY 48 BENSON AVE COLUMBIA MILLS BUILDING 11 MINETTO: SOUTH SIDE; AT BENSON AVE; WEST SIDE	N				
07510.000016	A		SITE 12 ROME-OSWEGO RAILROAD ROADBED					
07510.000017	A		SITE 17 BUTTERFLY MILL SITE					
07510.000022	A		SITE 31 GARDNER-WOODWARD HISTORIC FARM SITE					
07510.000026	A		Bradner Site (SUBi-2355, NYSM 11396) West lawn of 4496 NY 104	U				
07510.000025	A		Hewett Site (SUBi-2354, NYSM 11397) Front lawn of 4438 NY 104	U				
07510.000027	A		Jerrett Site (SUBi-2360, NYSM 11391) Fallow field on the south side of NY 104 near RM 3056	U				
07510.000020	A		COUNTY HOME RD SITE 25 BURROWS HISTORIC DUMP NORTH SIDE 1000'; 2600' EAST OF BUTTERFLY CORNERS					

		RD
07510.000006		DARROW RD SCHOOL HOUSE #9 WEST SIDE; NORTH OF RTE 51
07510.000021	A	HUGHES RD SITE 27 FARM DUMP NORTH SIDE 200'; 750' EAST OF TOLLGATE RD
07510.000014	A	LEE RD SITE 10 Z. LEWIS FARM SITE 200' SOUTH
07510.000018	A	LEE RD SITE 19 LEE FARM FOUNDATIONS NORTH SIDE 500'; 3600' WEST OF TOLLGATE RD

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07510.000019	A		LEE RD SITE 20 CONWAY HISTORIC DUMP SOUTH SIDE 200'; 3300' WEST OF TOLLGATE RD					
07510.000002			NINE MILE POINT RD RICHARD NOYES HOUSE EAST SIDE					
07510.000024	B		6302 NINE MILE POINT RD DWL	N				
07510.000003			NORTH RD (FONES HOUSE) NORTH SIDE					
07510.000015	A		NY 104 SITE 11 E. CARPENTER HOUSE SITE NORTH SIDE 2300'; 4600' WEST OF TOLLGATE RD					
07510.000011	A		NY 104 SITE 7 CHURCH RESIDENCE HISTORIC SITE NORTH SIDE; 900' EAST OF TRANSMISSION LINE					
07510.000012	A		NY 104 SITE 8 SCHIPPER BARN AND SILO SITE NORTH SIDE; 240' EAST OF HASTO DR					
07510.000013	A		NY 104 SITE 9 H. ROBBERTS FARM COMPLEX HISTORIC SITE INTERSECTION AT HASTRO DR; 1600' NORTH					
07510.000031	B		4320 NY 104 New Haven Elementary	U				
07510.000010	A		NY 104B SITE 3 BARN FOUNDATION INTERSECTION AT LARKIN RD; 150' WEST AND 50' SOUTH					
07510.000009			RTE 104 CONE HOUSE SOUTH SIDE; AT HASTRO DR; WEST SIDE					
07510.000004			RTE 104 EZRA MAY HOUSE NEW HAVEN: WEST OF RTE 6					
07510.000007			RTE 104 SPENCER HOUSE NORTH SIDE; EAST OF KEEFE RD					
07510.000005			RTE 104 UNION SCHOOL HOUSE NEW HAVEN: SOUTH SIDE; WEST OF RTE 6					
			RTE 6					

07510.000001		SHEPHERD (TIMBELLO HOUSE) NEW HAVEN: EAST SIDE; AT RTE 104; NORTH SIDE	
07510.000030	B	16 Soper Mills Rd	N
07510.000029	B	26 Soper Mills Rd	N
07510.000028	B	70 Soper Mills Rd	N
07510.000023	A	TOLLGATE RD TOLLGATE SCHOOLHOUSE SITE EAST SIDE 20'; 40' NORTH OF HUGHES RD	
07510.000008		WOOLSON RD STONE HOUSE NORTH SIDE; BETWEEN DENNIS & KEEFE RDS	

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07511.000003			BENNETTS BRIDGE DAM AND HYDROELECTRIC PLANT SALMON RIVER NEAR ALTMAR	I				
07511.000001	A		GILBERT HILL CEMETERY NORTH OF ORWELL					
07511.000002			COUNTY RTE 2 ORWELL: SOUTH SIDE; WEST OF COUNTY RTE 22					
07511.000004	B		CR 22 LIGHTHOUSE HILL HYDROELECTRIC PLANT LEFT BANK OF SALMON RIVER	N				
07511.000005	S		DAM RD STILLWATER BRIDGE	L	97NR01259	9/18/1997	11/7/1997	
07512.000002	A		ASA RICE CEMETERY OFF NYS RTE 104 AT FRUIT VALLY					
07512.000031	A		CASE GRIST MILL ARCAHEOLOGICAL SITE NY 104 WEST SIDE					
07512.000032	A		CASE GRIST MILL SITE (MYSM # 11082) NYS RUOTE 104 BRIDGE BIN 1-03659-0					
07512.000026	B		PARK HALL COLLEGE OF OSWEGO	N				
07512.000035	A		Dolway Farm/Oswego Preserving Co. Canning Factory Historic Site (NYSM 11774) South side of NYS Route 104, 200 ft northeast of Sheldon Ave.	U				
07512.000034	A		Dr. S.G. Place/A. Tice Barn Historic Site (NYSM 11773) West of NYS Rt 104, East of NYS Route 104A	U				
07512.000020			2ND AND BRIDGE St PULASKI COUNTY COURTHOUSE					
07512.000029			164 BUNKER HILL RD					
07512.000030			298 BUNKER HILL RD					

07512.000028	BURCKLE ST ST LUKES RESIDENTIAL HEALTH CARE FACILITY				
07512.000025	CEMETERY RD PIONEER HOME WEST SIDE; JUST WEST OF BUNKER HILL RD	L	02NR01893	12/20/2001	2/26/2002
07512.000005	CEMETERY RD RESIDENCE EAST SIDE				
07512.000007	FIFTH ST STEVENSON HOUSE MINETTO: EAST SIDE; SOUTH OF GRAY RD				
07512.000006	4325 FIFTH ST MORRISON HOUSE				
07512.000021	JOHNSON FARMSTEAD UNASSIGNED NUMBER	N			

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07512.000033			66 Letchworth St Owasco Elementary School	N				
07512.000022	B		NY 104 GRIST MILL (STRUCTURE #F2) NORTH SIDE; AT RICE CREEK; EAST SIDE	I				
07512.000001	B		NY 104 PERRY-WARD-PACKHEIM HOUSE FRUIT VALLEY: SOUTH SIDE; SOUTHWEST OF CEMETERY RD	N				
07512.000010	B		7233 NY 104, 924 NY 104 (old number) REYNOLDS HOME FRUIT VALLEY: SOUTH SIDE; NORTHEAST OF MARSHALL RD	I				
07512.000024	B		7233 NY 104, 924 NY 104 (old number) STRUCTURE #V5 SOUTH SIDE; EAST OF JAKIM RD	I				
07512.000023	B		7244 NY 104 NORTH SIDE; EAST OF JAKIM RD	I				
07512.000009	B		7251 NY 104, 896 old NY 104 DICKENSON GOTHIC FRUIT VALLEY: SOUTH SIDE; BETWEEN THOMPSON & CEMET	I				
07512.000011	B		7263 NY 104 GREENMAN'S FRUIT VALLEY: SOUTH SIDE; BETWEEN CEMETARY RD AND	I				
07512.000003			RURAL CEMETERY RD PEASE HOUSE WEST SIDE; SOUTH OF RTE 104					
07512.000008			THOMPSON RD FALLBROOK WEST SIDE; NORTH OF RICE CREEK					
07512.000027	B		31 WEST BRIDGE ST C. J.'S CORNER	N				
07512.000004			WEST LAKE RD ROBERTSON (VAN SCHAAK HOUSE) NORTH SIDE					
07513.000001	A		203A LOCUS 203 HISTORIC SITE					
			E. Palmer Historic Site (SUBi-					

07514.000002	A	2714, NYSM 11749) Intersection of South Railroad Street and Woodview Drive	U	
07514.000001	S	NY 69A Pleasant Lawn Cemetery	I	05NR05441 7/13/2005 10/5/2005
07515.000001	B	4874 CR 17	N	
07516.000076	B	CABIN 17/NEW #28 SELKIRK SHORES SP: PINE GROVE AREA		
07516.000002	A	JAYNE-LAPOINT SITE		
07516.000074	A	NYSM SITE 10319	N	
07516.000004	A	PARKER #1		

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07516.000005	A		PARKER #2					
07516.000009			SELKIRK SHORES STATE PARK	D				
07516.000003	A		SITE					
07516.000026	A		SITE 167A PREHISTORIC SITE					
07516.000075	A		THE IRVIN SITE (NYSM 10321)	N				
07516.000073	A		THE LONGWAY SITE (MDS 8) (NYSM 10318)	N				
07516.000082	A		Anderson (Pli 034) Pine Grove Road, w/in Selkirk Shores State Park	U				
07516.000086	A		Cedar Hill Precontact Site Along a private road along the north bank of the Salmon River	U				
07516.000080	A		Locust Point (RMSC Pli 003) Pine Grove Road, near north boundary of Selkirk Shores State Park	U				
07516.000085	A		Netsinker Precontact Site Along a private road along the north bank of the Salmon River	U				
07516.000081	A		Pine Grove Site (RMSC Pli 004) North of Pine Grove Road w/in Selkirk Shores State Park	U				
07516.000084	A		Port Ontario Precontact Site Within hamlet of Port Ontario, along both sides of Lake Road near the mouth of the Salmon River into Lake Ontario	L				
07516.000083	A		Salmon River Precontact Site Within hamlet of Port Ontario, along a private road, on a peninsula that juts into the mouth of the Salmon River	I				
07516.000079	A		Selkirk Beach (RMSC Pli 002) Along Lake Ontario Shore, near south boundary of Selkirk Shores State Park	U				
07516.000087	A		The Grindstone Gristmill Historic Site Along the Grindstone Creek, just southwest of the intersection of CR28 and CR41	U				

07516.000007		CANNING FACTORY RD GEORGE WHITE HOUSE NORTH SIDE; BETWEEN RTE 81 AND SPRING BROOK RD
07516.000068	B	629 CR 5
07516.000069	B	638 CR 5
07516.000070	B	648 CR 5
07516.000071	B	651 CR 5

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07516.000072	B		652 CR 5					
07516.000001			LAKE RD SELKIRK / PORT ONTARIO LIGHTHOUSE AT MOUTH OF SALMON RIVER	L	90NR02138	6/23/1980	3/30/1979	
07516.000008			NY 13 SCHOOLHOUSE #9 NORTH SIDE; JUST WEST OF PALMITEER RD					
07516.000054	B		4582 NY 13					
07516.000055	B		4583 NY 13					
07516.000056	B		4586 NY 13					
07516.000057	B		4589 NY 13					
07516.000058	B		4590 NY 13					
07516.000051	B		NY 3 BIN 1-00037-0 OVER SALMONM RIVER	D				
07516.000052			NY 3 BIN 1-00038-0 OVER SALMONM RIVER	D				
07516.000029			NY 3 BUILDING A BARN WEST SIDE; SOUTH OF GRINDSTONE CREEK	D				
07516.000030	B		NY 3 BUILDING B WEST SIDE; NORTH OF GRINDSTONE CREEK	D				
07516.000031	B		NY 3 BUILDING C WEST SIDE; ACROSS FROM ATKINSON ROAD	D				
07516.000032	B		NY 3 BUILDING F EAST SIDE; NORTH OF GRINDSTONE CREEK	D				
07516.000033	B		NY 3 BUILDING G EAST SIDE; SOUTH OF GRINDSTONE CREEK	D				
07516.000077			NY 3 CABIN #30 SELKIRK SHORES STATE PARK	D				

07516.000015		NY 3 COMFORT STATION WEST SIDE; SOUTH OF SALMON RIVER	D
07516.000024		NY 3 COTTAGE AT PINE GROVE WEST SIDE; SOUTH OF SALMON RIVER	D
07516.000044	B	NY 3 FORMER BLACKSMITH SHOP EAST SIDE; 350 FT SOUTH OF CR13	D
07516.000053	B	NY 3 FORMER SHOP AND OFFICE WEST SIDE; 50 FT NORTH BIN 1-00037-0	D

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07516.000021			NY 3 PIER & PROMENADE WEST SIDE; SOUTH OF SALMON RIVER	D				
07516.000014			NY 3 SELKIRK SHORES STATE PARK BATHHOUSE WEST SIDE; SOUTH OF SALMON RIVER	D				
07516.000012			NY 3 SELKIRK SHORES STATE PARK CABIN #2 WEST SIDE; SOUTH OF SALMON RIVER	D				
07516.000011			NY 3 SELKIRK SHORES STATE PARK CABIN #22 WEST SIDE; SOUTH OF SALMON RIVER	D				
07516.000017			NY 3 SELKIRK SHORES STATE PARK CAMP STORE WEST SIDE; SOUTH OF SALMON RIVER	D				
07516.000016			NY 3 SELKIRK SHORES STATE PARK CONCESSION STAND WEST SIDE; SOUTH OF SALMON RIVER	D				
07516.000023			NY 3 SELKIRK SHORES STATE PARK COTTAGE AT PINE GROVE WEST SIDE; SOUTH OF SALMON RIVER	D				
07516.000018			NY 3 SELKIRK SHORES STATE PARK GRINDSTONE PUMPHOUSE WEST SIDE; SOUTH OF SALMON RIVER	D				
07516.000025			NY 3 SELKIRK SHORES STATE PARK PARK OFFICE WEST SIDE; SOUTH OF SALMON RIVER	D				
07516.000022			NY 3 SELKIRK SHORES STATE PARK SUPERINTENDENT'S HOUSE WEST SIDE; SOUTH OF SALMON RIVER	D				
07516.000013	B		NY 3 SELKIRK SHORES STATE PARK: ADMINISTRATION BUILDING WEST SIDE; SOUTH OF SALMON RIVER	D				
07516.000010			NY 3 SELKIRK SHORES STATE PARK: CABIN #1 WEST SIDE; SOUTH OF SALMON RIVER	D				
07516.000020			NY 3 SELKIRK SHORES STATE PARK; MAIN PICNIC SHELTER WEST SIDE; SOUTH OF SALMON RIVER	D				

07516.000019		NY 3 SELKIRK SHORES STATE PARK; WATER STATION WEST SIDE; SOUTH OF SALMON RIVER	D
07516.000050	B	7369 NY 3	
07516.000034	B	7371 NY 3	
07516.000035	B	7377 NY 3	
07516.000036	B	7381 NY 3	
07516.000037	B	7382 NY 3	
07516.000038	B	7388 NY 3	

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07516.000039	B		7391 NY 3					
07516.000040	B		7392 NY 3					
07516.000041	B		7394 NY 3					
07516.000042	B		7395 NY 3					
07516.000043	B		7399 NY 3					
07516.000045	B		7402 NY 3					
07516.000046	B		7403 NY 3					
07516.000047	B		7407 NY 3					
07516.000048	B		7408 NY 3					
07516.000049	B		7412 NY 3					
07516.000061	B		7491 NY 3					
07516.000062	B		7492 NY 3					
07516.000063	B		7511 NY 3					
07516.000064	B		7512 NY 3					
07516.000065	B		7527 NY 3					
07516.000078	A		NY 3 AT SALMON RIVER PORT ONTARIO ROADWAY/EARLY 19TH C. WOODEN ROADWAY/NYSM 11097 BENEATH NY 3 AS IS CROSSES THE SALMON RIVER, UNDER FILL	I				
07516.000028			PINE GROVE ACCESS RD SUPERINTENDENT'S HOUSE - SELKIRK SHORES STATE PARK SOUTH SIDE; NYS 3; WEST SIDE					
07516.000027	B		8552 RICHLAND RD DWELLING RICHLAND:	N				
07516.000066	B		7475 RIVERSIDE DR					
07516.000067	B		7476 RIVERSIDE DR					

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07516.000060	B		10 SCHAROUN DR					
07516.000059	B		8 SCHAROUN DR					
07516.000006			7615 STEWART ST ML STEWART HOUSE					
07517.000006			CR 48 Bernard Joss Farm					
07517.000004	B		CR 62 FORMER CUMMINGS FARM WEST SIDE; NORTH OF HILTON RD; SOUTH OF FRASER RD	N				
07517.000005	S		NY 3 BIN 1-00400-0 OVER SANDY CREEK					
07517.000002			RTE 3 THE CHURCH MOUSE SHOP EAST SIDE; AT RTE 15; NORTH SIDE					
07517.000003			SEBER SHORE RD SEBER SHORES RD HOLYOKE COTTAGE EAST SIDE; OVERLOOKING LAKE ONTARIO	L	90NR02139	9/29/1988	11/15/1988	
07517.000001			SEBER SHORES RD OVERLOOK NORTHWEST END; ON NORTH POND					
07518.000005	A		UNASSIGNED NUMBER					
07518.000035	A		ENGLISH CAMP NORTH OF INTERSECTION OF ONEIDA, SENECA AND OSWEGO RIVERS					
07518.000004	A		FRAME SAW MILL SCHROEPPEL BRIDGE/ONEIDA RIVER; NORTHEAST					
07518.000008	A		HISTORIC SITE 218A (LOCUS 218)					
07518.000020	A		HISTORIC SITE A HINMANVILLE					
07518.000021	A		HISTORIC SITE B HINMANVILLE					

07518.000022	A	HISTORIC SITE C HINMANVILLE
07518.000023	A	HISTORIC SITE D HINMANVILLE
07518.000024	A	HISTORIC SITE E HINMANVILLE
07518.000025	A	HISTORIC SITE F HINMANVILLE
07518.000026	A	HISTORIC SITE G HINMANVILLE

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07518.000027	A		HISTORIC SITE H HINMANVILLE					
07518.000028	A		HISTORIC SITE I HINMANVILLE					
07518.000009	A		OSWEGO CANAL					
07518.000010	B		PHOENIXVILLE CEMETERY	N				
07518.000006	A		POTTS SITE (NYSM 1257) PENNELLVILLE; 1 1/2 MILES WEST					
07518.000029	A		PREHISTORIC SITE J HINMANVILLE					
07518.000001	A		SALT WELL GILBERTS MILLS: WEST OF NY 264, SOUTH OF NY 49					
07518.000033	A		SCHROEPPEL MANSION PREHISTORIC/HISTORIC SITE NORTH OF ONEIDA RIVER; WEST OF NY 10					
07518.000018			BRIDGE ST CR 46 1 STORY HOUSE NORTHEAST CORNER OF CR 46 AND CANAL ST	N				
07518.000011			BRIDGE ST CR 46 BIN 4-43407-0 WARREN AND BALTIMORE TRUSS BRIDGE	I				
07518.000012			BRIDGE ST CR 46 ELLIS 1 1/2 STORY HOUSE WEST SIDE PF TOWPATH RD; SOUTH OF CR 46	N				
07518.000014			BRIDGE ST CR 46 FRALICK 1 1/2 STORY HOUSEE EAST SIDE OF TOWPATH RD; SOUTH OF CR 46	N				
07518.000015			BRIDGE ST CR 46 GREEK REVIVAL HOUSE EAST SIDE OF TOWPATH RD;NORTH OF CR 46	N				
07518.000019			BRIDGE ST CR 46 GREGG 1 STORY HOUSE EAST SIDE OF CANAL ST; SOUTH OF CR 46	N				

07518.000013		BRIDGE ST CR 46 MCCASLIN 1 1/2 STORY HOUSE SOUTHEAST CORNER OF CR 46 AND TOWPATH RD	N			
07518.000016		BRIDGE ST CR 46 SIMONS 1 1/2 STORY HOUSE WEST SIDE OF CANAL ST; NORTH OF CR 46	N			
07518.000017		BRIDGE ST CR 46 SIMONS 2 STORY HOUSE EAST SIDE OF CANAL ST; NORTH OF CR 46	N			
07518.000002		CAUGHDENOY RD CR 10 SCHROEPPEL HOUSE/O'HARE RES WEST SIDE; AT OSWEGO RIVER	L	90NR02140	8/2/1982	9/9/1982
07518.000031	B	CHESBRO RD SCHAUER FARM EAST SIDE	I			
07518.000032	B	DAUSMAN RD CR 10 ERIC OJA EAST SIDE; SOUTH OF CHESBRO RD	N			

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07518.000034	B		9 HELBOCK DR	N				
07518.000036			151 LOCK ST FARMSTEAD	N				
07518.000030	B		NY 57 DUNHAM RESIDENCE MILE 152.7					
07518.000007			OLD OSWEGO CANAL LOCK 16 HINMSIVILLE: INTERSECTION OF RT 46 WITH OSWEGO RIVER					
07518.000003			RTE 54 GREGG'S HOTEL PENNELLVILLE: SOUTH SIDE; EAST OF RTE 264					
07519.000091	A		C. Coon Site 1062 CR 29, front lawn/driveway near the intersection with Minor Road	U				
07519.000092	A		Carriage Shop/J.K. Prowes Historic Site East Side CR 29 at the intersection with CR 1	U				
07519.000106	A		Dr. Snyder Historic Site (NYSM 11605) 5565 State Route 104	U				
07519.000087	A		Fitch Site (SUBi-2359, NYSM 11392) Front and west lawn of a modern residence (number unknown) located west of 5082 NY 104)	N				
07519.000094	A		Flowerpot Site Eastern Edge of Riverside Cemetery	U				
07519.000082	A		Gardner Site (Subi-2352, NYSM 11399) Woods north side of NY 104 near mile marker 3035	U				
07519.000107	A		Grange Historic Site (NYSM 11606) North of NY 104 and East of Creamery Rd	U				
07519.000081	A		H. White Site (SUBi-2351, NYSM 11400) Woods south side of NY 104 between mile marker 3030 and 3031	U				
07519.000084	A		Hammond Site (SUBi-2356, NYSM 11395) West lawn of 3550 NY 104,	U				
07519.000116	A		Hathaway-Lord Site (NYSM 12209) 5804 Rt 104	U				

07519.000090	A	Henry Oakley Monument Eastern Edge of Riverside Cemetery overlooking NY Route 481	U
07519.000093	A	J. Dowley/Harness Shop and Grocery Site South side of CR 1 near the intersection with CR 29	N
07519.000088	A	J. Hall Historic Site East side of CR 53 (Kingdom Road)	U
07519.000089	A	J. Sewell Historic Site East side of CR 53	U
07519.000083	A	Keefe Barn SIte (SUBi-2353, NYSM 11398) North and south of NY 104 to the east of the Keefe Road intersection	N

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07519.000104	A		Mattison Historic Site (NYSM 11603) South side of NY Route 104	U				
07519.000105	A		Mrs. Stone Historic Site (NYSM 11604) 5646 Route 104	U				
07519.000108	A		NMP Historic Site 1 Nine Mile Point Nuclear Station					
07519.000109	A		NMP Historic Site 2 Nine Mile Point Nuclear Station					
07519.000110	A		NMP Historic Site 3 Nine Mile Point Nuclear Station					
07519.000111	A		NMP Historic Site 4 Nine Mile Point Nuclear Station					
07519.000112	A		NMP Historic Site 5 Nine Mile Point Nuclear Station					
07519.000113	A		NMP Historic Site 6 Nine Mile Point Nuclear Station					
07519.000114	A		NMP Historic Site 7 Nine Mile Point Nuclear Station					
07519.000115	A		NMP Historic Site 8 Nine Mile Point Nuclear Station					
07519.000073	B		Pines Restaurant Corner of CR 29 & NY 104					
07519.000085	A		Rhodes Site (SUBi-2357, NYSM 11394) Northeast corner of Duke Road and NY 104	N				
07519.000103	A		S. Carr Historic Site (SUBi-2626) 4875 NY 104, Scriba	N				
07519.000086	A		Stone Site (SUBi-2358, NYSM 11393) Front lawn of 5418 NY 104	U				
07519.000011			283 CR 1 LAKE AKA NORTH RD	N				
07519.000012			287 CR 1 LAKE AKA NORTH RD	N				

07519.000014	315 CR 1 LAKE AKA NORTH RD	N
07519.000013	329 CR 1 LAKE AKA NORTH RD	N
07519.000015	359 CR 1 LAKE AKA NORTH RD	N
07519.000016	360 CR 1 LAKE AKA NORTH RD	N

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07519.000017			375 CR 1 LAKE AKA NORTH RD	N				
07519.000018			417 CR 1 LAKE AKA NORTH RD	N				
07519.000019			427 CR 1 LAKE AKA NORTH RD	N				
07519.000020			441 CR 1 LAKE AKA NORTH RD	N				
07519.000007	A		CR 1A INDEPENDENCE PROJECT SITE NORTH SIDE OF RTE 1A, NORTH OF WALKER	N				
07519.000001			CR 29 LYCOMING POST OFFICE WEST SIDE; SOUTH OF MINER RD					
07519.000009			4518 CR 4	N				
07519.000006			EAST RIVER RD CO. RTE 57 RIVERSIDE CEMETERY .4 MILES SOUTH OF OSWEGO CITY LIMITS	L	94NR00731	6/24/1993	8/19/1993	
07519.000004			2137 HALL RD JESSE BENNETT HOUSE					
07519.000008	B		LAKE RD CLIFF FARM EAST SIDE	N				
07519.000022			530 MIDDLE RD	N				
07519.000021			533 MIDDLE RD	N				
07519.000023			534 MIDDLE RD	N				
07519.000025			543 MIDDLE RD	N				
07519.000024			544 MIDDLE RD	N				
07519.000026			545 MIDDLE RD	N				
07519.000027			547 MIDDLE RD	N				
07519.000028			551 MIDDLE RD	N				
07519.000029			567 MIDDLE RD	N				
07519.000030			573 MIDDLE RD	N				

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07519.000031			580 MIDDLE RD	N				
07519.000032			581 MIDDLE RD	N				
07519.000033			595 MIDDLE RD	N				
07519.000034			616 MIDDLE RD	N				
07519.000035			658 MIDDLE RD	N				
07519.000036			671 MIDDLE RD	N				
07519.000037			672 MIDDLE RD	N				
07519.000038			681 MIDDLE RD	N				
07519.000039			682 MIDDLE RD	N				
07519.000040			703 MIDDLE RD	N				
07519.000041			704 MIDDLE RD	N				
07519.000042			713 MIDDLE RD	N				
07519.000043			719 MIDDLE RD	N				
07519.000044			739 MIDDLE RD	N				
07519.000045			741 MIDDLE RD	N				
07519.000046			749 MIDDLE RD	N				
07519.000047			758 MIDDLE RD	N				
07519.000005	B		MINER RD JOHN CARPENTER HOUSE NORTH SIDE, WEST OF LAKE RD	N				
07519.000003			NY 104 CENTURY HOUSE SOUTH SIDE; EAST OF KLOCKS CORNERS RD					
07519.000002			NY 104 STONE FAMILY RESIDENCE NORTH SIDE; EAST OF CREAMERY RD					

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07519.000097	S		NY 104 Mattison Cemetery south side	I				
07519.000102	B		5470 NY 104 William E. Blossom House	I				
07519.000101	B		5471 NY 104 James Church House	I				
07519.000100	S		5509 NY 104 Benjamin C. Turner House	N				
07519.000099	S		5515 NY 104 Scriba Rebekah Hall	I				
07519.000098	S		5603 NY 104 William Burt II House	I				
07519.000096	B		5740A NY 104 Welch-Robinson House	I				
07519.000095	B		5898 NY 104 Aladdin-Sunshine Kit House	I				
07519.000072	B		3550 NYS Route 104					
07519.000056	B		3597 NYS Route 104					
07519.000071	B		3598 NYS Route 104					
07519.000079	B		4398 NYS Route 104					
07519.000080	B		4406 NYS Route 104					
07519.000050	B		4438 NYS Route 104					
07519.000061	B		4493 NYS Route 104					
07519.000051	B		4496 NYS Route 104					
07519.000062	B		4517 NYS Route 104					
07519.000063	B		4527 NYS Route 104					
07519.000048	B		4566 NYS Route 104					
07519.000064	B		4675 NYS Route 104					

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07519.000065	B		4723 NYS Route 104					
07519.000066	B		4762 NYS Route 104					
07519.000052	B		4776 NYS Route 104					
07519.000053	B		4798 NYS Route 104					
07519.000054	B		4824 NYS Route 104					
07519.000067	B		4839 NYS Route 104					
07519.000068	B		4875 NYS Route 104					
07519.000055	B		4876 NYS Route 104					
07519.000069	B		4913 NYS Route 104					
07519.000070	B		4937 NYS Route 104					
07519.000074	B		5219 NYS Route 104					
07519.000057	B		5258 NYS Route 104					
07519.000075	B		5259 NYS Route 104					
07519.000076	B		5359 NYS Route 104					
07519.000058	B		5366 NYS Route 104					
07519.000059	B		5372 NYS Route 104					
07519.000077	B		5373 NYS Route 104					
07519.000049	B		5400 NYS Route 104					
07519.000078	B		5417 NYS Route 104					
07519.000060	B		5418 NYS Route 104					

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07519.000010			REUSE NUMBER					
07520.000003	A		UNASSIGNED NUMBER					
07520.000009	A		Historic Site A C. Reyolds Homestead (MDS 4) North side of Howard Road	U				
07520.000010	A		Historic Site B G. White Homestead (MDS 9) North side of Howard Road	U				
07520.000008	A		Volney Railroad Historic Site (SUBi-2785, NYSM 12146) NY Route 481 & CR 45	U				
07520.000006			CR 6 SOUTH OF CR 45	N				
07520.000004			DISTIN RD NY 57 VOLKERT VAN BUREN HOUSE AT NY 57	L	90NR02142	8/16/1988	10/7/1988	
07520.000007			NY 3 FIRST CONGREGATIONAL CHURCH OF VOLNEY NORTH SIDE, EAST OF VOLNEY.	L	01NR01762	5/3/2001	6/29/2001	
07520.000005			ROWLEE RD DWELLING NORTH SIDE; KINGS RD; WEST SIDE					
07520.000002			VAN BUREN DR VAN BUREN HOUSE WEST OF RTE 57	L	90NR02141	4/29/1988	6/9/1988	
07520.000001			VAN BUREN DR VAN BUREN TAVERN WEST OF RTE 57	L	90NR02143	9/28/1988	11/3/1988	
07521.000004	A		THE CORCORAN SITE					
07521.000002	A		THE POOLE, COMIC POINT & ROUSCHE LOCI	I				
07521.000001	A		THE RIDGEWAY SITE					
07521.000003	A		THE STALLKNECHT, SLADE, & HOYT LOCI	I				
07521.000007			MUD SETTLEMENT RD CR 37 C. WOOD RESIDENCE (BUILDING F) MUD SETTLEMENT: EAST SIDE; AT NY 49; SOUTH SIDE	N				

07521.000010	MUD SETTLEMENT RD CR 37 FORMER SCHOOLHOUSE #2 (BUILDING N) MUD SETTLEMENT: EAST SIDE; 300' NORTH OF NY 49	N
07521.000011	MUD SETTLEMENT RD CR 37 PHILLIPS-SCHEIDLEMAN FARM (BUILDING 0) MUD SETTLEMENT: WEST SIDE; AT NY 49; NORTH SIDE	N
07521.000009	MUD SETTLEMENT RD CR 37 W. A. SELLER RESIDENCE (BUILDING M) MUD SETTLEMENT: EAST SIDE; AT NY 49; NORTH SIDE	N
07521.000008	NY 49 SIDE-GABLE RESIDENCE (BUILDING I) MUD SETTLEMENT: SOUTH SIDE; 4TH BUILDING EAST OF CR 37	N

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USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07521.000005	B		RTE 49 BUILDING C (DOT PIN #3802.15.101) SOUTH SIDE; 2ND BUILDING EAST OF GILMORE RD	N				
07521.000006	B		RTE 49 BUILDING F (DOT PIN #3802.15.101) SOUTH SIDE; 4TH BUILDING EAST OF GILMORE RD	N				
07522.000006	A		FREEMAN BLACKSMITH SHOP SITE (SUBI-1703)	D				
07522.000005	A		MORSE DAM SITE (SUBI-1704)	D				
07522.000007	A		MORSE GRIST MILL SITE (SUBI-1702)	D				
07522.000008			589 BARTLEY RD TRUDELL HOUSE CR 19	N				
07522.000001			CR 13 DWELLING WILLIAMSTOWN: SOUTH SIDE; STONE HILL RD; WEST SIDE					
07522.000009	B		440 MAIN ST	N				
07522.000004			NY 13 BIN 1-01067-0 OVER WEST BRANCH OF FISH CREEK	N				
07522.000002	B		4608 NY 13	D				
07522.000003	B		4610 NY 13	D				
07522.000010	B		1002 NY 183	N				
07540.000008			ALVIN BRONSON HOUSE					
07540.000022			BRENEMEN SHADE CO					
07540.000295	A		EAST 14TH STREET SITE	U				
07540.000028			HISTORIC DISTRICT					
07540.000296	A		MICHALSKI SITE	U				
07540.000021			MUSICO MOTORS BLDG					
07540.000297	A		NORTHWESTERN GRAIN ELEVATOR SITE WEST SIDE LINEAR PARK	I				

07540.000024 O'BRIEN BLDG

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07540.000294	B		OSWEGO HARBOR WEST PIERHEAD LIGHTHOUSE	L	00NR01679	9/22/2000	12/1/2000	
07540.000010			RIVERFRONT PARK OSWEGO:					
07540.000012			ROCHESTER BUSINESS INSTITUTE					
07540.000011			SEE FORM 0241					
07540.000156	A		SITE 1 VARICK CANAL					
07540.000165	A		SITE 10, FOUNDATION & REMAINS OF SASH & BLIND FACTORY (MUSICO MOTORS)					
07540.000166	A		SITE 11, MID 19TH & EARLY 20TH CENT DEPOSIT					
07540.000167	A		SITE 12, MID-19TH TO EARLY 20TH CENT DEPOSIT					
07540.000168	A		SITE 13, MID TO LATE-19TH CENT DEPOSIT					
07540.000169	A		SITE 14, LATE 19TH TO EARLY 20TH CENT DEPOSIT					
07540.000170	A		SITE 15, EARLY 19TH TO EARLY 20TH CENT DEPOSIT					
07540.000171	A		SITE 16, DEPOSIT OF 3RD OR 4TH DECADE OF 19TH CENT					
07540.000172	A		SITE 17, EARLY 19TH TO LATE 19TH CENT DEPOSIT					
07540.000173	A		SITE 18, LATE 19TH TO EARLY 20TH CENT ROCK SLAB FOUNDATION & DEPOSIT					
07540.000174	A		SITE 19, MID TO LATE 19TH CENT DEPOSIT					
07540.000157	A		SITE 2, 19TH CENTURY COMMERCIAL DEPOSIT					

07540.000175	A	SITE 20, LATE 19TH CENT DEPOSIT
07540.000176	A	SITE 21, MID TO LATE 19TH CENT DEPOSIT
07540.000177	A	SITE 22, FOUR STRATUM DEPOSIT, MID 19TH TO EARLY 20TH CENT
07540.000178	A	SITE 23, MID TO END 19TH CENT DEPOSIT

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USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07540.000179	A		SITE 24, 1820'S DEPOSIT					
07540.000180	A		SITE 25, TWO STRATUM DEPOSIT, 18TH & MID 19TH TO EARLY 20TH CENT					
07540.000181	A		SITE 26, TWO STRATUM DEPOSIT, MID 19TH CENT OF UNDATABLE					
07540.000182	A		SITE 27, 19TH CENT DEPOSIT					
07540.000183	A		SITE 28, EARLY 19TH TO EARLY 20TH CENT DEPOSIT					
07540.000184	A		SITE 29, DEPOSIT OF 2ND OR 3RD DECADE, 19TH CENT					
07540.000158	A		SITE 3, TWO STRATUM REFUSE DEPOSIT					
07540.000185	A		SITE 30, UNDATABLE STRATIFIED DEPOSIT					
07540.000186	A		SITE 31, MID TO LATE 19TH CENT DEPOSIT					
07540.000187	A		SITE 32, MORTARED ROCK FOUNDATION (CARRIAGE HOUSE?)					
07540.000188	A		SITE 33, MID 19TH TO MID 20TH MIXED DEPOSIT					
07540.000159	A		SITE 4, BUILDING FOUNDATION & COMMERCIAL-INDUSTRIAL DEPOSIT					
07540.000160	A		SITE 5, LATE 19TH CENTURY DEPOSIT					
07540.000161	A		SITE 6, 19TH CENTURY DOMESTIC-COMMERCIAL DEPOSIT					
07540.000162	A		SITE 7, ONTARIO IRON WORKS SITE					

07540.000163	A	SITE 8, 19TH CENTURY, DOMESTIC DEPOSIT					
07540.000164	A	SITE 9, 19TH-20TH CENT DOMESTIC DEPOSIT					
07540.000268		TUGBOAT NASH OSWEGO HARBOR	L	93NR00441	12/4/1991	12/4/1991	12/4/1991
07540.000015		WEST PARK					
07540.000579	A	Chodubski Historic Site (NYSM #12134) South of NYS Route 104	I				

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07540.000565	A		Clarke Farmstead and Cemetery East side of the City of Oswego, North side of NYS	I				
07540.000572	A		Dolway Farm/Oswego Preserving Co. Canning Factory Historic Site (NYSM 11774) South of NYS Route 104, 200 ft northeast of Sheldon Ave	U				
07540.000537	S		Goble Drydock Oswego Harbor	I				
07540.000539	S		Oswego Canal	D				
07540.000538	O		Steam Dredge Oswego Harbor	I				
07540.000569	A		Toad Vale Historic Archaeological Site Corner of East Fourth Street and East Schuyler Street	U				
07540.000270	B		34 BRIDGE ST 31 EAST MAIN STREET	N				
07540.000055			10 BRONSON ST VFW #5885					
07540.000056			12 BRONSON ST LITTLEJOHN HOUSE					
07540.000057			15 BRONSON ST BUNNER-EMERICK HOUSE (DELTA KAPPA KAPPA)					
07540.000577	B		1 Buccaneer Blvd Leighton Elementary School	N				
07540.000353			33 Burden Dr	N				
07540.000301			BURKEL ST EAST RIVER RD ST FRANCIS HALL GYM NEAR EAST 7TH ST					
07540.000390	B		Burkle St Catholic High School Academic Building	I				
07540.000293	S		CANAL HOUSE RD BIN 4-43418-0 LOCK O-7	D				
07540.000389	B		300 Cherry St	I				
07540.000544	B		172 Conway Terr	D				
07540.000545	B		174 Conway Terr	D				

07540.000546	B	176 Conway Terr	D
07540.000547	B	178 Conway Terr	D

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07540.000548	B		180 Conway Terr	D				
07540.000549	B		182 Conway Terr	D				
07540.000550	B		183 Conway Terr	D				
07540.000551	B		184 Conway Terr	D				
07540.000552	B		185 Conway Terr	D				
07540.000553	B		186 Conway Terr	D				
07540.000554	B		187 Conway Terr	D				
07540.000555	B		188 Conway Terr	D				
07540.000556	B		189 Conway Terr	D				
07540.000557	B		190 Conway Terr	D				
07540.000558	B		191 Conway Terr	D				
07540.000559	B		192 Conway Terr	D				
07540.000560	B		193 Conway Terr	D				
07540.000561	B		195 Conway Terr	D				
07540.000562	B		197 Conway Terr	D				
07540.000563	B		199 Conway Terr	D				
07540.000564	B		201 Conway Terr	D				
07540.000025			CR 57 OSWEGO COUNTY JAIL					
07540.000307			EAST ALBANY ST BRIDGE, BIN 2209410 OVER CSX RAILROAD	N				
07540.000311			186 EAST ALBANY ST	N				

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07540.000310			187 EAST ALBANY ST	N				
07540.000309			188 EAST ALBANY ST	N				
07540.000308			194 EAST ALBANY ST	N				
07540.000305	S		East Bridge St East Cayuga St HYDRAULIC CANAL WEST OF EAST FIRST STREET	U				
07540.000392	B		112 East Bridge St Firehouse	I				
07540.000286	B		157 EAST BRIDGE ST OSWEGO SUPPLY CO/US ARMORY	N				
07540.000575	B		195 East Bridge St Fitzhugh Park Elementary School	U				
07540.000376	B		226 East Bridge St	N				
07540.000026			46 EAST BRIDGE ST OSWEGO COUNTY OFFICE BUILDING SOUTH SIDE; AT EAST 2ND ST	N				
07540.000252			47 East Bridge St (DEMPSEY'S)					
07540.000285	B		57 EAST BRIDGE ST	N				
07540.000391	B		90 East Bridge St St. Louis Roman Catholic Church	I				
07540.000290	B		EAST CAYUGA ST EAST SCHUYLER ST PRICE CHOPPER	N				
07540.000289	B		EAST CAYUGA ST EAST THIRD ST OSWEGO FIRE DEPT SOUTHWEST CORNER OF EAST THIRD ST	N				
07540.000393	B		9 East Cayuga St The Crystal Rose	I				
07540.000450	B		125 East Eighth St Coe House	I				
07540.000380	B		197 East Eighth St	N				
07540.000578	B		269 East Eighth St, 269 East 8th St Riley Elementary School	N				
07540.000333	B		31 EAST EIGHTH ST	N				
07540.000335	B		174 EAST ELEVENTH ST	N				

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07540.000436	B		115 East Fifth St St. Paul's Academy	I				
07540.000437	B		141 East Fifth St	I				
07540.000438	B		245 East Fifth St	I				
07540.000435	B		52 East Fifth St	I				
07540.000291			EAST FIRST ST NY & OSWEGO MIDLAND RR TUNNEL/WALLS	I				
07540.000287	B		EAST FIRST ST EAST ONEIDA ST NORTH EAST CORNER OF EAST ONEIDA ST	N				
07540.000304			157 EAST FIRST ST FORMER ARMORY (1870S)	N				
07540.000267	B		215-221 EAST FIRST ST BRENEMAN MILL (OSWEGO MILLS) COMPLEX	I				
07540.000016			EAST FOURTH ST UNITED CHURCH OF CHRIST CONGREGATIONAL EAST SIDE; AT EAST ONEIDA ST; NORTH SIDE					
07540.000567	B		18 East Fourth St	N				
07540.000317	B		63 EAST FOURTH ST	N				
07540.000431	B		81 East Fourth St	I	08NR05932			
07540.000432	B		85 East Fourth St	I	08NR05932			
07540.000433	B		87 East Fourth St	I	08NR05932			
07540.000434	B		91 East Fourth St	I	08NR05932			
07540.000394	B		55 East Mohawk St	I				
07540.000395	B		68 East Mohawk St	D				
07540.000007			69 EAST MOHAWK ST MCWHORTER-FARRELL HOUSE	D				
07540.000396	B		79 East Mohawk St	D				
			80 EAST MOHAWK ST CLARKE, EDWIN W. AND	L				

07540.000342 CHARLOTTE, HOUSE 02NR01892 12/20/2001 2/26/2002

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07540.000397	B		82-84 East Mohawk St	D				
07540.000398	B		83 East Mohawk St	D				
07540.000334	B		119 East Ninth St	N				
07540.000319	B		239 EAST NINTH ST	N				
07540.000336	B		343 EAST NINTH ST	N				
07540.000330	B		49 EAST NINTH ST	N				
07540.000542	B		60 East Ninth St	I				
07540.000337	B		102 EAST ONEIDA ST	N				
07540.000566	B		148 East Oneida St	N				
07540.000399	B		24 East Oneida St	D				
07540.000400	B		26 East Oneida St	D				
07540.000401	B		30 East Oneida St	D				
07540.000402	B		34 East Oneida St	D				
07540.000403	B		36 East Oneida St	D				
07540.000404	B		38 East Oneida St	D				
07540.000405	B		39 East Oneida St	D				
07540.000306			42 EAST ONEIDA ST	U				
07540.000316	B		44 EAST ONEIDA ST HAMILTON LITTLEFIELD HOUSE	L	02NR01891	12/20/2001	2/26/2002	
07540.000543	B		101 East Schuyler St	I				
07540.000343	A		EAST SECOND ST AMERS IRON WORKS SITE					

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07540.000288	B		EAST SECOND ST EAST ONEIDA ST PROFESSIONAL OFFICE SOUTHWEST CORNER OF EAST ONEIDA ST	N				
07540.000001	B		120 EAST SECOND ST OSWEGO PUBLIC LIBRARY	L	90NR02145	6/23/1980	9/22/1971	
07540.000322	B		125 EAST SENECA ST	N				
07540.000349	B		127 East Seneca St	N				
07540.000324	B		143 EAST SENECA ST	N				
07540.000381	B		145 East Seneca St	N				
07540.000009			EAST SEVENTH ST FORT ONTARIO	L	90NR02144	6/23/1980	12/18/1970	
07540.000441	B		129 East Seventh St	D				
07540.000442	B		133 East Seventh St	D				
07540.000443	B		137 East Seventh St	D				
07540.000444	B		139 East Seventh St	D				
07540.000445	B		143 East Seventh St	D				
07540.000446	B		147-149 East Seventh St	D				
07540.000447	B		165 East Seventh St	I				
07540.000448	B		183 East Seventh St	I				
07540.000449	B		191 East Seventh St	I				
07540.000439	B		146 East Sixth St	I				
07540.000440	B		201 East Sixth St Grace Evangelical Lutheran Church	I				
07540.000451	B		East Tenth St Mitchell St School #2	I				
07540.000410	B		106 East Third St	D				

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07540.000411	B		107 East Third St	D				
07540.000412	B		108 East Third St	D				
07540.000413	B		110 East Third St	D				
07540.000415	B		111 East Third St	D				
07540.000414			112 East Third St					
07540.000416	B		113 East Third St	D				
07540.000417	B		115 East Third St	D				
07540.000418	B		116 East Third St	D				
07540.000419	B		117 East Third St	D				
07540.000420	B		118 East Third St	D				
07540.000421	B		119 East Third St	D				
07540.000422	B		120 East Third St	D				
07540.000423	B		121 East Third St	D				
07540.000424	B		123 East Third St	D				
07540.000425	B		124 East Third St	D				
07540.000426	B		128 East Third St	D				
07540.000427	B		130 East Third St	D				
07540.000428	B		132 East Third St	D				
07540.000003			135 EAST THIRD ST RICHARDSON-BATES HOUSE	L	90NR02148	6/23/1980	9/5/1975	
07540.000429	B		138 East Third St	D				

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07540.000327			144 EAST THIRD ST JOHN B. AND LYDIA EDWARDS HOUSE	L	01NR01867	9/19/2001	12/4/2001	
07540.000430	B		165 East Third St	I				
07540.000312			178 EAST THIRTEENTH ST	N				
07540.000313			183 EAST THIRTEENTH ST	N				
07540.000344	B		28 EAST UTICA ST	I				
07540.000274	B		43 EAST UTICA ST LADIES HOME OF OSWEGO	I				
07540.000406	B		49 East Utica St	I				
07540.000407	B		52 East Utica St	I				
07540.000408	B		76 East Utica St	I				
07540.000409	B		77 East Utica St	I				
07540.000321	B		15 EAST VAN BUREN ST	N				
07540.000331	B		19 EAST VAN BUREN ST	N				
07540.000332	B		21 EAST VAN BUREN ST	N				
07540.000341	T-111		23 EAST VAN BUREN ST C1890 2-STORY, WOOD-FRAME SIDED MULTI RES	N				
07540.000455	B		102 Ellen St	I				
07540.000452	B		12 Ellen St	I				
07540.000453	B		75-77 Ellen St	I				
07540.000454	B		90 Ellen St	I				
07540.000456	B		38 Erie St St. John's Church and Rectory	I				
07540.000315			72 ERIE ST	N				

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07540.000387	B		96 Erie St	N				
07540.000540	S		Franklin Square Franklin Square	L				
07540.000541	B		282 George Washington Blvd	I				
07540.000340			90 HELEN ST 1 1/2 STORY WOOD-FRAME RES C1840 (ALTERED)	N				
07540.000571	B		1 Lake St USCG Station at the port of Oswego	N				
07540.000457	B		41 Lake St Roy C. McCrobie Civic Center	I	08NR05933			
07540.000354			69 Liberty St	N				
07540.000328	B		37 MERCER ST	N				
07540.000339			53 MERCER ST 2-STORY WOOD-FRAME RES C1820 (ALTERED)	N				
07540.000346	B		75 Mercer St	N				
07540.000458	B		10 Merrick St	I				
07540.000292	A		MIDDLE RD JOHNSON FARMSTEAD HISTORIC SITE NORTH; SOUTH OF RR					
07540.000329	B		18 MINERVA ST	N				
07540.000459	S		Mitchell St George St St. Paul's Cemetery	I				
07540.000338			3 MITCHELL ST 2-STORY WOOD-FRAME RES C1880	N				
07540.000323	B		5 MITCHELL ST	N				
07540.000320	B		59 MITCHELL ST	N				
07540.000358	B		17 Montcalm St	L	01NR01754	3/31/2001	5/25/2001	
07540.000359	B		21 Montcalm St	L	01NR01754	3/31/2001	5/25/2001	
07540.000360	B		24 Montcalm St	L	01NR01754	3/31/2001	5/25/2001	

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07540.000361	B		25 Montcalm St	L	01NR01754	3/31/2001	5/25/2001	
07540.000362	B		28 Montcalm St	L	01NR01754	3/31/2001	5/25/2001	
07540.000363	B		30 Montcalm St	L	01NR01754	3/31/2001	5/25/2001	
07540.000364	B		32 Montcalm St	L	01NR01754	3/31/2001	5/25/2001	
07540.000365	B		38 Montcalm St	L	01NR01754	3/31/2001	5/25/2001	
07540.000366	B		44-46 Montcalm St	L	01NR01754	3/31/2001	5/25/2001	
07540.000367	B		48 Montcalm St	L	01NR01754	3/31/2001	5/25/2001	
07540.000368	B		50 Montcalm St	L	01NR01754	3/31/2001	5/25/2001	
07540.000054			56 MONTCALM ST PARSONS (FARRELL HOUSE)	L	01NR01754	3/31/2001	5/25/2001	
07540.000369	B		60 Montcalm St	L	01NR01754	3/31/2001	5/25/2001	
07540.000053			8 MONTCALM ST PARDEE HOUSE (SIGMA TAU CHI FRATERNITY)	L	01NR01754	3/31/2001	5/25/2001	
07540.000053			8 MONTCALM ST PARDEE HOUSE (SIGMA TAU CHI FRATERNITY)	L	91NR00251			
07540.000460	B		149 Niagara St St. Joseph's Roman Catholic Church	I				
07540.000023			NORTH WEST ELEVATOR WEST HARBOR					
07540.000283	B		NY 104 BIN 1-03660-0 OVER CONRAIL	N				
07540.000277	B		NY 104 BLOCKBUSTER VIDEO 40 M NW OF NY 104/GEORGE ST INTERSECTION	N				
07540.000282	B		NY 104 DWELLING SOUTH SIDE; EAST 13TH ST	N				
07540.000280	B		NY 104 KEY BANK SOUTH SIDE; WSW OF NY 104/GEORGE ST INTERSECTION	N				
07540.000278	B		NY 104 MALL BLDG SOUTH SIDE; 45 M SOUTH OF	N				

		NY 104/GEORGE ST INTERSECTION	
07540.000275	B	NY 104 ONE-HOUR PHOTO 30 M NNE OF NY 104/EAST 13TH ST INTERSECTION	N

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07540.000276	B		NY 104 P & C PLAZA NW OF NY 104/GEORGE ST INTERSECTION	N				
07540.000279	B		NY 104 PENNY'SDG SOUTH SIDE; SW OF NY 104/GEORGE ST INTERSECTION	N				
07540.000281	B		NY 104 SUBWAY SOUTH SIDE; WSW OF NY 104/GEORGE ST INTERSECTION	N				
07540.000461	S		NY 104 Clark Family Cemetery	I				
07540.000462	S		NY 481 Churchill Rd St. Peter's Cemetery	I				
07540.000386	B		64 Ontario St	N				
07540.000374	B		21 Porter St	N				
07540.000463	S		84 Sheldon Ave	I				
07540.000298	B		180 SYRACUSE AVE	N				
07540.000464	B		204 Syracuse Ave	D				
07540.000466	B		205-207 Syracuse Ave	D				
07540.000465	B		206 Syracuse Ave	D				
07540.000468	B		28 Varick St	D				
07540.000467	B		31 Varick St	D				
07540.000027			WASHINGTON BLVD SHELDON HALL SUNY COLLEGE AT OSWEGO	L	90NR02151	6/23/1980	5/13/1980	
07540.000271	B		300 WASHINGTON BLVD KING HALL SUNY COLLEGE AT OSWEGO	I				
07540.000014			WASHINGTON SQ OSWEGO COUNTY COURTHOUSE EAST PARK	L	00NR01678	9/22/2000	12/7/2000	
07540.000002			153-161 WATER ST OSWEGO MARKET HOUSE & VILLAGE HALL	L	90NR02147	6/23/1980	6/20/1974	
	B		118 West Bridge St	D				

07540.000470			
07540.000469	B	19 West Bridge St	D

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07540.000029			62 WEST BRIDGE ST (JENO RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000031			63 WEST BRIDGE ST MCLEAN-BEERS-PENFIELD (BOHALL RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000032			65 WEST BRIDGE ST (DAVIES RESIDENCE	L	90NR02152	6/18/1982	8/4/1982	
07540.000033			69 WEST BRIDGE ST FIRST PRESBYTERIAN CHURCH (AMERICAN LEGION)	L	90NR02152	6/18/1982	8/4/1982	
07540.000265			7 WEST BRIDGE ST BUCKOUT-JONES BLDG	L	01NR01868	9/19/2001	12/4/2001	
07540.000030			70 WEST BRIDGE ST (GESSNER RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000034			73 WEST BRIDGE ST (LOESHER HOUSE) PRESBYTERIAN RECTORY	L	90NR02152	6/18/1982	8/4/1982	
07540.000194			WEST CAYUGA ST ST MARY'S CHURCH NORTH SIDE; LOT BETWEEN WEST SIXTH & WEST SEVENTH STREETS					
07540.000532	B		117 West Cayuga St	I				
07540.000348			143 West Cayuga St	N				
07540.000264	B		17 WEST CAYUGA ST, 142-150 West First St WOODRUFF BUILDING	L	95NR00820	3/9/1995	4/20/1995	
07540.000196			23-29 WEST CAYUGA ST (AUTO SERVICE)					
07540.000198			26 WEST CAYUGA ST (MONORAIL CAR WASH)					
07540.000197			33 WEST CAYUGA ST (WELLAND APT)					
07540.000199			34 WEST CAYUGA ST (WALLACE RES)					
07540.000044			37 WEST CAYUGA ST (WILTSIE RESIDENCE	L	90NR02152	6/18/1982	8/4/1982	
07540.000048			40 WEST CAYUGA ST JACOB J FORT HOUSE (PHI OMICRON XI FRATERNITY)	L	90NR02152	6/18/1982	8/4/1982	
07540.000049			46 WEST CAYUGA ST (SCOVILLE FUNERAL HOME)	L	90NR02152	6/18/1982	8/4/1982	
07540.000195			5 WEST CAYUGA ST (BARRETT'S INS & SCHULER COAL)					
			50 WEST CAYUGA ST					

07540.000050	(MCCROSKERY RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982

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07540.000018			60 WEST CAYUGA ST BRONSON (CULKIN HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000045			69 WEST CAYUGA ST	L	90NR02152	6/18/1982	8/4/1982	
07540.000046			71 WEST CAYUGA ST HARDIE-LALLY-MCGRATH (STEWART HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000047			73 WEST CAYUGA ST HENRY (GROSE HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000052			74 WEST CAYUGA ST DOLAN (COMERFORD HOUSE)					
07540.000471	B		95 West Cayuga St	D				
07540.000530	B		116 West Eighth St	I				
07540.000531	B		123 West Eighth St	I				
07540.000326			96 WEST EIGHTH ST JOHN AND HARRIET MCKENZIE HOUSE	L	01NR01866	9/19/2001	12/4/2001	
07540.000325			98 WEST EIGHTH ST NATHAN AND CLARRISA GREEN HOUSE	L	01NR01865	12/2/2001	2/26/2002	
07540.000093			10 WEST FIFTH ST (SCHWEYN RESIDENCE)					
07540.000116			100 WEST FIFTH ST (ALLEN HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000117			104 WEST FIFTH ST (BARRETT RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000124			11 WEST FIFTH ST (ELIZABETH O OTIS)					
07540.000147			115 WEST FIFTH ST (RESTUCCIA HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000148			117 WEST FIFTH ST (CALAMAN HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000149			119 WEST FIFTH ST (SAVAS HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000094			12 WEST FIFTH ST (F PALMITESSO RESIDENCE)					
07540.000118			120 WEST FIFTH ST CHURCH OF THE RESURRECTION EPISCOPAL	L	90NR02152	6/18/1982	8/4/1982	
07540.000150			121 WEST FIFTH ST (BOHALL HOUSE)	L	90NR02152	6/18/1982	8/4/1982	

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07540.000151			123 WEST FIFTH ST JAMES SLOAN HOUSE (BURKE APARTMENTS)	L	90NR02152	6/18/1982	8/4/1982	
07540.000006			124 WEST FIFTH ST PENFIELD-CONWAY HOUSE	L	90NR02152	6/18/1982	8/4/1982	
07540.000125			13 WEST FIFTH ST (WM S CAHALL RESIDENCE)					
07540.000120			130 WEST FIFTH ST JOHNSON HOUSE (KNIGHTS OF COLUMBUS COUNCIL 227)	L	90NR02152	6/18/1982	8/4/1982	
07540.000121			132 WEST FIFTH ST (ELKS LODGE ROOMS)	L	90NR02152	6/18/1982	8/4/1982	
07540.000152			133 WEST FIFTH ST (MCDONALD HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000153			135 WEST FIFTH ST (SEYMOUR RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000154			137 WEST FIFTH ST (LEADBETTER RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000095			14 WEST FIFTH ST (B HARDY RESIDENCE)					
07540.000122			140 WEST FIFTH ST (ALPHA SIGMA CHI SORORITY HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000155			141 WEST FIFTH ST (BOND RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000126			15 WEST FIFTH ST BERNADETTE MC BREARTY RESIDENCE					
07540.000096			16 WEST FIFTH ST (LEROY RESIDENCE)					
07540.000127			17 WEST FIFTH ST (STEWART RESIDENCE)					
07540.000097			18 WEST FIFTH ST VACANT RESIDENCE					
07540.000128			19 WEST FIFTH ST (LASS RESIDENCE)					
07540.000098			20 WEST FIFTH ST (FLICK RESIDENCE)					
07540.000129			21 WEST FIFTH ST (WHITE RESIDENCE)					
07540.000130			23 WEST FIFTH ST (ED E WALLACE RESIDENCE)					
07540.000099			24 WEST FIFTH ST (DI PASQUALE RESIDENCE)					

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07540.000131			25 WEST FIFTH ST (JF COLLOCA RESIDENCE)					
07540.000132			27 WEST FIFTH ST (J COLLOCA RESIDENCE)					
07540.000576	B		275 West Fifth St, 275 West 5th St Kingsford Park Elementary School	U				
07540.000100			30 WEST FIFTH ST (PSI PHI FRATERNITY HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000388	B		311 West Fifth St	N				
07540.000101			34 WEST FIFTH ST APTS	L	90NR02152	6/18/1982	8/4/1982	
07540.000520	B		351 West Fifth St	I				
07540.000102			36 WEST FIFTH ST QUIRK-KJINEY (YAGER HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000134			37 WEST FIFTH ST (JERRITT RESIDENCE)					
07540.000135			39 WEST FIFTH ST DOWDLE HOUSE	L	90NR02152	6/18/1982	8/4/1982	
07540.000091			4 WEST FIFTH ST (TEIFKE RESIDENCE)					
07540.000103			42 WEST FIFTH ST EGGLESTON (CULLINAN HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000136			43 WEST FIFTH ST (CRAWFORD HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000104			44 WEST FIFTH ST (SALISBURY RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000137			49 WEST FIFTH ST (BOND-CONN HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000105			50 WEST FIFTH ST MCGOUGH HOUSE (MENA RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000138			51 WEST FIFTH ST (ALLISON RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000521	B		516 West Fifth St	I				
07540.000139			53-55 WEST FIFTH ST (DOWD RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000522	B		531 West Fifth St Buckhout Farm	I				

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07540.000106			54 WEST FIFTH ST PHI LAMBDA PHI-KELLOG	L	90NR02152	6/18/1982	8/4/1982	
07540.000523	B		553 West Fifth St Kingsford Retreat Farm	I				
07540.000140			59 WEST FIFTH ST MOTT (EMERICK HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000107			64 WEST FIFTH ST EB MOTT (BUSKE RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000108			68 WEST FIFTH ST (BELVIDERE APTS)	L	90NR02152	6/18/1982	8/4/1982	
07540.000141			69 WEST FIFTH ST (HAMMILL RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000123			7 WEST FIFTH ST (FRANCIS I WALLACE RESIDENCE)					
07540.000142			71 WEST FIFTH ST (CANFIELD RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000109			72 WEST FIFTH ST PILOT, MARTIN; LAFLAMM, EARL F.; WENNBUG, RICHARD (REYNER RES)	L	90NR02152	6/18/1982	8/4/1982	
07540.000143			73 WEST FIFTH ST (SOLOMON RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000110			74 WEST FIFTH ST PENFIELD HOUSE	L	90NR02152	6/18/1982	8/4/1982	
07540.000144			75 WEST FIFTH ST (KRONENBITTER RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000145			77 WEST FIFTH ST MURPHY-WRIGHT-WALTERS (SMILEY RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000111			78 WEST FIFTH ST (RALPH FAUST HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000146			79 WEST FIFTH ST HALL (GAGAS HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000092			8 WEST FIFTH ST (LASS RESIDENCE)					
07540.000017			80 WEST FIFTH ST KELLOG-PEEBLES PEREZ HOUSE	L	90NR02152	6/18/1982	8/4/1982	
07540.000113			88 WEST FIFTH ST (KOGAN RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000114			90 WEST FIFTH ST (RILEY HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000115			98 WEST FIFTH ST (C DAIN JR RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	

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07540.000254	A		WEST FIRST ST (MITCHELL-O'BRIEN BUILDING) BLOCK SITE					
07540.000260			WEST FIRST ST PONTIAC HOTEL	L	90NR02153	5/24/1983	7/21/1983	
07540.000005	A		WEST FIRST ST SITE OF FORT OSWEGO AT VAN BUREN ST					
07540.000484	B		West First St West Albany St Bridie Manor	I				
07540.000250			103 WEST FIRST ST WRIGHT & BOYLE SASH & BLIND FACTORY (MUSILO MOTORS BLDG) DEMOLISHED					
07540.000262			109 WEST FIRST ST	L	90NR03069		6/13/1979	
07540.000263			123 WEST FIRST ST	L	90NR03069		6/13/1979	
07540.000272	B		159 WEST FIRST ST	N				
07540.000273	B		167 WEST FIRST ST	I				
07540.000574	B		169 West First St	N				
07540.000255			175-177 WEST FIRST ST (GOLDBERG'S FURNITURE)		03NR05185			
07540.000378	B		191 West First St	N				
07540.000379	B		195 West First St	N				
07540.000535	B		207-209 West First St Jefferson Block (aka 190 Water St at rear)	I				
07540.000266			215-219 WEST FIRST ST BROWNE-DAVIS FURNITURE COMPANY	L	95NR00840	6/12/1995	7/21/1995	
07540.000303			249 WEST FIRST ST YMCA	N				
07540.000258	B		265 WEST FIRST ST OSWEGO ARMORY	L	90NR02154	4/8/1988	5/19/1988	
07540.000483	B		317 West First St	I	07NR05791	3/10/2008	5/15/2008	
07540.000485	B		411 West First St Niagara Mohawk Site	I				
07540.000486	B		472 West First St Brosemer Brewery	I	08NR05947			

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07540.000487	S		571 West First St High Dam	I				
07540.000488	B		610 West First St Oswego Country Club	I				
07540.000079			102 WEST FOURTH ST IRWIN (KESSLER RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000085			105 WEST FOURTH ST (HAMILTON HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000086			107 WEST FOURTH ST (KINGSTON RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000087			109 WEST FOURTH ST (W BURCH HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000080			110 WEST FOURTH ST (MRS. E FRANKLIN RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000081			112 WEST FOURTH ST (NUTTING RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000088			113 WEST FOURTH ST FISHER HOUSE (KROLIK RES)	L	90NR02152	6/18/1982	8/4/1982	
07540.000082			114 WEST FOURTH ST (W BURCH RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000089			115 WEST FOURTH ST (FENLON RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000083			116 WEST FOURTH ST (W BURCH HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000084			118 WEST FOURTH ST (MORISETTE HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000090			119 WEST FOURTH ST (NESBITT RES) GINGERBREAD HOUSE	L	90NR02152	6/18/1982	8/4/1982	
07540.000507	B		129 West Fourth St	I				
07540.000508	B		150 West Fourth St	D				
07540.000509	B		156 West Fourth St	D				
07540.000510	B		158 West Fourth St	D				
07540.000511	B		160 West Fourth St	D				
07540.000512	B		162 West Fourth St	D				

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07540.000513	B		163 West Fourth St	D				
07540.000514	B		165 West Fourth St	D				
07540.000515	B		166 West Fourth St	D				
07540.000516	B		170 West Fourth St	D				
07540.000517	B		172 West Fourth St	D				
07540.000518	B		177 West Fourth St	D				
07540.000383	B		21 West Fourth St	N				
07540.000519	B		257 West Fourth St St. John's School	I				
07540.000385	B		260 West Fourth St	N				
07540.000505	B		28 West Fourth St	I				
07540.000506	B		68 West Fourth St	I				
07540.000472	B		22 West Mohawk St La Vid Verdadera Church	I				
07540.000473	B		27 West Mohawk St	I				
07540.000474	B		53 West Mohawk St	I				
07540.000475	B		59 West Mohawk St	D				
07540.000476	B		61 West Mohawk St	D				
07540.000004			WEST ONEIDA ST OSWEGO CITY HALL BETWEEN WEST FIRST AND WEST SECOND	L	90NR02146	6/23/1980	2/20/1973	
07540.000482	B		West Oneida St Presbyterian Church	I				
07540.000013			20 WEST ONEIDA ST, 000 WEST FIRST ST US CUSTOMHOUSE BETWEEN WEST FIRST AND WEST SECOND STREETS	L	90NR02150	6/23/1980	11/21/1976	
07540.000477	B		22 West Oneida St	D				

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07540.000478	B		26 West Oneida St	D				
07540.000479	B		28 West Oneida St	D				
07540.000480	B		30 West Oneida St	D				
07540.000481	B		40 West Oneida St	D				
07540.000533	B		41 West Oneida St	N				
07540.000377	B		650 West River Rd	N				
07540.000200			WEST SCHUYLER ST MARKER FOR MONTCALM PARK NORTH SIDE; LOT BETWEEN MONTCALM & WEST SIXTH STS					
07540.000201			16 WEST SCHUYLER ST (WALLACE RESIDENCE)					
07540.000202			20 WEST SCHUYLER ST (S.E.M. AUTO PARTS)					
07540.000203			30 WEST SCHUYLER ST (FRAGALE RES)					
07540.000208			45 WEST SCHUYLER ST CHALONE HOUSE					
07540.000205			46 WEST SCHUYLER ST (LEWIS RES)					
07540.000209			47 WEST SCHUYLER ST (GUNTHER RES)					
07540.000210			49 WEST SCHUYLER ST (GUNTHER APTS)					
07540.000211			55 WEST SCHUYLER ST (FLICK RES)					
07540.000212			57 WEST SCHUYLER ST (LASS RES)					
07540.000206			58 WEST SCHUYLER ST (HOEY RESIDENCE)					
07540.000213			59 WEST SCHUYLER ST (BOUCHARD RES)					
07540.000207			60 WEST SCHUYLER ST (BOHLINGER RESIDENCE)					
07540.000214			67 WEST SCHUYLER ST (MAXON RES)					

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07540.000043			73 WEST SCHUYLER ST (LUTHER W MOTT JR RESIDENCE					
07540.000300	A		West Second St HISTORIC STONE SLIP C.1880 - C.1949 End of West Second St					
07540.000269	B		135-139 WEST SECOND ST	N				
07540.000256			138 WEST SECOND ST OSWEGO THEATER	L	90NR03135	7/19/1988	9/19/1988	
07540.000536	B		178 West Second St	D				
07540.000489	B		180 West Second St	D				
07540.000490	B		182 West Second St	D				
07540.000491	B		188 West Second St	D				
07540.000314			282 WEST SECOND ST	N				
07540.000204			42 WEST SECOND ST HAYES TEXTILES (J&K BOILER)					
07540.000347			47 West Second St					
07540.000241			1 WEST SENECA ST STONE STORE (CAHILL'S FISH)					
07540.000261	B		1 West Seneca St WALTON & WILLETT STONE STORE	L	90NR02149	6/23/1980	5/24/1976	
07540.000242			11 WEST SENECA ST (CATALONE'S RESTAURANT)					
07540.000568	B		129 West Seneca St	N				
07540.000243			13 WEST SENECA ST (COUNTY CLEANERS STORAGE)					
07540.000247			14 WEST SENECA ST (SCOTTY'S SUNOCO)					
07540.000244			19 WEST SENECA ST (TANNERS ANTIQUES)					
07540.000245			29 WEST SENECA ST MCDONOUGH-MCCORMACK-WRIGHT INC (INSURANCE)					
07540.000248			32 WEST SENECA ST (ANNA DOYLE HOUSE)					

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07540.000246			33 WEST SENECA ST (KELLY RES)					
07540.000249			35 WEST SENECA ST (ZONI PHOTO)	L	90NR02152	6/18/1982	8/4/1982	
07540.000035			41 WEST SENECA ST CARAPETYAN RESIDENCE	L	90NR02152	6/18/1982	8/4/1982	
07540.000036			43 WEST SENECA ST C SNYDER JR RESIDENCE	L	90NR02152	6/18/1982	8/4/1982	
07540.000037			45 WEST SENECA ST MULCAHEY RESIDENCE	L	90NR02152	6/18/1982	8/4/1982	
07540.000038			47 WEST SENECA ST IOSUE RESIDENCE	L	90NR02152	6/18/1982	8/4/1982	
07540.000039			49 WEST SENECA ST MISEN-SHANLEY HOUSE	L	90NR02152	6/18/1982	8/4/1982	
07540.000040			51 WEST SENECA ST ADAMS-OLIVER-PARDEE HOUSE	L	90NR02152	6/18/1982	8/4/1982	
07540.000041			53 WEST SENECA ST SWITZ CONDE-SIGMA GAMMA FRATERNITY HOUSE	L	90NR02152	6/18/1982	8/4/1982	
07540.000042			60 WEST SENECA ST J DOWNEY RESIDENCE	L	90NR02152	6/18/1982	8/4/1982	
07540.000375	B		115 West Seventh St	N				
07540.000529	B		146 West Seventh St	I				
07540.000351			240 West Seventh St	U				
07540.000382	B		242 West Seventh St	N				
07540.000528	B		81 West Seventh St	I				
07540.000251			WEST SIXTH ST WRIGHT-COLE HOUSE WEST SIDE; AT SCHUYLER ST; SOUTH SIDE;					
07540.000189			11 WEST SIXTH ST (HAMM APTS)	L	01NR01754	3/31/2001	5/25/2001	
07540.000299			110 WEST SIXTH ST OSWEGO HOSPITAL	N				
07540.000526	B		147 West Sixth St	I				
07540.000190			15 WEST SIXTH ST NEAL HOUSE (BELDEN RES)	L	01NR01754	3/31/2001	5/25/2001	

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07540.000527	B		150 West Sixth St	I				
07540.000191			21 WEST SIXTH ST (CULLINAN BARN)					
07540.000352			235 West Sixth St	N				
07540.000192			33 WEST SIXTH ST STRAIGHT HOUSE (MACKIN RES)	L	01NR01754	3/31/2001	5/25/2001	
07540.000193			35 WEST SIXTH ST (HARROLD RESIDENCE)	L	01NR01754	3/31/2001	5/25/2001	
07540.000370	B		37 West Sixth St	L	01NR01754	3/31/2001	5/25/2001	
07540.000371	B		39 West Sixth St	L	01NR01754	3/31/2001	5/25/2001	
07540.000372	B		41 West Sixth St	L	01NR01754	3/31/2001	5/25/2001	
07540.000525	B		60 West Sixth St	I				
07540.000524	B		74 West Sixth St	I				
07540.000253			9 WEST SIXTH ST JAMES LONG HOUSE	L	01NR01754	3/31/2001	5/25/2001	
07540.000066			101 WEST THIRD ST SCOTT GILMORE HOUSE	L	90NR02152	6/18/1982	8/4/1982	
07540.000067			107 WEST THIRD ST (KINGSBURY)	L	90NR02152	6/18/1982	8/4/1982	
07540.000075			108 WEST THIRD ST CASEY-WARD (DAY HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000076			110 WEST THIRD ST CASEY-THOMPSON (POLAND HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000068			111 WEST THIRD ST FARRELL, NEDIA A (KINGSBURY RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000077			112 WEST THIRD ST (PENFIELD RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000069			113 WEST THIRD ST DRISCOLL-FARRELL (HOOPER HOUSE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000070			115 WEST THIRD ST (FRANKLIN OPTICAL CO)	L	90NR02152	6/18/1982	8/4/1982	
07540.000078			116 WEST THIRD ST (KOSIEWICZ RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	

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07540.000071			117 WEST THIRD ST (HARRINGTON RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000072			119 WEST THIRD ST L ANDERSON (ASH & REFUSE REMOVERS)	L	90NR02152	6/18/1982	8/4/1982	
07540.000493	B		143 West Third St Oswego Women's Club	I				
07540.000573	B		146 West Third St	N				
07540.000284	B		150 WEST THIRD ST, 150 WEST 3RD ST KINGSFORD HOUSE	L	97NR01221	7/10/1997	8/21/1997	
07540.000494	B		155 West Third St	D				
07540.000495	B		157 West Third St	D				
07540.000496	B		162 West Third St	D				
07540.000497	B		164 West Third St	D				
07540.000498	B		165 West Third St	D				
07540.000499	B		166-168 West Third St	D				
07540.000500	B		167 West Third St	D				
07540.000501	B		169 West Third St	D				
07540.000502	B		170 West Third St West Baptist Church	D				
07540.000570	B		309 West Third St, 309 West 3rd St	N				
07540.000503	B		330 West Third St	I				
07540.000504	B		333 West Third St	I				
07540.000384	B		358 West Third St	N				
07540.000318	B		359 WEST THIRD ST	N				
07540.000492	B		45 West Third St	I				

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07540.000073			48 WEST THIRD ST (LEIGHNINGER RESIDENCE)					
07540.000074			54-56 WEST THIRD ST ELIAS TROWBRIDGE HOUSE (GRANT-ALLEN HSE)					
07540.000373	B		58 West Third St	I				
07540.000357	B		63 West Third St	N				
07540.000350			64 West Third St					
07540.000059			77 WEST THIRD ST (BOWMAN RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000060			79 WEST THIRD ST (MCKEAN RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000061			81 WEST THIRD ST (FITZGERALD RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000062			85 WEST THIRD ST (SALVATION ARMY CITADEL)	L	90NR02152	6/18/1982	8/4/1982	
07540.000063			93 WEST THIRD ST (BRODER RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000064			95 WEST THIRD ST (CRISAFULLI APTS)	L	90NR02152	6/18/1982	8/4/1982	
07540.000065			97 WEST THIRD ST (SAVAGE JR. RESIDENCE)	L	90NR02152	6/18/1982	8/4/1982	
07540.000345	B		102 West Utica St					
07540.000356	B		107 West Utica St Crisafulli Post--ITAM Veterans	N				
07540.000534	B		22-26 West Utica St Oswego-Syracuse Railroad Freight House	I				
07540.000215			WEST VAN BUREN ST FORT GEORGE MONUMENT NORTH SIDE; LOT BETWEEN MONTCALM & WEST SIXTH STS					
07540.000216			WEST VAN BUREN ST FORT OSWEGO MONUMENT NORTH SIDE; AT FIRST ST					
07540.000019			107 WEST VAN BUREN ST BLEAK HOUSE SLOAN (HAWLEY HOUSE)	L	90NR02155	6/15/1988	8/11/1988	
07540.000217			32 WEST VAN BUREN ST GOLDEN HOUSE					
07540.000226			33 WEST VAN BUREN ST (FINN RES)					

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07540.000225			37 WEST VAN BUREN ST PATRICK CLOONAN HOUSE					
07540.000218			38 WEST VAN BUREN ST (BURNS RESIDENCE)					
07540.000227			39 WEST VAN BUREN ST JOHN CONNOLLY HOUSE					
07540.000219			40 WEST VAN BUREN ST (BUDD RESIDENCE)					
07540.000228			41 WEST VAN BUREN ST (SHELDON HOUSE)					
07540.000229			43 WEST VAN BUREN ST (DUNSMORE HOUSE)					
07540.000230			45 WEST VAN BUREN ST GRIGGS RESIDENCE					
07540.000231			47 WEST VAN BUREN ST ALFRED DONOVAN HOUSE					
07540.000220			48 WEST VAN BUREN ST BLIQUE HOUSE (JOYCE RESIDENCE)					
07540.000221			50 WEST VAN BUREN ST SPRAGUE RESIDENCE (LIEB RESIDENCE)					
07540.000232			53 WEST VAN BUREN ST (HALLOCK RESIDENCE)					
07540.000222			54 WEST VAN BUREN ST HENRY LEE HOUSE					
07540.000233			55 WEST VAN BUREN ST (CHAMBERLAIN RESIDENCE)					
07540.000234			57 WEST VAN BUREN ST (COYER RESIDENCE)					
07540.000235			67 WEST VAN BUREN ST WILKINSON HOUSE					
07540.000236			69 WEST VAN BUREN ST DRAPER HOUSE					
07540.000223			70 WEST VAN BUREN ST (THURSTON RES)					
07540.000224			80 WEST VAN BUREN ST MCWILLIAMS HOUSE	L	01NR01754	3/31/2001	5/25/2001	
07540.000237			89 WEST VAN BUREN ST (LEARY RES)	L	01NR01754	3/31/2001	5/25/2001	
07540.000238			91 WEST VAN BUREN ST (MILLER RES)	L	01NR01754	3/31/2001	5/25/2001	

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07540.000239			93 WEST VAN BUREN ST (HOURIGAN RES)					
07540.000240			95 WEST VAN BUREN ST (FORSYTH RES)					
07541.000009	A		UNASSIGNED NUMBER					
07541.000011	A		BONE HILL					
07541.000007	A		BURIAL MOUNDS					
07541.000021			CHANCELLOR; CANAL TUGBOAT OSWEGO RIVER	L	99NR01573	12/21/1999	2/18/2000	
07541.000008	A		INDIAN SETTLEMENT					
07541.000014	A		MILL COMPLEX					
07541.000015	A		OSWEGO CANAL					
07541.000010	A		OSWEGO FALLS FORT 1756					
07541.000013	A		PARKER #7					
07541.000012	A		PERKINS SEAL - RIGHT FACTORY SITE					
07541.000043	A		Oswego Mills Historic Site (SUBi-2786) NY 3 over Oswego River	U				
07541.000042	B		129 Cayuga St	N				
07541.000004			236 CAYUGA ST THAYER HOUSE					
07541.000023			706 EAST BROADWAY MOUNT ADNAH CEMETERY	L	01NR01736	12/13/2000	2/2/2001	
07541.000006			115 FIRST ST JOHN I WALRADT HOUSE					
07541.000022	B		205 OAK ST OAK STREET SCHOOL	L	02NR05042	1/21/2003	7/3/2003	
07541.000018	B		114 ONEIDA ST 31 EAST MAIN STREET	N				
07541.000037	B		201-203 Oneida St	N				

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07541.000044			226 Oneida St Dr. Charles Lee House	I	09NR05992			
07541.000039	B		511 Oneida St	N				
07541.000002			221 ROCHESTER ST GILBERT HOUSE					
07541.000001			115 SOUTH FIRST ST DEWITT W GARDNER HOUSE					
07541.000020			160 SOUTH FIRST ST FULTON PUBLIC LIBRARY	L	98NR01417	12/7/1998	1/15/1999	
07541.000005			177 SOUTH FIRST ST PRATT HOUSE	L	99NR01529	9/22/1999	12/10/1999	
07541.000016			214 SOUTH FIRST ST US POST OFFICE	L	90NR02156	5/11/1989	5/11/1989	
07541.000019			314 SOUTH FIRST ST EAST BROADWAY SEALRIGHT BUILDING					
07541.000040			34 South First St Brickhouse Tavern					
07541.000045	B		25-27 South Second St	N				
07541.000017			SOUTH SEVENTH ST JAMES R. FAIRGRIEVE SCHOOL FULTON, OSWEGO COUNTY	N				
07541.000041	B		8 South Third St 2-st, four square res c1900	N				
07541.000024	B		109 West Broadway	D				
07541.000025	B		111 West Broadway	D				
07541.000026	B		113 West Broadway	D				
07541.000035	B		114 West Broadway	D				
07541.000027	B		115 West Broadway	D				
07541.000034	B		116 West Broadway	D				
07541.000028	B		117-19 West Broadway	D				
07541.000033	B		118 West Broadway	D				

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07541.000032	B		120 West Broadway	D				
07541.000029	B		121 West Broadway	D				
07541.000030	B		123 West Broadway	D				
07541.000031	B		125 West Broadway	D				
07541.000036	B		223 West Broadway	I				
07541.000038	B		715 West Broadway					
07541.000003			WEST RIVER RD ARTHUR HAYES FARM WEST SIDE					
07542.000005	B		437 CENTERVILLE RD	N				
07542.000002	B		1157 COUNTY ROUTE 30 BARBER HOUSE NEAR RICARD ROAD	N				
07542.000004	B		28 MILL ST	N				
07542.000001	A		NY 13 BROWN'S CAMPGROUND PREHISTORIC SITE NORTH SIDE; EAST OF OLD RR GRADE					
07542.000003	B		268 SOUTH ALBION RD TRUMBLE HOUSE	N				
07543.000006			RAILROAD ST ONTARIO & WESTERN RAILROAD STATION	I				
07543.000003	B		RTE 11 BUILDING A (DOT PIN #3043.33.121) WEST SIDE; NORTH OF CONRAIL CROSSING	N				
07543.000004	B		RTE 11 BUILDING J (DOT PIN #3043.33.121) EAST SIDE; NORTH OF CONRAIL CROSSING	N				
07543.000005	B		RTE 11 BUILDING L (DOT PIN #3043.33.121) EAST SIDE; 3RD BUILDING NORTH OF CONRAIL CROSSING	N				
07543.000001			RTE 49 ELLIOTT-BIRRELL HOUSE SOUTH SIDE; JUST WEST OF RTE 11 AT MALLORY RD & CONSTANTIA RD					
07543.000007	B		637 South Main St Central Square Library	N				

07543.000002	S	US 11 HILLSIDE CEMETERY EAST SIDE; ABOUT 1/2 MI NORTH OF NY 49	U
07544.000002	B	14 Katherine St	N

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07544.000001			NORTH ST ST. JAMES' EPISCOPAL CHURCH	L	96NR01017	7/10/1996	8/30/1996	
07545.000002			AUBURN ST HOUSE WEST SIDE; 1.5 MI SOUTH FROM NY 3					
07545.000003	B		953 Auburn St Fairley Elementary School (1956, 2002) Hannibal CSD	N				
07545.000005	B		928 Cayuga St Hannibal High School (1923)					
07545.000001			OSWEGO ST COMMUNITY HOUSE HANNIBAL: WEST SIDE					
07545.000004	B		162 Oswego St Hannibal Community Center & Library	N				
07546.000008			CENTER RD WOODRUFF HOMESTEAD NORTH SIDE; MIDWAY BETWEEN NELLIS & SNYDER RDS					
07546.000005			9089 CHURCH ST CHARLES SALISBURY HOUSE	L	90NR02161	9/29/1988	11/15/1988	
07546.000001			HARWOOD DR LACONA CLOCK TOWER	L	90NR02160	9/29/1988	11/15/1988	
07546.000002			HARWOOD DR SMITH H BARLOW HOUSE	L	90NR02157	9/29/1988	11/15/1988	
07546.000007			HARWOOD DR RIDGE RD NEWMAN TUTTLE HOUSE AT RIDGE RD	L	90NR02163	9/29/1988	11/15/1988	
07546.000003			HARWOOD DR SALINA ST FIRST NATIONAL BANK OF LACONA AT SALINA ST	L	90NR02158	9/29/1988	11/15/1988	
07546.000009	B		11 PARK AVE LACONA RAILROAD STATION	L	01NR01830	9/21/2001	1/24/2002	
07546.000006			RIDGE RD CR 22 MATTHEW SHOECROFT HOUSE AT SMARTVILLE RD	L	90NR02162	9/29/1988	11/15/1988	
07546.000004			SALINA ST FRED SMART HOUSE	L	90NR02159	9/29/1988	11/15/1988	
07547.000016			UNASSIGNED					
07547.000021			UNASSIGNED					

07547.000028	UNASSIGNED	I
07547.000033	UNASSIGNED	
07547.000074	UNASSIGNED	

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07547.000058			UNASSIGNED					
07547.000061			UNASSIGNED					
07547.000015			UNASSIGNED					
07547.000017			UNASSIGNED					
07547.000020			UNASSIGNED					
07547.000026			UNASSIGNED					
07547.000029			UNASSIGNED					
07547.000043			UNASSIGNED	L				
07547.000024			UNASSIGNED					
07547.000025			UNASSIGNED					
07547.000030			UNASSIGNED					
07547.000031			UNASSIGNED					
07547.000048			UNASSIGNED					
07547.000032			UNASSIGNED NUMBER					
07547.000005	A		ANIMAL POKE FACTORY SITE (GUSTIN-EARLE FACTORY)					
07547.000007	A		FOUNDATION & RUINS					
07547.000014			MEXICO HISTORIC DISTRICT	L	91NR00017	12/28/1990	6/20/1991	
07547.000006	A		TOAD HOLLOW HISTORIC INDUSTRIAL DISTRICT					
07547.000138	B		23 Academy St Mexico Elementary School	N				
07547.000063			CHURCH ST HUNTINGTON HOUSE EAST SIDE; SOUTH OF SPRING ST					

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07547.000065			CHURCH ST RESIDENCE EAST SIDE; SOUTH OF SPRING ST					
07547.000062			CHURCH ST RESIDENCE EAST SIDE; SOUTH OF SPRING ST					
07547.000066			5246 CHURCH ST RESIDENCE					
07547.000067			5247 CHURCH ST RESIDENCE					
07547.000068			5251 CHURCH ST RESIDENCE					
07547.000069			5255 CHURCH ST RESIDENCE					
07547.000064			5258 CHURCH ST RESIDENCE					
07547.000071			5263 CHURCH ST RESIDENCE					
07547.000072			5267 CHURCH ST RESIDENCE					
07547.000073			5271 CHURCH ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000101			5275 CHURCH ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000097			5276 CHURCH ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000075			5277 CHURCH ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000100			5283 CHURCH ST	L	91NR00017	12/28/1990	6/20/1991	
07547.000060			5284 CHURCH ST WARREN ALLEN HOUSE	L	91NR00017	12/28/1990	6/20/1991	
07547.000076			5285 CHURCH ST FIRST PRESBYTERIAN CHURCH WEST SIDE; AT SPRING ST; SOUTH SIDE	L	91NR00017	12/28/1990	6/20/1991	
07547.000044			5293 CHURCH ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000049			5294 CHURCH ST W GASS RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000070			5295 CHURCH ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000099			5297 CHURCH ST FIRST BAPTIST CHURCH	L	91NR00017	12/28/1990	6/20/1991	

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07547.000042			5305 CHURCH ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000095			5306 CHURCH ST FIRST METHODIST CHURCH	L	91NR00017	12/28/1990	6/20/1991	
07547.000041			5309 CHURCH ST WHITNEY HOUSE	L	91NR00017	12/28/1990	6/20/1991	
07547.000047			5310 CHURCH ST GEORGE H WILSON HOUSE	L	91NR00017	12/28/1990	6/20/1991	
07547.000040			5313 CHURCH ST HOYT HOUSE	L	91NR00017	12/28/1990	6/20/1991	
07547.000046			5314 CHURCH ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000039			5317 CHURCH ST GRACE EPISCOPAL CHURCH WEST SIDE; AT MAIN ST; SOUTH SIDE	L	91NR00017	12/28/1990	6/20/1991	
07547.000045			5318 CHURCH ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000124			HAMILTON ST MONSON FARM BARN VILLAGE OF MEXICO	N				
07547.000013			5644 HAMILTON ST NY 3 HAMILTON HOUSE AT SCENIC AVE	L	91NR00026	9/26/1991	11/14/1991	
07547.000022			MAIN ST (FASHION FLOORS) NORTH SIDE; EAST OF JEFFERSON ST					
07547.000034			MAIN ST (GIOVO'S SPORTING GOODS) NORTH SIDE; WEST OF CHURCH ST					
07547.000036			MAIN ST AMES BANK NORTH SIDE; OPPOSITE CHURCH ST					
07547.000018			MAIN ST FIRE DEPARTMENT NORTH SIDE; WEST OF JEFFERSON ST					
07547.000038			MAIN ST OLD TOWN HALL SOUTH SIDE; EAST OF CHURCH ST					
07547.000001			MAIN ST ROBINSON-ADAMS HOUSE					
			MAIN ST STARR CLARK'S TIN SHOP					

07547.000037		AND RESIDENCE NORTH SIDE; EAST OF CHURCH ST	L	01NR01873	9/19/2001	12/4/2001
07547.000141	B	3201 Main st	I	09NR05975		
07547.000135	B	3267 Main St Mexico Public Library				
07547.000140	B	3273 Main St Roach Holdings	U			

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07547.000139	B		3277-81 Main St Peters Properties	U				
07547.000136			3339 MAIN ST ORSON AMES HOUSE	L	01NR01862	9/19/2001	12/4/2001	
07547.000077			5805 MAIN ST MEXICO HIGH SCHOOL NORTH SIDE; OPPOSITE WAYNE ST	L	91NR00025	8/16/1991	11/14/1991	
07547.000104			5853 MAIN ST BECK'S HOTEL	L	91NR00017	12/28/1990	6/20/1991	
07547.000105			5857 MAIN ST CIRCLE OF MEXICO	L	91NR00017	12/28/1990	6/20/1991	
07547.000106			5861 MAIN ST LA DEUCEUR BLDG	L	91NR00017	12/28/1990	6/20/1991	
07547.000107			5865 MAIN ST HOWELL BLDG	L	91NR00017	12/28/1990	6/20/1991	
07547.000108			5867 MAIN ST RICKARD HOUSE	L	91NR00017	12/28/1990	6/20/1991	
07547.000109			5869 MAIN ST DRIGGS HOUSE	L	91NR00017	12/28/1990	6/20/1991	
07547.000122			5873 MAIN ST MEXICO FIRE DEPT (NON-CONTRIBUTING)	L	91NR00017	12/28/1990	6/20/1991	
07547.000113			5876-5878 MAIN ST COMMERCIAL	L	91NR00017	12/28/1990	6/20/1991	
07547.000110			5877 MAIN ST MEXICO SPORTS CENTER	L	91NR00017	12/28/1990	6/20/1991	
07547.000111			5879 MAIN ST WEBB BLOCK	L	91NR00017	12/28/1990	6/20/1991	
07547.000114			5880 MAIN ST BENSCH BLOCK	L	91NR00017	12/28/1990	6/20/1991	
07547.000112			5881-5883 MAIN ST COMMERCIAL	L	91NR00017	12/28/1990	6/20/1991	
07547.000115			5882-588 MAIN ST, 3273 Main St CRANDALL PHARMACY	L	91NR00017	12/28/1990	6/20/1991	
07547.000116	B		5886 MAIN ST Mexico Library	L	91NR00017	12/28/1990	6/20/1991	
07547.000117			5888 MAIN ST VILLAGE OFFICE	L	91NR00017	12/28/1990	6/20/1991	
07547.000118			5890-5892 MAIN ST RAMSEY'S	L	91NR00017	12/28/1990	6/20/1991	
07547.000119			5894 MAIN ST NAPA AUTO PARTS	L	91NR00017	12/28/1990	6/20/1991	

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07547.000120			5896 MAIN ST JACK'S TAVERN	L	91NR00017	12/28/1990	6/20/1991	
07547.000035			5897 MAIN ST PETER CHANDLER HOUSE NORTH SIDE; OPPOSITE CHURCH ST	L	91NR00030	8/16/1991	11/14/1991	
07547.000121			5898 MAIN ST BUTLER BLDG	L	91NR00017	12/28/1990	6/20/1991	
07547.000080			6022 MAIN ST FOWLER-LOOMIS HOUSE	L	91NR00020	8/16/1991	11/14/1991	
07547.000009			5364 NORTH JEFFERSON ST RADWAY HOUSE					
07547.000011			5422 NORTH RD DAVIS HOUSE	L	91NR00022	12/28/1990	6/20/1991	
07547.000131	S		NY 3 BIN 1000330 OVER LITTLE SALMON RIVER					
07547.000134	B		NY 3 CC BROWN RESIDENCE WEST SIDE; 100 YDS SOUTH OF LITTLE SALMON RIVER					
07547.000132	B		5813 NY 3					
07547.000133	B		5814 NY 3	N				
07547.000008			5355 SCENIC AVE NY 3 TIMOTHY SKINNER HOUSE WEST SIDE; NEAR RTE 104	L	91NR00021	12/28/1990	6/20/1991	
07547.000081			5530 SCENIC AVE MEXICO RAILROAD STATION	L	91NR00024	12/28/1990	6/20/1991	
07547.000087			5294 SOUTH JEFFERSON ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000086			5300 SOUTH JEFFERSON ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000091			5301 SOUTH JEFFERSON ST PRESBYTERIAN MANSE	L	91NR00017	12/28/1990	6/20/1991	
07547.000010			5303 SOUTH JEFFERSON ST BECKER HOUSE	L	91NR00017	12/28/1990	6/20/1991	
07547.000085			5304 SOUTH JEFFERSON ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000084			5308 SOUTH JEFFERSON ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000090			5309 SOUTH JEFFERSON ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000089			5313 SOUTH JEFFERSON ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	

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07547.000083			5314 SOUTH JEFFERSON ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000088			5319 SOUTH JEFFERSON ST MEXICO MUSEUM	L	91NR00017	12/28/1990	6/20/1991	
07547.000082			5320 SOUTH JEFFERSON ST TOWN OFFICE	L	91NR00017	12/28/1990	6/20/1991	
07547.000059			SPRING ST RESIDENCE SOUTH SIDE; EAST OF CHURCH ST					
07547.000137	B		100 Spring St Oswego Co Dept of Social Services Bldg	N				
07547.000103			5884 SPRING ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000050			5907 SPRING ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000051			5913 SPRING ST BENJAMIN STONE HOUSE	L	91NR00017	12/28/1990	6/20/1991	
07547.000123			5914 SPRING ST NON-CONTRIBUTING RESIDENCE\	L	91NR00017	12/28/1990	6/20/1991	
07547.000052			5919 SPRING ST GEORGE W STONE HOUSE	L	91NR00017	12/28/1990	6/20/1991	
07547.000102			5920 SPRING ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000053			5925 SPRING ST STONE FAMILY HOUSE (SADE HOUSE)	L	91NR00017	12/28/1990	6/20/1991	
07547.000057			5926 SPRING ST WEBB/HOLLISTER HOUSE	L	91NR00017	12/28/1990	6/20/1991	
07547.000054			5927 SPRING ST RESIDENCE	L	91NR00017	12/28/1990	6/20/1991	
07547.000056			5928 SPRING ST PARSONAGE	L	91NR00017	12/28/1990	6/20/1991	
07547.000055			5936 SPRING ST GD BABCOCK HOUSE	L	91NR00017	12/28/1990	6/20/1991	
07547.000125	A		US 104 MILL COMPLEX SITE 16					
07547.000126	A		US 104 MILL COMPLEX SITE 17 (STATE MILLS)					
07547.000127	A		US 104 MILL COMPLEX SITE 20 (TORONTO MILL)					
07547.000128	A		US 104 MILL COMPLEX SITE 21 (CARRIAGE MANUFACTORY)					

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07547.000129	A		US 104 MILL COMPLEX SITE 22 (CARRIAGE MANUFACTORY)					
07547.000130	A		US 104 SITE 30 (TAVERN)					
07547.000003			WEST MAIN ST SHIBAL & LUCINDA ALFRED HOUSE SOUTH SIDE; WEST OF INTERSECTION RTE 64					
07547.000012			5707 WEST MAIN ST NY 104 LEONARD AMES HOUSE	L	91NR00028	8/16/1991	11/14/1991	
07548.000003	A		EMMETT LEWIS DRUGSTORE - SITE 3					
07548.000001	A		LEDDINGTON AND OWEN'S GROCERY STORE, SITE 1					
07548.000006	A		MILLER PLANERY MILL - SITE 6 NORTH OF W. MAIN ST; SOUTH OF SALMON RIVER					
07548.000007	A		THE CARLEY HOUSE & ROBINSON NATURAL GAS PLANT SITE, SITE 7					
07548.000009	A		THE CIGAR FACTORY & THE SCRIBES GROCERY STORE, SITE 9					
07548.000010	A		THE GILISPIE FARM - SITE 10					
07548.000008	A		THE MOWRY BLACKSMITH SH OP OR GARDENER HOUSE, SITE 8					
07548.000004	A		THE SIMPLOT TANNERY AND CRANDALL TYPEWRITER FACTORY, SITE 4					
07548.000002	A		THE SNELL HOTEL - SITE 2					
07548.000005	A		THE WILLIAM HARTER SR FUNERAL HOME, SITE 5					
07548.000109	A		104 South Railroad Street Historic Site (SUBi-2719, NYSM 11753) North side of South Railroad	U				

		Street (NY 69A)	
07548.000110	A	2984 Main Street I Historic Site (SUBi 2817, NYSM 12172) 2984 Main Street	U
07548.000111	A	2984 Main Street II Historic Site (SUBi 2818, NYSM 12171) 2984 Main Street	N
07548.000105	A	Commercial Hotel Site (SUBi-2715, NYSM 11748) West of intersection of Main St (NY 69) and Church Street	U
07548.000107	A	J. Spencer Historic Site (SUBi-2717, NYSM 11752) Intersection of Church Street and South Railroad Street	U
07548.000102	A	Miller Lumber Site (SUBI 2334) NY 69A	U

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USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07548.000106	A		Parish Church Historic Site (SUBi-2716, NYSM 11751) Near intersection of Main Street (NY 69) and South Railroad Street	U				
07548.000104	A		Parish Library Site (SUBi 2713, NYSM 11750) 3 Church Street	N				
07548.000108	A		Parish Post Office Historic Site (SUBi-2718, NYSM 11754) South of intersection of Main St (NY 69) and South Railroad Street (NY 69A)	U				
07548.000011	B		3 Church St Parish Public Library	I				
07548.000012	B		2863 Main St, 2863 NY 69	N				
07548.000013	B		2865 Main St, 2865 NY 69	N				
07548.000014	B		2869 Main St, 2869 NY 69	N				
07548.000015	B		2877 Main St, 2877 NY 69	N				
07548.000016	B		2883 Main St, 2883 NY 69	N				
07548.000089	B		2884 Main St, 2884 NY 69	N				
07548.000017	B		2885 Main St, 2885 NY 69	N				
07548.000018	B		2891 Main St, 2891 NY 69	I				
07548.000088	B		2896 Main St, 2896 NY 69	N				
07548.000087	B		2898 Main St, 2898 NY 69	N				
07548.000086	B		2902 Main St, 2902 NY 69	N				
07548.000085	B		2904 Main St, 2904 NY 69	N				
07548.000084	B		2908 Main St, 2908 NY 69	N				
07548.000083	B		2910 Main St, 2910 NY 69	N				
07548.000082	B		2912 Main St, 2912 NY 69	N				
07548.000081	B		2914 Main St, 2914 NY 69	N				

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07548.000080	B		2916 Main St, 2916 NY 69	N				
07548.000019	B		2919 Main St, 2919 NY 69	N				
07548.000079	B		2920 Main St, 2920 NY 69	N				
07548.000020	B		2921 Main St, 2921 NY 69	N				
07548.000078	B		2922 Main St, 2922 NY 69	N				
07548.000021	B		2925 Main St, 2925 NY 69	N				
07548.000077	B		2926 Main St, 2926 NY 69	N				
07548.000022	B		2927 Main St, 2927 NY 69	N				
07548.000076	B		2928 Main St, 2928 NY 69	N				
07548.000023	B		2931 Main St, 2931 NY 69	N				
07548.000075	B		2932 Main St, 2932 NY 69	N				
07548.000024	B		2935 Main St, 2935 NY 69	I				
07548.000074	B		2936 Main St, 2936 NY 69	N				
07548.000025	B		2937 Main St, 2937 NY 69	N				
07548.000073	B		2938 Main St, 2938 NY 69	I				
07548.000026	B		2939 Main St, 2939 NY 69	N				
07548.000072	B		2940 Main St, 2940 NY 69 Masonic Lodge	I				
07548.000071	B		2942 Main St, 2942 NY 69	N				
07548.000027	B		2943 Main St, 2943 NY 69	I				
07548.000070	B		2950 Main St, 2950 NY 69	N				

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07548.000069	B		2958 Main St, 2958 NY 69	N				
07548.000068	B		2960 Main St, 2960 NY 69	N				
07548.000028	B		2961 Main St, 2961 NY 69	N				
07548.000067	B		2962 Main St, 2962 NY 69	I				
07548.000029	B		2963 Main St, 2963 NY 69	N				
07548.000030	B		2965 Main St, 2965 NY 69	N				
07548.000066	B		2966 Main St, 2966 NY 69	N				
07548.000031	B		2969 Main St, 2969 NY 69	N				
07548.000065	B		2970-72 Main St, 2970-72 NY 69	N				
07548.000064	B		2974 Main St, 2974 NY 69	I				
07548.000032	B		2975 Main St, 2975 NY 69	N				
07548.000063	B		2976 Main St, 2976 NY 69	N				
07548.000062	B		2978 Main St, 2978 NY 69	N				
07548.000033	B		2979 Main St, 2979 NY 69	N				
07548.000034	B		2983 Main St, 2983 NY 69	N				
07548.000061	B		2984 Main St, 2984 NY 69	N				
07548.000035	B		2985 Main St, 2985 NY 69	N				
07548.000060	B		2986 Main St, 2986 NY 69	N				
07548.000036	B		2987 Main St, 2987 NY 69	N				
07548.000059	B		2988 Main St, 2988 NY 69	N				

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07548.000037	B		2989 Main St, 2989 NY 69	I				
07548.000038	B		2991 Main St, 2991 NY 69	N				
07548.000058	B		2992 Main St, 2992 NY 69	N				
07548.000057	B		2994 Main St, 2994 NY 69	N				
07548.000039	B		2995 Main St, 2995 NY 69	N				
07548.000055	B		3000 Main St, 3000 NY 69	N				
07548.000056	B		3002 Main St, 3002 NY 69	N				
07548.000040	B		3003 Main St, 3003 NY 69	N				
07548.000041	B		3007 Main St, 3007 NY 69	N				
07548.000042	B		3009 Main St, 3009 NY 69	I				
07548.000043	B		3011 Main St, 3011 NY 69	N				
07548.000044	B		3019 Main St, 3019 NY 69	N				
07548.000045	B		3023 Main St, 3023 NY 69	N				
07548.000046	B		3027 Main St, 3027 NY 69	N				
07548.000054	B		3032 Main St, 3032 NY 69	N				
07548.000047	B		3033 Main St, 3033 NY 69	N				
07548.000053	B		3034 Main St, 3034 NY 69	N				
07548.000048	B		3035 Main St, 3035 NY 69	N				
07548.000052	B		3036 Main St, 3036 NY 69	N				
07548.000049	B		3047 Main St, 3047 NY 69	N				

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07548.000050	B		3059 Main St, 3059 NY 69	N				
07548.000051	B		3072 Main St, 3072 NY 69	N				
07548.000090	B		327 Railroad St, 327 NY 69A	N				
07548.000091	B		338 Railroad St, 338 NY 69A	N				
07548.000092	B		342 Railroad St, 342 NY 69A	N				
07548.000093	B		347 Railroad St, 347 NY 69A	N				
07548.000094	B		348 Railroad St, 348 NY 69A	N				
07548.000095	B		349 Railroad St, 349 NY 69A	N				
07548.000096	B		350 Railroad St, 350 NY 69A	N				
07548.000097	B		352 Railroad St, 352 NY 69A	N				
07548.000098	B		353 Railroad St, 353 NY 69A	N				
07548.000099	B		354 Railroad St, 354 NY 69A	N				
07548.000100	B		355 Railroad St, 355 NY 69A	N				
07548.000101	B		4171 Railroad St, 4171 NY 69A	I				
07548.000103	B		828 Rider St	N				
07549.000017	B		28 Cherry St	I				
07549.000006			25 CHURCH ST NORTHRUP-GILBERT HOUSE	L	99NR01572	12/21/1999	2/4/2000	
07549.000022	B		17 Culvert St	N				
07549.000001	B		264 EAST SIDE ELMANSON CHESBRO RESIDENCE NORTH OF PHOENIX VILLAGE LINE	I				
07549.000015			ELM ST ELM STREET ELEMENTARY SCHOOL	N				

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07549.000018	B		139 Lock St	N				
07549.000003			670 MAIN ST ST. JOHN'S EPISCOPAL CHURCH	L	93NR00458	4/20/1993	5/27/1993	
07549.000002			821 MAIN ST SWEET MEMORIAL BUILDING	L	90NR03146		4/26/1990	
07549.000005	B		NY 57 FARMSTEAD MILE 152.5	I				
07549.000016			69 SPRING ST	N				
07549.000004			1120 STATE ST					
07549.000019	B		69 State St	N				
07549.000020	B		71 State St	N				
07549.000021	B		86 State St	I				
07549.000008			109 VOLNEY ST	N				
07549.000009			115 VOLNEY ST	N				
07549.000010			121 VOLNEY ST	N				
07549.000011			123 VOLNEY ST	N				
07549.000012			127 VOLNEY ST	N				
07549.000013			136 VOLNEY ST	N				
07549.000014			140 VOLNEY ST					
07549.000007			400 VOLNEY ST EJ DILLON JR HI SCHOOL	N				
07550.000059	A		FORMER OIL MILL SITE	U				
07550.000060	A		FORMER SASH AND BLIND FACTORY SITE	U				
07550.000007			SOUTH JEFFERSON ST HISTORIC DISTRICT					

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07550.000040			BRIDGE ST CT HOUSE SQUARE SOUTH SIDE; BETWEEN BROAD & JEFFERSON STS	L	90NR02164	7/21/1983	9/8/1983	
07550.000041			BRIDGE ST DR JOHN ABBOTT HOUSE SOUTHWEST SIDE; EAST OF JEFFERSON ST	L	90NR02164	7/21/1983	9/8/1983	
07550.000030			7420 BRIDGE ST BAPTIST CHURCH	L	90NR02164	7/21/1983	9/8/1983	
07550.000001			7426 BRIDGE ST OSWEGO COUNTY COURTHOUSE	L	90NR02164	7/21/1983	9/8/1983	
07550.000052			BROAD ST RINGGOLD FIRE DEPARTMENT WEST SIDE; AT LAKE ST; NORTH SIDE					
07550.000010			7555 BROAD ST DON A KING HOUSE	L	90NR02164	7/21/1983	9/8/1983	
07550.000053			7576 BROAD ST OLD FIRE HALL	L	90NR02164	7/21/1983	9/8/1983	
07550.000054			7578 BROAD ST JORDAL'S GARAGE	L	90NR02164	7/21/1983	9/8/1983	
07550.000055			7580 BROAD ST MASONIC TEMPLE	L	90NR02164	7/21/1983	9/8/1983	
07550.000056			7441 HUBBLE ST METHODIST CHURCH PARSONAGE	L	90NR02164	7/21/1983	9/8/1983	
07550.000057			7455 HUBBLE ST UNITED METHODIST CHURCH	L	90NR02164	7/21/1983	9/8/1983	
07550.000008			7399 JAMES ST CHICKEN COUP					
07550.000036			JEFFERSON ST DR JOHN ABBOT EXTENSION EAST SIDE; SOUTH OF BRIDGE ST	L	90NR02164	7/21/1983	9/8/1983	
07550.000033			JEFFERSON ST SOUTH PARK WEST SIDE; BETWEEN LAKE, BRIDGE AND BROAD STS	L	90NR02164	7/21/1983	9/8/1983	
07550.000003			JEFFERSON ST SYRACUSE NORTHERN RR BRIDGE WEST SIDE; ADJACENT TO JEFFERSON ST BRIDGE					
07550.000047			JEFFERSON ST WASHINGTON PARK WEST SIDE; BETWEEN PARK, BROAD & HUBBLE STS	L	90NR02164	7/21/1983	9/8/1983	
			4882 Jefferson St					

07550.000016	B	(People's National Bank, was 7585 Jefferson)	L	90NR02164	7/21/1983	9/8/1983
07550.000048		7532 JEFFERSON ST (HELLINGER RESIDENCE)	L	90NR02164	7/21/1983	9/8/1983
07550.000002		7534 JEFFERSON ST BRIDGE ST CHARLES CROSS LAND OFFICE	L	90NR02164	7/21/1983	9/8/1983
07550.000017		7540 JEFFERSON ST COMMERCIAL BUILDING AT BRIDGE ST	L	90NR02164	7/21/1983	9/8/1983

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USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07550.000037			7544-754 JEFFERSON ST, 4838 North Jefferson St EARL'S RESTAURANT	L	90NR02164	7/21/1983	9/8/1983	
07550.000018			7546 JEFFERSON ST (MR SUB & EARLS)	L	90NR02164	7/21/1983	9/8/1983	
07550.000051			7549 JEFFERSON ST FITZGIBBONS-SINDONI-FEENEY INC.	L	90NR02164	7/21/1983	9/8/1983	
07550.000019			7552 JEFFERSON ST (KALLET MOVIE THEATRE)	L	90NR02164	7/21/1983	9/8/1983	
07550.000012			7555 JEFFERSON ST (SEWING CENTER & HOWARDS/SALMON RIVER NEWS)	L	90NR02164	7/21/1983	9/8/1983	
07550.000020			7556 JEFFERSON ST (KINNEY DRUGS 1)	L	90NR02164	7/21/1983	9/8/1983	
07550.000021			7556 JEFFERSON ST (KINNEY DRUGS 2)	L	90NR02164	7/21/1983	9/8/1983	
07550.000011			7557 JEFFERSON ST FRANKLIN BUILDING (HARRIS CLOTHING)	L	90NR02164	7/21/1983	9/8/1983	
07550.000022			7558 JEFFERSON ST (MONTGOMERY WARDS)	L	90NR02164	7/21/1983	9/8/1983	
07550.000034			7559 JEFFERSON ST MECHAM & DAVIS BLDG	L	90NR02164	7/21/1983	9/8/1983	
07550.000013			7561 JEFFERSON ST (PETRIES BAKERY AND TRASH & TREASURE)	L	90NR02164	7/21/1983	9/8/1983	
07550.000023			7562 JEFFERSON ST HILTON BLDG (WESTERN AUTO)	L	90NR02164	7/21/1983	9/8/1983	
07550.000014			7565-7569 JEFFERSON ST (TINY TOWN/PICTURE FRAME/FAHNESTOCK'S FABRICS/BYRNE DAIRY)	L	90NR02164	7/21/1983	9/8/1983	
07550.000024			7566 JEFFERSON ST LINCOLN FIRST BANK BUILDING	L	90NR02164	7/21/1983	9/8/1983	
07550.000025			7570 JEFFERSON ST, 4860 North Jefferson St (KRUPKE'S LOUNGE)	L	90NR02164	7/21/1983	9/8/1983	
07550.000026			7572 JEFFERSON ST (PACIFIC SHOE SHOP/SEARS/T-SHIRT SHOP)	L	90NR02164	7/21/1983	9/8/1983	
07550.000035			7573 JEFFERSON ST (BYRNE DAIRY)	L	90NR02164	7/21/1983	9/8/1983	
07550.000038			7576 JEFFERSON ST SEARS	L	90NR02164	7/21/1983	9/8/1983	
07550.000015			7577 JEFFERSON ST OSWEGO COUNTY SAVINGS BANK	L	90NR02164	7/21/1983	9/8/1983	

07550.000039	7578 JEFFERSON ST (KENDALL'S NOVEL-TEE-SHOP)	L	90NR02164	7/21/1983	9/8/1983

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USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07550.000027			7580 JEFFERSON ST (VILLAGE INN YARN SHOPPE)	L	90NR02164	7/21/1983	9/8/1983	
07550.000028			7582 JEFFERSON ST (TED'S GIFTS)	L	90NR02164	7/21/1983	9/8/1983	
07550.000029			7584 JEFFERSON ST (PULASKI DEPARTMENT STORE)	L	90NR02164	7/21/1983	9/8/1983	
07550.000049			7586 JEFFERSON ST MEXICO MOTOR CAR CO BLDG	L	90NR02164	7/21/1983	9/8/1983	
07550.000050			7590 JEFFERSON ST, 4890 North Jefferson st PULASKI DEMOCRAT BUILDING Now 4890 North Jefferson St	L	90NR02164	7/21/1983	9/8/1983	
07550.000046			7593 JEFFERSON ST DR HENRY W CALDWELL HOUSE	L	90NR02164	7/21/1983	9/8/1983	
07550.000005			7686 JEFFERSON ST RLINGERSOLL HOUSE (SEQUOIA INN)					
07550.000004			LAKE ST CONGREGATIONAL CHURCH SOUTH SIDE; AT CHURCH ST; WEST SIDE					
07550.000061			7319 Lake St Lura Sharp Elementary School					
07550.000032			7412 LAKE ST JAMES A CLARK HOUSE	L	90NR02164	7/21/1983	9/8/1983	
07550.000042			7413 LAKE ST FRANK S LOW HOUSE	L	90NR02164	7/21/1983	9/8/1983	
07550.000043			7431 LAKE ST SAMPSON'S BARBERSHOP	L	90NR02164	7/21/1983	9/8/1983	
07550.000044			7435 LAKE ST TREY BUILDING	L	90NR02164	7/21/1983	9/8/1983	
07550.000045			7437 LAKE ST MUZZY BUILDING (NATIONWIDE INSURANCE)	L	90NR02164	7/21/1983	9/8/1983	
07550.000058	B		7543 MAPLE AVE DWL	U				
07550.000031			7561 NORTH ST CONTINENTAL TELEPHONE WEST SIDE; BETWEEN BRIDGE AND LAKE STS	L	90NR02164	7/21/1983	9/8/1983	
07550.000006			SALINA ST WOODLAWN (RTE 11); WEST SIDE	I				
07550.000062	B		4822 Salina St	N				
07551.000016			9139 EAST FIRST ST					

07551.000040 13 EAST MAIN ST

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USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07551.000037			4 EAST MAIN ST					
07551.000038			8 EAST MAIN ST					
07551.000039			9 EAST MAIN ST					
07551.000002			HARWOOD DR FIRST BAPTIST CHURCH NORTH SIDE; EAST OF RTE 81	L	90NR02165	9/29/1988	11/15/1988	
07551.000005			HARWOOD DR METHODIST CHURCH	L	90NR02166	9/29/1988	11/15/1988	
07551.000044	B		1992 Harwood Dr Sandy Creek Town Hall	N				
07551.000041			2044 HARWOOD DR					
07551.000042			2065 HARWOOD DR					
07551.000003			8008 HARWOOD DR (MARTIN APTS)					
07551.000007			8071 HARWOOD DR NORTH MAIN ST WILLIAM COTTRELL HOUSE	L	90NR02169	9/29/1988	11/15/1988	
07551.000012			8073 HARWOOD DR ELIZABETH MCKEE BUILDING	L	90NR02169	9/29/1988	11/15/1988	
07551.000010			8079 HARWOOD DR OTIS/KENYON BLOCK	L	90NR02169	9/29/1988	11/15/1988	
07551.000010			8079 HARWOOD DR OTIS/KENYON BLOCK	L	90NR02169	9/29/1988	11/15/1988	
07551.000011			8080 HARWOOD DR HORACE SCRIPTURE HOUSE	L	90NR02169	9/29/1988	11/15/1988	
07551.000004			8084 HARWOOD DR FIRST ST JULIUS ROBBINS HOUSE SOUTH SIDE; WEST OF FIRST ST	L	90NR02169	9/29/1988	11/15/1988	
07551.000008			8085 HARWOOD DR CAPTAIN JAMES THOMPSON BLOCK	L	90NR02169	9/29/1988	11/15/1988	
07551.000009			8087 HARWOOD DR CAPTAIN JAMES THOMPSON HOUSE	L	90NR02169	9/29/1988	11/15/1988	
07551.000001			8114 HARWOOD DR HOWLETT-NEWTON-CHAMBERLAIN HOUSE SOUTH SIDE; BETWEEN RTE 11 AND RTE 81	L	90NR02167	9/29/1988	11/15/1988	
07551.000013			9165 NORTH MAIN ST LAKE ST	L	90NR02169	9/29/1988	11/15/1988	

	NEWTON BLOCK				
07551.000006	9278 NORTH MAIN ST SAMUEL SADDLER HOUSE	L	90NR02168	9/29/1988	11/15/1988

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USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07551.000017			6064 S MAIN ST ANNIE PORTER AINSWORTH MEMORIAL LIBRARY					
07551.000029			5968 SOUTH MAIN ST					
07551.000028			5971 SOUTH MAIN ST					
07551.000027			5982 SOUTH MAIN ST					
07551.000030			5984 SOUTH MAIN ST					
07551.000031			5992 SOUTH MAIN ST					
07551.000025			5999 SOUTH MAIN ST					
07551.000026			6000 SOUTH MAIN ST					
07551.000024			6002 SOUTH MAIN ST					
07551.000023			6003 SOUTH MAIN ST					
07551.000022			6007 SOUTH MAIN ST					
07551.000019			6011 SOUTH MAIN ST					
07551.000020			6013 SOUTH MAIN ST					
07551.000021			6014 SOUTH MAIN ST					
07551.000018			6015 SOUTH MAIN ST					
07551.000032			6025 SOUTH MAIN ST					
07551.000033			6035 SOUTH MAIN ST					
07551.000034			6039 SOUTH MAIN ST					
07551.000035			6047 SOUTH MAIN ST					
07551.000036			6054 SOUTH MAIN ST					

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USN	Class.	BF	Street Address/Location/Bldg. Name	Deter.	NR Ref. No.	SR Date	NR Date	NHL Date
07551.000043	B		6064 South Main St Sandy Creek Library	I				
07551.000015	B		9156 SOUTH MAIN ST Annie Porter Ainsworth Memorial Library	L	90NR02169	9/29/1988	11/15/1988	
07551.000014			9163 SOUTH MAIN ST LAKE ST EL NYE BLOCK	L	90NR02169	9/29/1988	11/15/1988	

Appendix C

HIRA-NY Program Guidelines

HIRA-NY
USER GUIDELINES – GROUND RULES

The HIRA-NY (Hazard Identification and Risk Assessment - New York) application was developed by New York State Emergency Management Office (NYSEMO) to assist facilities and municipalities in conducting risk and vulnerability analyses for all-hazards and generating a hazard analysis report that meets the requirement of the Disaster Mitigation Act of 2000 and its implementing regulations—44 CFR Part 201-6. The risk and vulnerability report generated may also be used for local response, continuity of operations and strategic planning. HIRA-NY is based on the original HAZNY application developed by both the Red Cross and NYSEMO and is developed using Microsoft Excel (Excel). The hazard analysis report generated from HIRA-NY and further developed by the hazard analysis group is a key component in the development of local hazard mitigation plans.

HIRA-NY is a graphical user interface (GUI) driven spreadsheet that asks specific questions on potential hazards in a community or facility and records and evaluates the responses to these questions. HIRA-NY is designed specifically for groups, rather than individual use. In order to properly answer the questions in HIRA-NY, a considerable amount of information has to be collected, organized, and analyzed.

Factors to be considered include Scope, Frequency, Impact, Onset, and Duration. Each set of factors has specific "ground rules" that help guide the group's discussion of the analysis. These ground rules follow.

Factor 1: Scope Ground Rules

This factor looks at two aspects of hazard scope: (1) What area or areas in your jurisdiction that could be impacted by the hazard and (2) What are the chances of the hazard triggering another hazard causing a cascade effect? These areas should be identified in narrative and on maps.

Where could this hazard occur?

Based on the hazard information collected on the worksheets provided with HIRA-NY and mapped, assess the areas impacted by historical events and the potential of future events of the hazard.

The scope of a hazard should not be based on one instance of a hazard's impact on an area but all instances of past disaster events caused by the hazard where the magnitude of the event was large enough to cause measurable damage. Present and predicted future disaster events triggered by the hazard should also be considered.

When assessing impact, evaluate various severity levels including a credible worst-case hazard event.

Potting the impact area or areas on a map, either by hand or computerized (Geographical Information Systems) is essential to illustrate areas at risk as well as justifying your choice of the following:

- A Single Location – Several hazards can impact a single location. For example, jurisdiction having one small flood plain or a jurisdiction with a single landslide potential area can be categorized as a single location.
- Several Individual Locations - Many hazards are capable of impacting several individual locations. This does not mean the hazards occur simultaneously at these locations but could occur at one or several of them at the same time. Examples are multiple flood plains, potential civil disturbance sites, and several landslide prone locations.
- Throughout a Small Region - Where a single location or several individual locations actually comprise a significant area, the impact area should be classified as throughout a small region. A small region may involve a large neighborhood or the downtown section of a city. Examples of hazards that could impact small regions are floods, hazardous material releases, and dam failures.
- Throughout a Large Region - A larger region would extend for miles and comprise a significant portion of your jurisdiction. Possible hazards that could impact a large region are: hurricanes, forest fires, and hazardous material releases. Many hazards could occur anywhere in your jurisdiction (tornadoes, severe winter storms, extreme temperatures) and should also be classified as throughout a large region. Even though a large tornado may only impact part of your jurisdiction, a large tornado could potentially impact any part of your jurisdiction. Therefore, the area of potential impact is throughout a large region.

Additional Information for Facilities and industrial Sites
If your analysis is for a facility or industrial site (Facility) then treat your Facility as a jurisdiction, thus if a hazard could impact your entire Facility this should be categorized as a large region. Throughout a small region would be a portion of your facility.

Could This Hazard Trigger Another Hazard?
For this factor we are looking at a particular hazard's capability of triggering additional hazards. Based on the information collected on the worksheets provided with HIRA-NY, several hazards listed may have been triggered by an initial hazard. There are many hazards that can trigger the occurrence of other hazards. For example, a major earthquake can cause urban fires and/or hazardous chemical releases. Likewise, a severe winter storm can cause transportation accidents, flooding could impact water treatment facilities or result in a hazardous material release, and severe thunderstorms can cause utility failures.

When assessing this factor, again evaluate various severity levels including a credible worst-case hazard event. The worst-case event can vary from factor to factor. The choices for this are:
- No, Highly Unlikely
- Yes, Some Potential
- Yes, Highly Likely

The potential for one hazard triggering another hazard can vary depending on the geographic area. A flood plain in an undeveloped area may have little potential for triggering another hazard while a flood plain in an area with a water treatment plant could trigger a water supply failure or

water contamination if flooding occurs. If a hazard is identified as having some potential or highly likely to cause another hazard, the hazard must be identified and described in the final hazard analysis report.

Factor 2: Frequency Ground Rules

Frequency indicates how often a hazard has resulted in an emergency or disaster; frequency can also be a prediction of how often a hazard will occur in the future. We are NOT looking for the frequency of the credible worst-case event but an occurrence that would cause various types of damage to the community and require the activation of your jurisdiction's emergency response forces.

History is a good indicator of future events and should be reviewed before making the selection. The historical information collected in the worksheet provided with HIRA-NY, will help in developing proper frequencies for each hazard analyzed. Scientific information on probability of future occurrences should also be considered where available. However, for some hazards recent activity may increase or decrease frequency about or below that which history indicates (e.g., development in a previously undeveloped flood plain, substitution of non-hazardous materials for hazardous chemicals at local industry).

The frequency factor choices include a descriptive term and quantifying definition:

Descriptive Term	Quantifier
A Rare Event	Occurs less than once every 50 years
An Infrequent Event	Occurs between once every 8 years and once every 50 years (inclusive)
A Regular Event	Occurs between once a year and once every 7 years (inclusive)
A Frequent Event	Occurs more than once a year

If the quantifying information is not available and cannot be estimated, simply look for the descriptive term that best fits the hazard.

Factor 3: Impact Ground Rules

For impact, return to the maps developed during the data collection process where the areas of potential impacts were plotted and estimate each hazard's impact on your community. You should evaluate the impact at various severity levels including a credible worst-case. It is important to utilize the data collection worksheets provided with HIRA-NY to analyze impacts individually on people, private property, and public facilities.

Note that the worksheets require detailed information by type of private property and public facilities. For example, impact on roads bridges, water and wastewater facilities, fire stations, etc. when considering impact on public facilities. The same is true for private property where it is expected that detailed information would be provided on say residential, commercial, industrial facilities, etc. These data collection worksheets will be the foundation in which impacts are rated in HIRA-NY.

Impact on People

We are concerned here only about the hazard's ability to seriously injure or kill people. The choices include:

- Serious Injury or Death is Unlikely - A serious injury is one that would require immediate medical attention, without which the injured person's life or limb is threatened.
- Serious Injury or Death is Likely but not in Large Numbers - should apply when the casualties can be adequately treated through the normal operation of the emergency medical system in your jurisdiction.
- Serious Injury or Death is Likely in Large Numbers - should apply when the number of casualties requires a full or near full activation of your jurisdiction's medical facilities' disaster plans. In other words, the local EMS system is "maxed out."
- Serious Injury or Death is Likely in Extremely Large Numbers (catastrophe) - should apply when the numbers of casualties overwhelms the local emergency medical system and substantial outside assistance is required.

Note: It is important that the user, when interpreting terms like "large numbers," to apply them to their own jurisdiction.

Impact on People - Facilities or Industrial Sites

If your analysis is for a facility or industrial site you should assess death or injury to the surrounding community as well as your site if both are serviced by the same emergency medical system.

Impact on Private Property

Here we are looking for physical or economic damage to private property including industrial structures, homes and contents and commercial businesses, belongings, and income in your jurisdiction. The list and type of private property that might be impacted will be based on the community. For example, an urbanized community will generally have mostly developed property at risk while a semi-rural community might have developed and agricultural property at risk. If someone is temporarily put out of work or cannot operate a business as a result of the disaster caused by an identified hazard, this is considered an impact on private property. Private property also includes farms and agricultural businesses such as dairy and crop, etc. This information can be obtained from the data collection sheets. The choices are:

- Little or No Damage
- Moderate Damage
- Severe Damage

The line drawn between moderate and severe damage may not be easily defined. A few homes may be severely damaged by a flood but other property damage in the community is slight.

Because this analysis always looks at the impact on the entire community, this should be classified as moderate damage. Severe damage to crops could be severe damage to an agricultural community and only moderate damage to a suburban community. Beyond the actual classification of the impact as little or none, moderate and severe, the risk assessment process requires the identification of precise types and number of structures impacted.

Impact on Private Property – Facility or Industrial Site
If your analysis is for a facility or industrial site, do not assess damage to property outside your site.

Damage to the Community Infrastructure
Here we are concerned specifically with structural damage to the infrastructure that serves your jurisdiction, including key government buildings, roads, bridges, and sewer, water and power lines. The choices are:

- Little or No Structural Damage
- Moderate Structural Damage
- Severe Structural Damage

Note: As with private property damage, these categories can be easily misapplied. Keep in mind that "Severe" Damage to one or two structures may be moderate damage to the overall community. Also, as with private property, the above classification of damage should be supported by detailed information on the type of public property impacted.

Damage to Community Infrastructure – Facilities and Industry
If your analysis is for a facility or industrial site, you should assess damage to the public infrastructure (roads, bridges, water/sewer lines) that your facility necessarily uses both inside and outside of your site.

Factor 4: Onset Ground Rules

This is simply an inquiry into warning time: How much time is there between the initial recognition of an approaching hazard and when the hazard begins to impact the community? This is a very important factor because for some hazards (e.g., drought) ample warning time is available so that if plans and procedures have not been developed, there is still time to accomplish such. Other hazards provide no warning (e.g., an earthquake, Oklahoma City bombing) so the response depends on existing plans, if any.

For Time of Onset analysis, you should evaluate time of onset at various severity levels including a credible worst-case event. The choices are:

- No Warning
- Several Hours Warning
- One Day Warning
- Several Days Warning
- A Week or More Warning

For some hazards, there can be a different warning time for each location (e.g., dam failure). In that case, use the shortest warning time that is credible and associated with a credible worst-case event.

Factor 5: Duration Ground Rules

There are two types of duration that is needed for HIRA-NY:

(1) How long does the hazard remain active?

(2) How long do emergency operations continue?

A third duration not addressed in the HIRA-NY but should be included in the Hazard Analysis Report is "How long does it take to fully recovery from the event?" The recovery process continues until the community returns to normal this may take weeks, month, or years.

For questions one and two, you should consider various severity levels as well as a credible worst-case event.

Hazard Duration

The choices are:

- Less than on Day
- One Day
- Two to Three Days
- Four Days to a Week
- More than One Week

Consider how long the hazard remains active. For example, a flood is over once the water recedes, a tornado is over after it leaves, and a hazardous chemical release is over once the air is cleansed of the toxic chemical. For each of these examples the impact of the hazard remains well after the hazard has become inactive. However, duration measures only the actual time the hazard is active – longer-term impacts are measured in the next assessment: Incident Stabilization Time.

Incident Stabilization Time (Emergency Operations)

The choices are:

- Less than on Day
- One to two Days
- Three Days to One Week
- One Week to Two Weeks

Incident stabilization time is measured by determining how long emergency operations for your jurisdiction continue once the hazard is inactive. The hazard is considered stabilized for purposes of this assessment when the emergency operations return too normal.

HIRA-NY
Definitions of Hazards

Natural hazards

Avalanche

Definition: A mass of sliding snow which usually occurs in mountainous terrain where snow is deposited on slopes of 20 degrees or more.

Drought

Definition: A prolonged period of limited precipitation affecting the supply and quality of water.

Background: Droughts can occur during any period of time in any region of New York State. Even though the State normally possesses an adequate water supply with sufficient annual precipitation to replenish the State's reservoirs, lakes, rivers and groundwater aquifers, certain areas have a history of being more susceptible to periods of drought.

Drought periods progress through stages and drought intensity may vary considerably during the drought period. They are not sudden, extreme events like floods. The time of occurrence and duration can cause significant variations in drought impacts. For example, a drought which occurs in the fall and winter months has little direct impact on crop production. For public water supplies, drought is more serious during the reservoir refill and groundwater recharge periods in the spring.

Earthquake

Definition: Earthquakes are one of nature's most damaging hazards. An earthquake is a sudden motion or trembling that is caused by a release of strain accumulated within or along the edge of Earth's tectonic plates. The severity of these effects is dependent on the amount of energy released from the fault or epicenter. The effects of an earthquake can be felt far beyond the site of its occurrence. They usually occur without warning and after just a few seconds can cause massive damage and extensive casualties. Common effects of earthquakes are ground motion and shaking, surface fault ruptures, and ground failure. Earthquakes are more widespread than is often realized. The area of greatest seismic activity in the United States is along the Pacific Coast in California and Alaska, but as many as 40 states can be characterized as having at least moderate earthquake risk. For example, seismic activity has been recorded in Boston, Massachusetts; New Madrid, Missouri; and Charleston, South Carolina, places not typically thought of as earthquake zones. Areas prone to earthquakes are relatively easy to identify in the Western United States based on known geologic formations; however, predicting exactly when and where earthquakes will occur is very difficult everywhere.

Background: The most seismically active regions in the state lie in the Adirondacks and near the Canadian border along the St. Lawrence River followed by the New York City and Buffalo/Niagara/Attica regions. The possibility of a Richter magnitude 6 or greater earthquakes exists despite the fact that in the short historic record (about 300 years), no larger earthquakes have occurred in the state. Larger events have historically occurred along the Atlantic coast both north and south of New York and in adjacent Canada. The greater New York City area can expect, on average, one Richter magnitude 5 earthquake about once every 100 years (the last such event occurred in 1884).

*Earthquake Motion***:** The variables that characterize earthquakes are ground motion, surface faulting, ground failure, and seismic activity. **Ground motion** is the vibration or shaking of the ground during an earthquake. When a fault ruptures, seismic waves radiate, causing the ground to vibrate. The severity of the vibration increases with the amount of energy released and decreases with distance from the causative fault or epicenter, but soft soils can further amplify ground motions. *Surface faulting* is the differential movement of two sides of a fracture – in other words, the location where the ground breaks apart. The length, width, and displacement of the ground characterize surface faults. *Liquefaction* is the phenomenon that occurs when ground shaking causes loose soils to lose strength and act like viscous fluid. Liquefaction causes two types of *ground failure*: lateral spread and loss of bearing strength. *Lateral spreads* develop on gentle slopes and entail the sidelong movement of large masses of soil as an underlying layer liquefies. *Loss of bearing strength* results when the soil supporting structures liquefies. This can cause structures to tip and topple.

The ground motions associated with earthquakes in the eastern U.S. differ distinctly from ground motions in the western U.S. in several important ways. Eastern earthquakes tend to release higher rock stresses compared to their western counterparts, thereby causing the ground motions to contain more high-frequency energy. The ground motion shaking is felt more intensely in the eastern U.S. over larger distances because the Earth's crust and its rocks transmit seismic waves more efficiently, especially at high frequencies. This stronger shaking, especially at shorter periods and over larger distances is caused by the fact that the crustal rocks in the eastern U.S. tend to be older, more competent, and less riddled with seismically active faults.

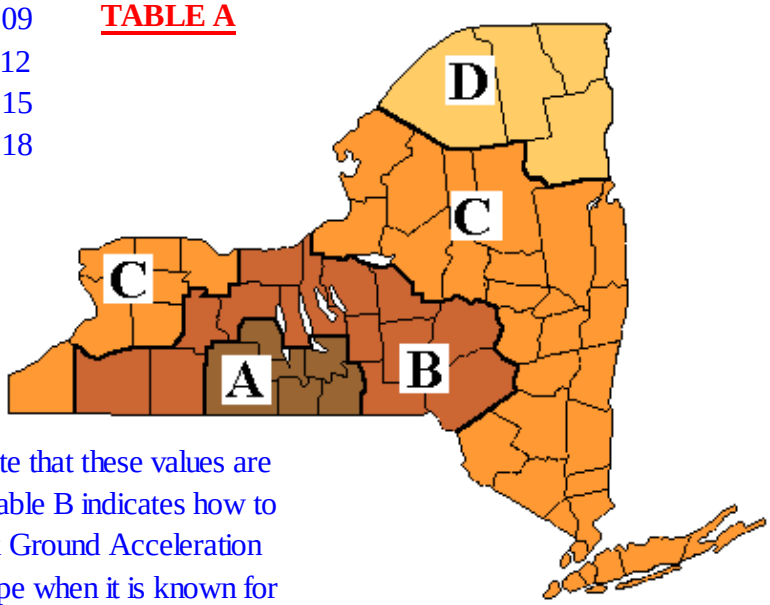
In 1993, the New York State Earthquake Code Advisory Committee recommended seismic provisions for building codes in New York State. The basis for their recommendations was an assessment of the earthquake risk in New York State. The Committee divided New York State into four earthquake zones. Each zone is assigned a Peak Ground Acceleration Value. This value is the basic determinant of the earthquake risk for each county in the State. It is a measure of the horizontal force of an earthquake in terms of a percentage of gravity. Thus, it is expressed as "g" (e.g., 0.1g means 10% of gravity).

The Peak Ground Acceleration Value earthquake has a 10% probability of occurring over a 50-year period or a 100% probability over 500 years. It becomes more probable of occurring than not occurring (51% probability) over a period of 255 years. For planning purposes it is believed to be the appropriate choice for a credible worst-case event. The Peak Ground Acceleration Values range from 0.09g to 0.18g in New York State. The higher the value, the greater the risk.

The following Table A is a map of New York State counties with the Peak Ground Acceleration Values based on what zone the county is in.

Seismic Zone A: Z = 0.09
Seismic Zone B: Z = 0.12
Seismic Zone C: Z = 0.15
Seismic Zone D: Z = 0.18

TABLE A

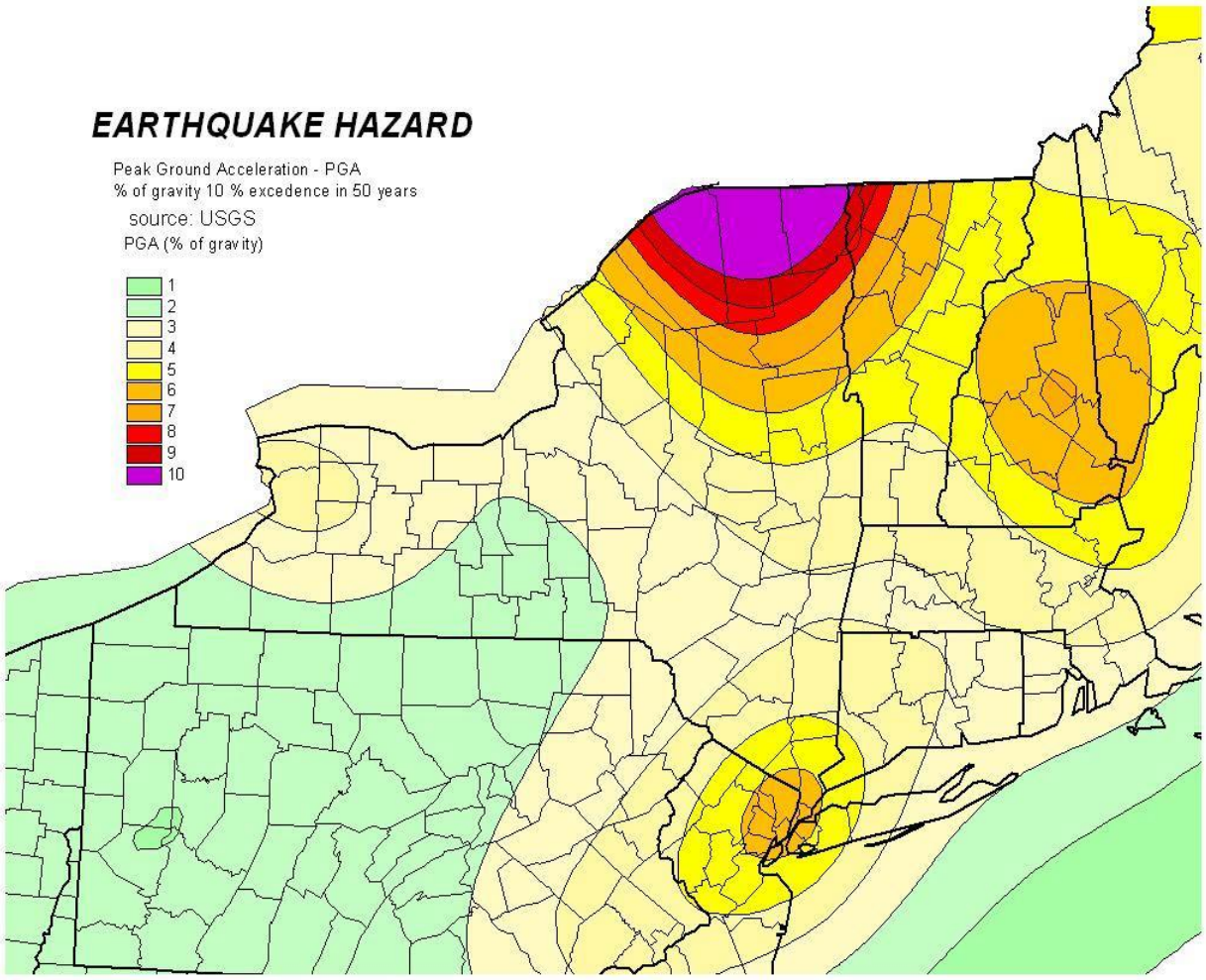


It is extremely important to note that these values are for average soil conditions. Table B indicates how to add or subtract from the Peak Ground Acceleration Values based on actual soil type when it is known for an area or locality. Actual soil type can substantially increase the earthquake risk.

TABLE B

Soil Type	Multiply "g" value by:
Very hard rock (e.g., granite, gneisses; most of Adirondack Mountains)	0.8
Rock (sedimentary) or firm ground	1.0
Stiff Clay	1.2
Soft to medium clays or sands	1.5
Soft soil (including fill, loose sand, waterfront, lake bed clays)	2.0

Note: If there are multiple soil types for your jurisdiction, select the type which predominates in built-up areas or you may average these factors based upon their predominance.



The figure above figure indicates three (3)general regions that have a seismic risk that tends to be higher. Those regions include; The North and Northeast third (1/3) of NYS (The North Country/Adirondack Region including a portion of the Greater Albany-Saratoga region), the Southeast corner (including the greater NYC area and western Long Island), and the Northwest corner (including the City of Buffalo and vicinity) of NY State, in that order from higher to lower. A NYS Geological Survey (GS) report entitled "Earthquake Hazard in New York State" supports the indications of the PGA map by identifying and characterizing these three (3) regions in NYS as "more active" (seismically). The New York State Geological Survey (NYS GS) studies the epicenters and size of all known historical and recent earthquakes.

Scope

What is the Potential Area of Impact?

An earthquake can occur anywhere in New York State thus, the recommended selection to this question is *Throughout a Large Region*.

Could This Trigger Another Hazard?

An event of 0.45g or greater would likely trigger secondary hazards including fires, power outages, water supply failures, dam failures, and hazardous chemical releases. Therefore, the selection should be *Yes, Highly Likely*.

For an event between 0.17g and 0.44g has some potential to trigger secondary hazards. Therefore the selection should be *Yes, Some Potential.*

For an event of 0.16g or less potential of such hazards occurring would be *No, Highly Unlikely*.

Impact

How Might This Hazard Impact the Population?

- The selection Serious Injury or Death is Unlikely is appropriate for 0.16g or less.
- The selection Serious Injury or Death is Likely but Not in Large Numbers is appropriate for 0.17g to 0.27g inclusive.
- The selection Serious Injury or Death is Likely in Large Numbers is appropriate for 0.28g to 0.59g inclusive.
- The selection Serious Injury or Death is Likely in Extremely Numbers is appropriate for 0.6g or greater.

How Might This Hazard Impact Private Property?

- The selection Little or No Impact is appropriate for 0.16g or less.
- The selection Moderate Impact is appropriate for 0.17g to 0.27g.
- The selection Severe Impact is appropriate for 0.28g and greater.

How Might This Hazard Damage Public Infrastructure?

- The selection Little or No Structural Damage is appropriate for .16g or less.
- The selection Moderate Damage is appropriate for 0.17g to 0.27g.
- The selection Severe Damage is appropriate for 0.28g and greater.

Onset

How Much Warning Will You Receive?

- No Warning is expected before an earthquake strikes.

Duration

How Long Does the Hazard Remain Active?

- The selection Less Than One Day is appropriate for 0.27g or less.
- The selection One Day is appropriate for 0.28g to 0.44g due to trigger of other hazards.
- The selection Two to Three Days is appropriate for 0.45g to 0.59g due to the trigger of other hazards.
- The selection Four Days to One Week is appropriate for 0.60g or greater due to the trigger of other hazards and significant aftershocks.

Once the Hazard Becomes Inactive, How Long Do Emergency Operations Continue?

- The selection Less Than One Day is appropriate for 0.05g or less.
- The selection One To Two Days is appropriate for 0.06g to 0.16g.
- The selection Three Days To One Week is appropriate for 0.17g to 0.27g.
- The selection One Week To Two Week is appropriate for 0.28g to 0.44g.
- The selection More Than Two Weeks is appropriate for 0.45g or greater

Flood

Definition: A flood is a natural event for rivers and streams. Excess water from snowmelt, rainfall, or storm surge accumulates and overflows onto the banks and adjacent floodplains. Floodplains are lowlands, adjacent to rivers, lakes, and oceans that are subject to recurring floods. Hundreds of floods occur each year, making it one of the most common hazards in all 50 states and U.S. territories. Floods kill an average of 150 people a year nationwide. They can occur at any time of the year, in any part of the country, and at any time of day or night. Floodplains in the U.S. are home to over nine million households. Most injuries and deaths occur when people are swept away by flood currents, and most property damage results from inundation by sediment-filled water. Several factors determine the severity of floods, including rainfall intensity (or other water source) and duration. A large amount of rainfall over a short time span can result in flash flood conditions. A small amount of rain can also result in floods in locations where the soil is saturated from a previous wet period or if the rain is concentrated in an area of impermeable surfaces such as large parking lots, paved roadways, or other impervious developed areas. Topography and ground cover are also contributing factors for floods. Water runoff is greater in areas with steep slopes and little or no vegetative ground cover. Frequency of inundation depends on the climate, soil, and channel slope. In regions where substantial precipitation occurs in a particular season each year, or in regions where annual flooding is derived principally from snowmelt, the floodplains may be inundated nearly every year. In regions without extended periods of below-freezing temperatures, floods usually occur in the season of highest precipitation. In areas where flooding is caused by melting snow, and occasionally compounded by rainfall, the flood season is spring or early summer. Fortunately, most of the known floodplains in the United States have been mapped by FEMA, which administers the NFIP. When a flood study is completed for the NFIP, the information and maps are assembled into a Flood Insurance Study (FIS). An FIS is a compilation and presentation of flood risk data for specific watercourses, lakes, and coastal flood hazard areas within a community and includes causes of flooding. The FIS report and associated maps delineate Special Flood Hazard Areas (SFHAs), designate flood risk zones, and establish base flood elevations (BFEs), based on the flood that has a 1% chance of occurring annually, or the 100-year flood. The study may have three components:

- The FIS – Flood Insurance Study text;
- The FIRM – Flood Insurance Rate Map; and
- A separate Flood Boundary and Floodway Map (FBFM) that was issued as a component of the FIS for each community studied prior to 1986.

No BFE or flood zone names are shown on the floodway map and people often confuse the white floodway with the white area representing land that is free from flooding. FIS reports published since 1986 have corrected this problem by delineating the floodways as diagonally hatched areas on the FIRMs.

The *100-year flood* designation applies to the area that has a 1 percent chance, on average, of flooding in any given year. However, a 100-year flood could occur two years in a row, or once every 10 years. The 100-year flood is also referred to as the *base flood.* The base flood is the standard that has been adopted for the NFIP. It is a national standard that represents a compromise between minor floods and the greatest flood likely to occur in a given area and provides a useful benchmark. *Base Flood Elevation (BFE***)**, as shown on the FIRM, is the elevation of the water surface resulting from a flood that has a 1% chance of occurring in any given year. The BFE is the height of the base flood, usually in feet, in relation to the National Geodetic Vertical Datum (NGVD) of 1929, the North American Vertical Datum (NAVD) of 1988, or other datum referenced in the FIS report.

Special Flood Hazard Area (SFHA) is the shaded area on a FIRM that identifies an area that has a 1% chance of being flooded in any given year (100-year floodplain). FIRMs show different floodplains with different zone designations. These are primarily for insurance rating purposes, but the zone differentiation can be very helpful for other floodplain planning purposes.

Floodway is the stream channel and that portion of the adjacent floodplain that must remain open to permit passage of the base flood without raising the water surface elevation by more than one foot.

Flood Insurance Studies and Maps
FEMA has prepared Flood Insurance Studies (FIS) for flood prone communities. These FISs contain information on local flood history, local flood problems, and other flood studies that have been prepared for the community. FEMA has also created Flood Insurance Rate Maps (FIRM) for more than 19,000 communities in the country as a part of the FIS. In addition to the 100-year floodplain, which is the area of the community with a 1% chance of flooding in any given year, the FIRM also illustrates coastal high hazard areas, the floodway, and the 500-year floodplain, which is the area of the community with a 0.2% chance of flooding in any given year. Another element of the FIS is a graph, also known as a flood profile, which shows potential flood elevations plotted along the waterways. This information will help you delineate the boundaries of the floodplain in your planning area.

Flooding within New York State.
Background: Flooding is New York's most consistently damaging natural hazard. Since 1955 New York has recorded more flood events than any other state in the Northeast.

Coastal Storm

Coastal storms can cause increases in tidal elevations (called storm

surge), wind speed, and erosion, caused by both extratropical events and tropical cyclones. Extratropical events include *Nor'easters* and *severe winter low-pressure systems*. Both West and East coasts can experience these non-tropical storms that produce gale-force winds and precipitation in the form of heavy rain or snow. These cyclonic storms, commonly called Nor'easters on the East Coast because of the direction of the storm winds, can last for several days and can be very large – 1,000-mile wide storms are not uncommon.
A "tropical cyclone" is a generic term for a cyclonic, low-pressure system over tropical or sub-tropical waters. Tropical cyclones with maximum sustained winds of less than 39 mph are called *tropical depressions*. A *tropical storm* is a cyclone with maximum sustained winds greater than 39 mph and less than 74 mph, and *hurricanes* are intense tropical weather systems with maximum sustained winds of 74 mph or higher that develop over the north Atlantic Ocean, northeast Pacific Ocean, or the south Pacific Ocean east of 160E longitude. A special category of tropical cyclone is a *typhoon*, which is peculiar to the western North Pacific Basin, frequently affecting areas in the vicinity of Guam and the North Mariana Islands. Typhoons whose maximum sustained winds attain or exceed 150 miles per hour are called *super typhoons*.
The primary focus of this section is on the effects of hurricanes although all these types of coastal storms can have similar impacts in terms of wind damage, flooding and coastal erosion.

Characteristics of a Coastal Storm

Storm surge: The most dangerous and damaging feature of a coastal storm is storm surge. Storm surges are large waves of ocean water that sweep across coastlines where a storm makes landfall. The more intense the storm, the greater the height of the water. The higher the storm surge, the greater the damage to the coastline. Storm surges inundate coastal areas, wash out dunes, cause backwater flooding in rivers, and can flood streets and buildings in coastal communities. Storm surge areas can be mapped by the probability of storm surge occurrences using Sea, Lake, and Overland Surges from Hurricanes modeling (SLOSH).
Storm tide: If a storm surge occurs at the same time as high tide, the water height will be even greater. Storm tide is the combination of the storm surge and the normal tide. For example, a 15-foot storm surge along with the normal 2-foot high tide creates a storm tide of 17 feet.
Inland Flooding: In recent years, most deaths related to hurricane and tropical storm activity have been the result of inland flooding. As hurricanes move across land bringing torrential rains and backwater flooding from the ocean, rivers and streams overflow. Hurricanes and tropical storms have been known to cause floods whose elevations represent greater than a 500-year probability of occurring in inland areas.
*Water force***:** During hurricanes and other coastal storms, coastal areas will experience flooding with velocity or "wave action," defined as areas subject to receiving waves on top of the rising water from coastal flooding. The velocity and the force of the water make flooding even more destructive. The velocity and wave action knock over buildings, move debris, erode dunes, scour the shoreline, and displace and redeposit sand. Areas subject to coastal flooding with velocity are designated as V or VE zones on FIRMs.

Wind velocity: The higher the wind speed, the greater the damage. Hurricane force winds can travel hundreds of miles inland, creating substantial damage to buildings, vegetation, and infrastructure.

*Coastal erosion***:** Coastal erosion is the wearing away of coastal land. It is commonly used to describe the horizontal retreat of the shoreline along the ocean, or the vertical downcutting along the shores of the Great Lakes. Erosion is considered a function of larger processes of shoreline change, which includes erosion and accretion. Erosion results when more sediment is lost along a articular shoreline than is redeposited by the water body. Accretion results when more sediment is deposited along a particular shoreline than is lost. When these two processes are balanced, the shoreline is said to be stable. In assessing the erosion hazard in your community or state, it is important to realize that there is a temporal, or time aspect associated with the average rate at which a shoreline is either eroding or accreting. Over a long-term period (years), a shoreline is considered either eroding, accreting or stable. When you evaluate coastal erosion in your community or state, you should focus on the long-term erosion situation. However, in the short-term, it is important to understand that storms can erode a shoreline that is, over the long-term, classified as accreting, and vice versa. Erosion is measured as a rate, with respect to either a linear retreat (i.e., feet of shoreline recession per year) or volumetric loss (i.e., cubic yards of eroded sediment per linear foot of shoreline frontage per year). Erosion rates are not uniform, and vary over time at any single location. Annual variations are the result of seasonal changes in wave action and water levels. Erosion is caused by coastal storms and flood events; changes in the geometry of tidal inlets, river outlets, and bay entrances; man-made structures and human activities such as shore protection structures and dredging; long-term erosion; and local scour around buildings and other structures. Further information on coastal erosion can be found in FEMA-55, Coastal Construction Manual, FEMA's Multihazard Identification and Risk Assessment, Evaluation of Erosion Hazards published by The Heinz Center, and Coastal Erosion Mapping and Management, a special edition of the Journal of Coastal Research.

Hurricane

Definition: Tropical cyclones, formed in the atmosphere over warm ocean areas, in which wind speeds reach 74 miles per hour or more and blow in a large spiral around a relatively calm center or "eye." Circulation is counterclockwise in the Northern Hemisphere and clockwise in the Southern Hemisphere.

Background: Hurricanes are a great threat to life and can damage property through storm surge, intense winds, and flooding. The potential for flooding from extreme rainfall in a hurricane or tropical storm exists statewide; however, this aspect should be analyzed under the hazard "flood".

As hurricanes approach land, they create a storm surge along the coastline that raises water up to 20 feet above normal sea level. The coastal areas of New York receive the full brunt of storm surge and hurricane winds and therefore, sustain the most damage. The table below shows the Saffir-Simpson Scale categories and expected damage.

Saffir-Simpson Scale

Category	Wind Speed	Storm Surge (feet above normal sea level)	Expected Damage
1	74-95 mph	4-5 ft.	**Minimal:** Damage is done primarily to shrubbery and trees, unanchored mobile homes are damaged, some signs are damaged, no real damage is done to structures.
2	96-110 mph	6-8 ft.	**Moderate:** Some trees are toppled, some roof coverings are damaged, major damage is done to mobile homes.
3	111-130 mph	9-12 ft.	**Extensive:** Large trees are toppled, some structural damage is done to roofs, mobile homes are destroyed, structural damage is done to small homes and utility buildings.
4	131-155 mph	13-18 ft.	**Extreme:** Extensive damage is done to roofs, windows, and doors; roof systems on small buildings completely fail; some curtain walls fail.
5	> 155 mph	> 18 ft.	**Catastrophic:** Roof damage is considerable and widespread, window and door damage is severe, there are extensive glass failures, and entire buildings could fail.

Ice Jam

Definition: Large accumulation of ice in rivers or streams interrupting the normal flow of water and often leading to flooding conditions and/or damage to structures.

Ice Storm

Definition: Freezing rain which accumulates in a substantial glaze layer of ice resulting in serious disruptions of normal transportation and possible downed power lines.

Infestation

Definition: An excessive population of insects, rodents, or other animals requiring control measures due to their potential to carry diseases, destroy crops, or harm the environment.

Landslide

Definition: The downward and outward movement of slope-forming materials reacting to the force of gravity. Slide materials may be composed of natural rock, soil, artificial fill, or combinations of these materials. The term landslide is generalized and includes rock falls, rockslides, creep, block glides, debris slides, earth-flow, mud flow, slump, and other similar terms. Landslides occur in all U.S. states and territories. In a landslide, masses of rock, earth, or

debris move down a slope. Landslides may be small or large, slow or rapid. They are activated by:

- storms,
- earthquakes,
- volcanic eruptions,
- fires,
- alternate freezing or thawing, and
- steepening of slopes by erosion or human modification.

Debris and mud flows are rivers of rock, earth, and other debris saturated with water. They develop when water rapidly accumulates in the ground, during heavy rainfall or rapid snowmelt, changing the earth into a flowing river of mud or "slurry." They can flow rapidly, striking with little or no warning at avalanche speeds. They also can travel several miles from their source, growing in size as they pick up trees, boulders, cars, and other materials.

Landslide problems can be caused by land mismanagement, particularly in mountain, canyon, and coastal regions. In areas burned by forest and brush fires, a lower threshold of precipitation may initiate landslides. Land-use zoning, professional inspections, and proper design can minimize many landslide, mudflow, and debris flow problems.

The following factors will affect the severity of a landslide:
Erosion – Erosion caused by rivers, glaciers, or ocean waves created by overly steep slopes.
Unstable slopes – Rock and soil slopes are weakened through saturation by snowmelt or heavy rains.
Earthquakes – The shaking from earthquakes creates stress that makes weak slopes fail.
Volcanic eruptions – Eruptions produce loose ash deposits and debris flows.
Vibrations – Machinery, traffic, blasting, and even thunder may cause vibrations that trigger failure of weak slopes.
I*ncrease of load* – Weight of rain/snow, fills, vegetation, stockpiling of rock or ore from waste piles, or from man-made structures may cause weak slopes to fail.
Hydrologic factors – Rain, high water tables, little or no ground cover, numerous freeze/thaw cycles may cause weak slopes to fail.
Human activity – These include development activities such as cutting and filling along roads and removal of forest vegetation. Such activities are capable of greatly altering slope form and ground water conditions which can cause weak slopes to fail.
Removal of lateral and underlying support – Erosion, previous slides, road cuts and quarries can trigger failure of weak slopes.
Increase of lateral pressures – Hydraulic pressures, tree roots, crystallization, swelling of clay soil may cause weak slopes to fail.
Regional tilting – Geological movements can trigger weak slopes to fail.

Severe Storm

Definition: For this category, you should consider hail storms, windstorms, and severe thunderstorms (with associated severe wind events such as derechos, gustnados, and downbursts).

Severe Thunderstorm

Definition: A thunderstorm that produces tornadoes, hail 0.75 inches or more in diameter, or winds of 50 knots (58 mph) or more. Structural wind damage may imply the occurrence of a severe thunderstorm.

Tornado

Definition: A local atmospheric storm, generally of short duration, formed by winds rotating at very high speeds, usually in a counterclockwise direction. The vortex, up to several hundred yards wide, is visible to the observer as a whirlpool-like column of winds rotating about a hollow cavity of funnel. Winds have been estimated to be as high as 400 miles per hour.

Background: New York State has an average of five tornadoes a year which can occur in any region. A tornado is a great threat to life and usually causes catastrophic damage to property within its path. Due to the large amount of damage tornadoes cause in a relatively short amount of time, they are considered one of the most destructive natural hazards.

Tornadoes are nature's most violent storms. Spawned from powerful thunderstorms, tornadoes can cause fatalities and devastate a neighborhood in seconds. A tornado appears as a rotating, funnel-shaped cloud that extends from a thunderstorm to the ground with whirling winds that can reach 300 miles per hour. Damage paths can be in excess of one mile wide and 50 miles long. Every state is at some risk from this hazard.

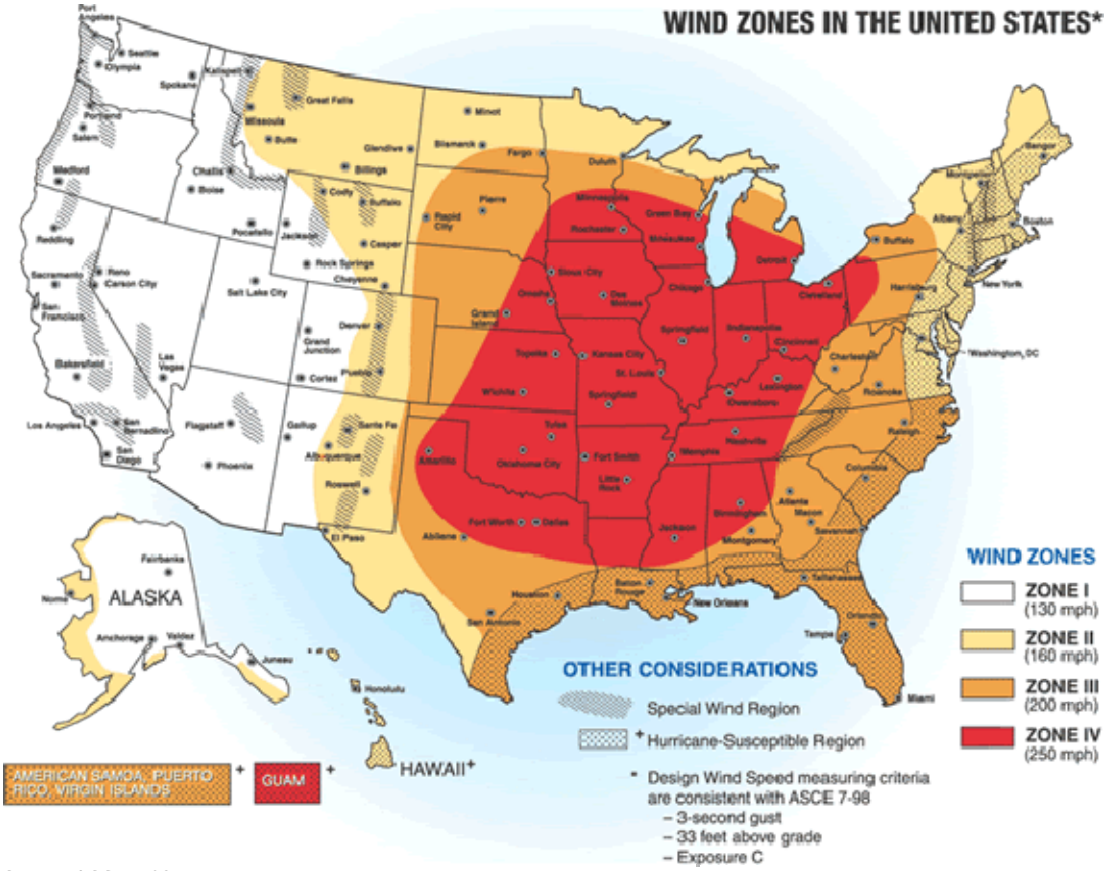
Some tornadoes are clearly visible, while rain or nearby low-hanging clouds obscure others. Occasionally, tornadoes develop so rapidly that little, if any, advance warning is possible.

Before a tornado hits, the wind may die down and the air may become very still. A cloud of debris can mark the location of a tornado even if a funnel is not visible. Tornadoes generally occur near the trailing edge of a thunderstorm. It is not uncommon to see clear, sunlit skies behind a tornado.

The following are facts about tornadoes:

- They may strike quickly, with little or no warning.
- They may appear nearly transparent until dust and debris are picked up or a cloud forms in the funnel.
- The average tornado moves Southwest to Northeast, but tornadoes have been known to move in any direction.
- The average forward speed of a tornado is 30 MPH, but may vary from stationary to 70 MPH.

- Tornadoes can accompany tropical storms and hurricanes as they move onto land.
- Waterspouts are tornadoes that form over water.
- Tornadoes are most frequently reported east of the Rocky Mountains during spring and summer months.
- Peak tornado season in the southern states is March through May; in the northern states, it is late spring through early summer.
- Tornadoes are most likely to occur between 3 p.m. and 9 p.m., but can occur at any time.



Source: ASCE 7-98

Tsunami-Wave Action

Definition: Tsunamis (pronounced soo-ná-mees), also known as seismic sea waves (mistakenly called “tidal waves”), are a series of enormous waves created by an underwater disturbance such as an earthquake, landslide, volcanic eruption, or meteorite. A tsunami can move hundreds of miles per hour in the open ocean and smash into land with waves as high as 100 feet or more.

From the area where the tsunami originates, waves travel outward in all directions. Once the wave approaches the shore, it builds in height. The topography of the coastline and the ocean floor will influence the size of the wave. There may be more than one wave and the succeeding

one may be larger than the one before. That is why a small tsunami at one beach can be a giant wave a few miles away.

All tsunamis are potentially dangerous, even though they may not damage every coastline they strike. A tsunami can strike anywhere along most of the U.S. coastline. The most destructive tsunamis have occurred along the coasts of California, Oregon, Washington, Alaska, and Hawaii.

Earthquake-induced movement of the ocean floor most often generates tsunamis. If a major earthquake or landslide occurs close to shore, the first wave in a series could reach the beach in a few minutes, even before a warning is issued. Areas are at greater risk if they are less than 25 feet above sea level and within a mile of the shoreline. Drowning is the most common cause of death associated with a tsunami. Tsunami waves and the receding water are very destructive to structures in the run-up zone. Other hazards include flooding, contamination of drinking water, and fires from gas lines or ruptured tanks.

What are the Characteristics of Tsunamis?

Debris: As the tsunami wave comes ashore, it brings with it debris from the ocean, including man-made debris like boats, and as it strikes the shore,
creates more on-shore debris. Debris can damage or destroy structures on land.

Distance from shore: Tsunamis can be both local and distant. Local tsunamis give residents only a few minutes to seek safety and cause more devastation. Distant tsunamis originating in places like Chile, Japan, Russia, or Alaska can also cause damage.

High tide: If a tsunami occurs during high tide, the water height will be greater and cause greater inland inundation, especially along flood control and other channels.

Outflow: Outflow following inundation creates strong currents, which rip at structures and pound them with debris, and erode beaches and coastal structures.

Water displacement: When a large mass of earth on the ocean bottom impulsively sinks or uplifts, the column of water directly above it is displaced, forming the tsunami wave. The rate of displacement, motion of the ocean floor at the earthquake epicenter, the amount of displacement of the rupture zone, and the depth of water above the rupture zone all contribute to the intensity of the tsunami.

Wave runup: Runup is the height that the wave extends up to on steep shorelines, measured above a reference level (the normal height of the sea, corrected to the state of the tide at the time of wave arrival).
Wave strength: *Even small wave heights can cause strong, deadly surges. Waist-high surges can cause strong currents that float cars, small structures, and other debris.*

Wildfire

Definition: An uncontrollable combustion of trees, brush, or grass involving a substantial land area which may have the potential for threatening human life and property. The threat of wildland fires for people living near wildland areas or using recreational facilities in wilderness areas is real. Dry conditions at various times of the year and in various parts of the United States greatly increase the potential for wildland fires. They often begin unnoticed and spread quickly and are usually signaled by dense smoke that fills the area for miles around. Naturally occurring and non-native species of grasses, brush, and trees fuel wildfires. A *wildland fire* is a wildfire in an area in which development is essentially *nonexistent, except for roads, railroads, power lines and similar facilities. An Urban-Wildland Interface fire* is a wildfire in a geographical area where structures and other human development meet or intermingle with wildland or vegetative fuels. States with a large amount of wooded, brush and grassy areas, such as California, Colorado, New Mexico, Montana, Kansas, Mississippi, Louisiana, Georgia, Florida, the Carolinas, Tennessee, Massachusetts, and the national forests of the western United States are at highest risk of wildfires. Additionally, areas anywhere that have experienced prolonged droughts, or are excessively dry, are also at risk of wildfires. People start more than four out of every five wildfires, usually as debris burns, arson, or carelessness. Lightning strikes are the next leading cause of wildfires. Wildfire behavior is based on three primary factors:

- Fuel
- Topography
- Weather

The type, and amount of fuel, as well as its burning qualities and level of moisture affect wildfire potential and behavior. The continuity of fuels, expressed in both horizontal and vertical components is also a factor, in that it expresses the pattern of vegetative growth and open areas. Topography is important because it affects the movement of air (and thus the fire) over the ground surface. The slope and shape of terrain can change the rate of speed at which the fire travels. Weather affects the probability of wildfire and has a significant effect on its behavior. Temperature, humidity and wind (both short and long term) affect the severity and duration of wildfires.

Advance planning and knowing how to protect buildings in these areas can lessen the devastation of a wildland fire. There are several safety precautions that you can take to reduce the risk of fire losses. Protecting your home from wildfire is your responsibility. To reduce the risk, you'll need to consider the fire resistance of your home, the topography of your property and the nature of the vegetation close by.

Winter Storm Severe

Definition: Heavy snowfall and extreme cold can immobilize an entire region. Even areas that normally experience mild winters can be hit with a major snowstorm or extreme cold. Winter storms can result in flooding, storm surge, closed highways, blocked roads, downed power lines and hypothermia.

A storm system that develops in late fall to early spring and deposits wintry precipitation, such as snow (including lake effect), sleet, or freezing rain, with a significant impact on transportation systems and public safety. For this analysis, the following could meet this definition:

- Heavy Snow - Six inches in 12 hours or less.
- Blizzard - Characterized by low temperatures, winds 35 mph or greater, and sufficient falling and/or blowing snow in the air to frequently reduce visibility to 1/4 mile or less for a duration of at least three hours.
- Severe Blizzard - Characterized by temperatures near or below 10 degrees F, winds exceeding 45 mph, and visibility reduced by snow to near zero for a duration of at least three hours.

NOTE: Ice Storm should be analyzed as a separate hazard.

Extreme Temperatures

Definition: Extended periods of excessive cold or hot weather with a serious impact on human and/or animal populations particularly elderly and/or persons with respiratory ailments. Heat kills by pushing the human body beyond its limits. In extreme heat and high humidity, evaporation is slowed and the body must work extra hard to maintain a normal temperature.

Most heat disorders occur because the victim has been overexposed to heat or has over-exercised for his or her age and physical condition. Older adults, young children, and those who are sick or overweight are more likely to succumb to extreme heat.

Conditions that can induce heat-related illnesses include stagnant atmospheric conditions and poor air quality. Consequently, people living in urban areas may be at greater risk from the effects of a prolonged heat wave than those living in rural areas. Also, asphalt and concrete store heat longer and gradually release heat at night, which can produce higher nighttime temperatures known as the "urban heat island effect."

Technological hazards

Air Contamination

Definition: This is pollution caused by atmospheric conditions, (as opposed to a chemical spill or release type of situation) such as a temperature inversion induced smoggy condition sufficiently serious to create some danger to human health.

Civil Unrest

Definition: An individual or collective action causing serious interference with the peace, security, and/or functioning of a community (e.g., riot).

Dam Failure

Definition: Dam structural deterioration, either gradual or sudden that results in the inability to control impounded water as designed. Thereby leading to n danger to people and/or property in the potential inundation area.

Background: There are 75,900 dams in the United States, according to the 2005 update to the National Inventory of Dams. Approximately one third of these pose a "high" or "significant" hazard to life and property if failure occurs.

Dam failure or levee breeches can occur with little warning. Intense storms may produce a flood in a few hours or even minutes for upstream locations. Flash floods occur within six hours of the beginning of heavy rainfall, and dam failure may occur within hours of the first signs of breaching.

Other failures and breeches can take much longer to occur, from days to weeks, as a result of debris jams or the accumulation of melting snow.

Dams may be either man-made or exist because of natural phenomena, such as landslides or glacial deposition. The majority of dams are man-made structures normally constructed of earthfill or concrete. There are approximately 6,000 dams throughout New York State, of which many are small and do not constitute a serious threat to the downstream area if they were to fail.

Dam failure can result from many factors such as natural disasters, structural deterioration, or actions caused by man, including terrorism. According to the International Commission of Large Dams (ICOLD), the three major causes of dam failure are overtopping by flood, foundation defects and piping. For concrete dams, the major reason for failure is associated with foundations. For earthen dams, piping was the main reason for failure. Over topping affects both concrete and earthfill dams which do not have adequate spillways to allow for high water levels to pass through without damaging the structure.

Dams are classified as follows:

High hazard	Where failure would probably cause loss of human life.
Moderate hazard	Where failure would cause extensive property damage.
Low hazard	Where failure would only cause damage to undeveloped lands.

Epidemic

Definition: The occurrence or outbreak of disease to an unusual number of individuals or proportion of the population, human or animal.

Explosion

Definition: The threat or actual detonation of an explosive device or material with the potential of inflicting serious injury to people or damage to property.

Fire

Definition: The uncontrolled burning in residential, commercial, industrial, institutional, or other structures in developed area.

Each year, more than 4,000 Americans die and more than 25,000 are injured in fires, many of which could be prevented. Direct property loss due to fires is estimated at $8.6 billion annually.

To protect yourself, it is important to understand the basic characteristics of fire. Fire spreads quickly; there is no time to gather valuables or make a phone call. In just two minutes, a fire can become life-threatening. In five minutes, a residence can be engulfed in flames.

Heat and smoke from fire can be more dangerous than the flames. Inhaling the super-hot air can sear your lungs. Fire produces poisonous gases that make you disoriented and drowsy. Instead of being awakened by a fire, you may fall into a deeper sleep. Asphyxiation is the leading cause of fire deaths, exceeding burns by a three-to-one ratio.

Food Shortage

Definition: A situation where the normal distribution pattern and/or the timely delivery of foodstuffs to retail establishments for normal consumer demand is interrupted for a substantial period of time.

Fuel Shortage

Definition: A situation in which the normal quantity and/or timely delivery of fuel supplies to distributors and retail establishments are interrupted.

Hazardous Material - Fixed Site

Definition: The uncontrolled release of material from a stationary facility, which when released can result in death or injury to people and/or damage to property and the environment through the material's flammability, toxicity, corrosiveness, chemical instability and/or combustibility.

Hazardous Material - In Transit

Definition: The uncontrolled release of materials during transport, which when released can result in death or injury to people and/or damage to property and the environment through the material's flammability, toxicity, corrosiveness, chemical instability and/or combustibility.

Mine Collapse

Definition: The folding, caving in or sudden implosion of an underground cavity. Such an event would threaten persons inside the cavity and/or persons, property and structures on the surface.

Oil Spill

Definition: The uncontrolled or accidental discharge of petroleum into water and/or onto land.

Radiological - In Transit

Definition: A release or threat of release of radioactive material from a transportation vehicle including truck, rail, air, and marine vehicle.

Radiological (Fixed Site)

Definition: A release or threat of release of radioactive material from a nuclear power generating station or research reactor or other stationary source of radioactivity.

Background: Commercial nuclear power generating facilities have the greatest concentration of radioactive materials of any private source. There are three nuclear sites with six operating reactors in New York State that are capable of releasing substantial concentrations of radioactive materials in mass quantities. The three nuclear power sites are Indian Point in Westchester County, with two operating reactors; Nine Mile Point in Oswego County, with three operating reactors; and Ginna in Wayne County with one operating reactor.

There are numerous small research reactors and other facilities that use radioactive material in New York State.

Structural Collapse

Definition: A sudden structural failing, partial or fully, of buildings, bridges or tunnels, threatening human life and health.

Terrorism

Definition: The threat or use of violence to achieve political/social ends usually associated with community disruption and/or multiple injuries or deaths.

Transportation Accident

Definition: A mishap involving one or more conveyances on land, sea, and/or in the air which results in mass casualties and/or substantial loss of property.

Utility Failure

Definition: Loss of electric and/or natural gas supply, telephone service or public water supply as a result of an internal system failure and not by the effects of disaster agents.

Water Supply Contamination

Definition: The contamination or potential contamination of surface or subsurface public water supply by chemical or biological materials that results in restricted or diminished ability to use the water source.

Appendix B

Completed County and Single and Multi-Jurisdictional Risk Assessments

Town of Albion
Village of Altmar

TOWN OF ALBION
VILLAGE OF ALTMAR
COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

ATTACHMENT 1
TOWN OF ALBION/VILLAGE OF ALTMAR
HAZARD ANALYSIS

Background

The Town of Albion and Village of Altmar conducted a hazard analysis using the automated program, *HAZNY* (Hazards New York). *HAZNY* was developed by the American Red Cross and the New York State Emergency Management Office.

The results of this hazard analysis are presented in this report.

HAZNY is an automated interactive spreadsheet that asks specific questions on potential hazards in a community and records and evaluates the responses to these questions. *HAZNY* also includes historical and expert data on selected hazards. *HAZNY* is designed specifically for groups, rather than individual use. The Town of Albion and Village of Altmar assembled a group of local officials to consider and discuss the questions and issues raised by the *HAZNY* program. Representatives from the Oswego County Emergency Management Office facilitated the meeting and recorded the results.

The Results

The committee analyzed hazards potentially affecting the Town of Albion and Village of Altmar. *HAZNY* rated each hazard based on the Group's assessment and assigned a numerical value.

These values are categorized as follows:

321 to 400 HIGH HAZARD
241 to 320 MODERATELY HIGH HAZARD
161 to 240 MODERATELY LOW HAZARD
44 to 160 LOW HAZARD

The committee rated the 12 hazards as follows:

Hazard	Rating
ICE STORM	294
WINTER STORM (SEVERE)	291
DAM FAILURE	269
TORNADO	251
WILDFIRE	245
FLOOD	230
TERRORISM	222
UTILITY FAILURE	216
SEVERE STORM	204
EPIDEMIC	194
OIL SPILL	185
RADIOLOGICAL (IN TRANSIT)	172

Hazard(s) rated as moderately high: ICE STORM, WINTER STORM (SEVERE), DAM FAILURE, TORNADO, and WILDFIRE.

ICE STORM: 294, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: Several Hours Warning
Hazard Duration: Two to Three Days
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death Unlikely
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

WINTER STORM (SEVERE): 291, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Frequent Event
Onset: Several Hours Warning
Hazard Duration: More Than One Week
Recovery Time: One to Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

DAM FAILURE: 269, Moderately High Hazard

Potential Impact: Throughout a Small Region
Cascade Effects: Highly Likely
Frequency: An Infrequent Event
Onset: Several Hours Warning
Hazard Duration: Two to Three Days
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death to Large Numbers
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

TORNADO: 251, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: An Infrequent Event
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

WILDFIRE: 245, Moderately High Hazard

Potential Impact: Throughout a Small Region
Cascade Effects: Some Potential
Frequency: An Infrequent Event
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: One to Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Little or No Structural Damage to Public Facilities

Hazard(s) rated as moderately low: FLOOD, TERRORISM, UTILITY FAILURE, SEVERE STORM, EPIDEMIC, OIL SPILL, RADIOLOGICAL (IN TRANSIT)

FLOOD: 230, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: Several Hours Warning
Hazard Duration: One Day
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

TERRORISM: 222, Moderately Low Hazard

Potential Impact: Throughout a Small Region
Cascade Effects: Highly Likely
Frequency: A Rare Event
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

UTILITY FAILURE: 216, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Some Potential
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death Unlikely
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

SEVERE STORM: 204, Moderately Low Hazard

Potential Impact: Throughout a Small Region
Cascade Effects: Some Potential
Frequency: A Regular Event
Onset: One Day Warning
Hazard Duration: One Day
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

EPIDEMIC: 194, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Some Potential
Frequency: A Regular Event
Onset: Several Days Warning
Hazard Duration: More Than One Week
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death Unlikely
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

OIL SPILL: 185, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Some Potential
Frequency: A Rare Event
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

RADIOLOGICAL (IN TRANSIT): 172, Moderately Low Hazard

Potential Impact: Throughout a Small Region
Cascade Effects: Some Potential
Frequency: A Rare Event
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: One to Two Days
Impact:

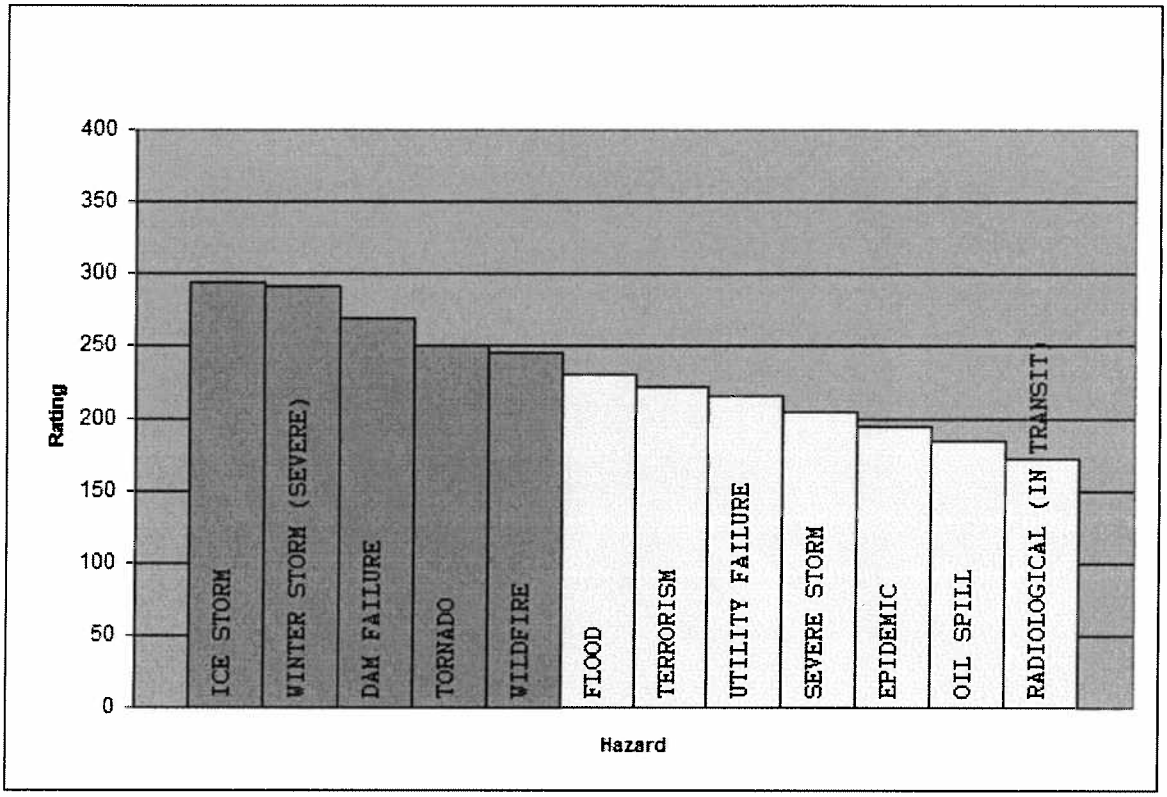
- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

HAZARDS THAT OCCUR WITH NO WARNING*
WILDFIRE
TERRORISM
UTILITY FAILURE
OIL SPILL
RADIOLOGICAL (IN TRANSIT)
* No warning was selected from the Onset Tab.

HAZARDS THAT OCCUR MOST OFTEN*
WINTER STORM (SEVERE)
*A frequent event was selected on frequency Tab.

HAZARDS THAT PRESENT THE GREATEST THREAT TO LIFE*
DAM FAILURE
*Serious injury and death in large or extremely large numbers was selected from the Impact Tab.

Figure 1. Chart of Hazards vs. Ratings



Town of Amboy

TOWN OFAMBOY

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

ATTACHMENT 1
HAZARD ANALYSIS

1 Introduction

Members of the Amboy Emergency Planning Committee worked with the Oswego County Emergency Management Office to develop the following hazard analysis for the Town of Parish. The tool used in this analysis was the software program, developed by the State Emergency Management Office, titled HAZNY (Hazards New York). This program allows planners to consider several factors that determine an area's vulnerability to a number of potential disasters.

2 Factors considered for each potential disaster

2.1 Scope

2.1.1 Potential area of impact

2.1.2 Cascade effect

2.2 Frequency

2.3 Impact

2.3.1 Impact on population

2.3.2 Impact on private property

2.3.3 Impact on public property

2.4 Onset

2.5 Duration

2.5.1 Hazard duration

2.5.2 Recovery duration

3 Vulnerability Rating

- 301 to 400 High hazard
- 201 to 300 Moderately high hazard
- 101 to 200 Moderately low hazard
- 44 to 100 Low hazard

HAZARD ANALYSIS RESULTS FOR THE TOWN OF AMBOY

HAZARD	RATING
TORNADO	280.17
WINTER STORM (SEVERE)	260.17
ICE STORM	254.5
FIRE	254.17
POWER FAILURE	246.17
TERRORISM	246.17
EARTHQUAKE	235.83
WILDFIRE	226.83
WINDSTORM	221.83
HAZMAT TRANSIT	203.5
TRANS ACCIDENT	187.5
RADIOLOGICAL FIXED	185.17
RADIOLOGICAL TRANSIT	183.17
FLOOD	180.17
DROUGHT	179.17
FUEL SHORTAGE	94.167

ADDITIONAL HAZARD ANALYSIS INFORMATION

1 Greatest impact hazard

-Windstorm
- Terrorism
- Tornado
- Power failure

2 Hazards with no warning

- Windstorm
- Tornado
- Winter storm (severe)
- Radiological (fixed site)
- Oil spill
- Hazardous materials (in transit)
- Wildfire
- Earthquake
- Transporation accident
- Terrorism
- Radiological (in transit)
- Power failure
- Ice storm
- Hazardous materials (fixed site)
- Fire
- Dam failure

3 Most frequent hazards

- Transportation accident
- Wildfire
- Power failure

City of Fulton

CITY OF FULTON

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

ATTACHMENT 1
HAZARD ANALYSIS

1 Introduction

Members of the City of Fulton Emergency Planning Committee worked with the Oswego County Emergency Management Office to develop the following hazard analysis for the City of Fulton. The tool used in this analysis was the software program, developed by the State Emergency Management Office, titled HAZNY (Hazards New York). This program allows planners to consider several factors that determine an area's vulnerability to a member of potential disasters.

2 Factors considered for each potential disaster

2.1 Scope

2.1.1 Potential area of impact

2.1.2 Cascade effect

2.2 Frequency

2.3 Impact

2.3.1 Impact on population

2.3.2 Impact on private property

2.3.3 Impact on public property

2.4 Onset

2.5 Duration

2.5.1 Hazard duration

2.5.2 Recovery duration

3 Vulnerability Rating

- 301 to 400 High hazard
- 201 to 300 Moderately high hazard
- 101 to 200 Moderately low hazard
- 44 to 100 Low hazard

HAZARD ANALYSIS RESULTS FOR THE CITY OF FULTON

HAZARD	RATING
TERRORISM	340.5
TORNADO	288.5
FIRE	277.83
ICE STORM	267.17
WINTER STORM (SEVERE)	243.83
STRUCTURAL COLLAPSE	241.83
HAZMAT TRANSIT	240.17
HAZMAT FIXED	239.5
LANDSLIDE	238.83
FLOOD	238.5
POWER FAILURE	236.17
EXPLOSION	235.17
TRANS ACCIDENT	233.5
EARTHQUAKE	219.17
RADIOLOGICAL FIXED	200.17
EXTREME TEMPS	193.83
INFESTATION	189.17
WATER SUPPLY FAILURE	188.17
ICE JAM	179.83
WINDSTORM	176.17
OIL SPILL	159.17
DAM FAILURE	152.17
RADIOLOGICAL TRANSIT	144.83
CIVIL UNREST	140.83
AIR CONTAMINATION	139.17
EPIDEMIC	101.17

ADDITIONAL HAZARD ANALYSIS INFORMATION

1 Greatest impact hazard

- Transportation accident
- Terrorism
- Radiological in transit
- Hazardous Materials at fixed site
- Explosion
- Tornado
- Structural collapse
- Hazardous materials in transit
- Fire
- Earthquake

2 Hazards with no warning

- Windstorm
- Transportation accident
- Terrorism
- Radiological in transit
- Power failure
- Civil unrest
- Hazardous materials in transit
- Flood
- Explosion
- Water supply failure
- Tornado
- Structural collapse
- Radiological fixed site
- Oil spill
- Landslide
- Hazardous materials at fixed site
- Fire
- Earthquake

3 Most frequent hazards

- Terrorism
- Infestation
- Flood
- Winter storm (severe)
- Ice storm

TABLE OF CONTENTS

Town of Granby

TOWN OF GRANBY

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

SECTION II
ATTACHMENT 1
HAZARD ANALYSIS

1 Introduction

Members of the Town of Granby Emergency Planning Committee worked with the Oswego County Emergency Management Office to develop the following hazard analysis for the Town of Granby. The tool used in this analysis was the software program, developed by the State Emergency Management Office, titled HAZNY (Hazards New York). This program allows planners to consider several factors that determine an area's vulnerability to a member of potential disasters.

2 Factors considered for each potential disaster

2.1 Scope

2.1.1 Potential area of impact

2.1.2 Cascade effect

2.2 Frequency

2.3 Impact

2.3.1 Impact on population

2.3.2 Impact on private property

2.3.3 Impact on public property

2.4 Onset

2.5 Duration

2.5.1 Hazard duration

2.5.2 Recovery duration

3 Vulnerability Rating

- 301 to 400 High hazard
- 201 to 300 Moderately high hazard
- 101 to 200 Moderately low hazard
- 44 to 100 Low hazard

HAZARD ANALYSIS RESULTS FOR THE TOWN OF GRANBY

HAZARD	RATING
HAZ-MAT TRANSIT	325.5
ICE STORM	287.17
TORNADO	280.17
WIND STORM	253.5
WILD FIRE	246.83
TERRORISM	244.5
STRUCTURAL COLLAPSE	239.5
RADIOLOGICAL - FIXED	225.17
WINTER STORM - SEVERE	220.5
POWER FAILURE	215.83
FIRE	214.17
HAZ-MAT FIXED	208.83
DAM FAILURE	197.5
CIVIL UNREST	195.17
FLOOD	190.17
DROUGHT	179.17
EARTHQUAKE	149.17
RADIOLOGICAL TRANSIT	149.17

ADDITIONAL HAZARD ANALYSIS INFORMATION

1 Greatest impact hazard

- Windstorm
- Radiological fixed site
- Hazardous material fixed site
- Dam failure
- Tornado
- Hazardous material in transit
- Fire

2 Hazards with no warning

- Windstorm
- Terrorism
- Radiological in transit
- Power failure
- Ice storm
- Hazardous material fixed site
- Fire
- Dam failure
- Tornado
- Structural collapse
- Radiological fixed site
- Civil unrest
- Hazardous material in transit
- Wild fire
- Earthquake

3 Most frequent hazards

- Ice storm
- Wild fire
- Hazardous material in transit

Town of Hannibal
Village of Hannibal

TOWN OF HANNIBAL
(IN COORDINATION WITH THE VILLAGE OF HANNIBAL)

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

SECTION II
Attachment 1

HAZARD ANALYSIS

HAZARD	HAZARD RATING
Explosion	281.0
Ice Storm	259.5
Fire	241.0
Tornado	234.2
Haz-Mat - Transit	228.8
Severe Storm	225.8
Earthquake	219.2
Flood	210.5
Terrorism	207.5
Transportation Accident	180.2
Oil Spill	178.5
Drought	161.5

ADDITIONAL HAZARD ANALYSIS INFORMATION

1 Greatest impact hazard

- Windstorm
- Terrorism
- Tornado
- Power failure

2 Hazards with no warning

- Transportation accident
- Tornado
- Winter storm (severe)
- Radiological (fixed site)
- Oil spill
- Hazardous materials (in transit)
- Earthquake
- Terrorism
- Radiological (in transit)
- Power failure
- Hazardous materials (fixed site)
- Fire
- Wildfire

3 Most frequent hazards

- Transportation accident
- Wild fire
- Power failure

Town of Hastings
Village of Central Square

TOWN OF HASTINGS
(IN COORDINATION WITH THE VILLAGE OF CENTRAL SQUARE)

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

ATTACHMENT 1
HAZARD ANALYSIS

1 Introduction

Members of the Hastings/Central Square Emergency Planning Committee worked with the Oswego County Emergency Management Office to develop the following hazard analysis for the Town of Hastings. The tool used in this analysis was the software program, developed by the State Emergency Management Office, titled HAZNY (Hazards New York). This program allows planners to consider several factors that determine an area's vulnerability to a number of potential disasters.

2 Factors considered for each potential disaster

2.1 Scope

2.1.1 Potential area of impact

2.1.2 Cascade effect

2.2 Frequency

2.3 Impact

2.3.1 Impact on population

2.3.2 Impact on private property

2.3.3 Impact on public property

2.4 Onset

2.5 Duration

2.5.1 Hazard duration

2.5.2 Recovery duration

3 Vulnerability Rating

- 301 to 400 High hazard
- 201 to 300 Moderately high hazard
- 101 to 200 Moderately low hazard
- 44 to 100 Low hazard

HAZARD ANALYSIS RESULTS FOR THE TOWN OF HASTINGS

HAZARD	RATING
TERRORISM	351.5
TORNADO	266.8
ICE STORM	354.5
SEVERE STORM (Wind)	348.8
FLOOD	305.5
WATER SUPPLY CONTAMINATION	253.2
WINTER STORM (SEVERE)	275.2
HAZMAT IN TRANSIT	272.8

ADDITIONAL HAZARD ANALYSIS INFORMATION

1 Greatest impact hazard

2 Hazards with no warning

3 Most frequent hazards

Town of Mexico
Village of Mexico

Town of Mexico/Village of Mexico
Hazard Analysis

Background

The Town of Mexico/Village of Mexico Emergency Planning Committee conducted a hazard analysis using the automated program, *HIRA-NY* (Hazard Identification and Risk Assessment New York) developed by the American Red Cross and the New York State Emergency Management Office (NYSEMO). This Hazard Analysis document is a key component in the process of creating a multi-hazard plan and will constitute a major section of your Multi-Hazard Mitigation Plan document; it forms the basis for our risk and vulnerability assessment. The results of this hazard analysis are presented in this report.

HIRA-NY evaluates five factors that are the cornerstones in the hazard analysis process. In considering these factors, it is also expected that the risk assessment components of the all-hazard mitigation planning process as outlined in 44 CFR Part 201, under which the hazard mitigation plan is being developed, will also be developed. The risk assessment process is required to identify all hazards that can impact a community and the profiling of the most prevalent hazards. Profiling hazard involves consideration of a) location, or geographic areas affected; b) extent or magnitude/severity; c) previous occurrences; and, d) probability of future occurrences. These five factors are:

1. Scope - This factor looks at two aspects: (1) What area or areas in your jurisdiction could be impacted by the hazard location and (2) What are the chances of the hazard triggering another hazard causing a cascade effect?

2. Onset - How much time is there between the initial recognition of an approaching hazard and when the hazard begins to impact the community? This is a very important factor because for some hazards (e.g., drought) ample warning time is available so that if plans and procedures have not been developed, there is still time to accomplish such. On the other hand, an earth quake could occur at any time without a warning and cause severe damage.

3. Impact - This factor involves the analysis of a hazard's impact extent to the community's infrastructure, private property, and people.

4. Duration (also an indicator of extent) - This factor is concerned with three durations: (1) How long does the hazard remain active? (2) How long do emergency operations continue after the hazard event? (3) How long does the recovery process take?

5. Frequency (past occurrences) - This factor indicates how often a hazard has resulted in an emergency or disaster; historical frequency can also be a prediction of how often a hazard will occur in the future (probability of future occurrences). Frequency is established by recording historical events and determining time intervals between each occurrence.

HIRA-NY and the Town of Mexico/Village of Mexico

HIRA-NY is an automated interactive spreadsheet that asks specific questions on potential hazards in a community and records and evaluates the responses to these questions. The selections made in HIRA-NY are based on information entered into preformatted Microsoft Excel worksheets recommended by FEMA and NYSEMO. *HIRA-NY* also includes historical and expert data on selected hazards. *HIRA-NY* is designed specifically for groups, rather than individual use. Mexico assembled a group of local officials to consider and discuss the questions and issues raised by the *HIRA-NY* program. Representatives from the Town of Mexico, Village of Mexico, and Mexico Fire Department facilitated the meeting and recorded the results.

The Results

The committee analyzed all hazards potentially affecting the town and village of Mexico. *HIRA-NY* rated each hazard based on the Group's assessment and assigned a numerical value.

These values are categorized as follows:

321 to 400 HIGH HAZARD
241 to 320 MODERATELY HIGH HAZARD
161 to 240 MODERATELY LOW HAZARD
44 to 160 LOW HAZARD

The committee rated the 15 hazards as follows:

Hazard	*Rating*
WINTER STORM (SEVERE)	290
ICE STORM	268
UTILITY FAILURE	262
TORNADO	248
WATER SUPPLY CONTAMINATION	245
FIRE	233
SEVERE THUNDERSTORM	232
SEVERE STORM	231
HAZMAT (IN TRANSIT)	230
EXPLOSION	218
RADIOLOGICAL (IN TRANSIT)	188
TERRORISM	184
EPIDEMIC	168

Hazard(s) rated as moderately high: WINTER STORM (SEVERE), ICE STORM, UTILITY FAILURE, TORNADO, WATER SUPPLY CONTAMINATION

WINTER STORM (SEVERE): 290, Moderately High Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Extreme Temps; Food Shortage; Fuel Shortage; Hazmat (In Transit); Oil Spill; Structural Collapse; Trans Accident; Utility Failure;
Frequency: A Frequent Event (Frequency identified)
Onset: One Day Warning
Hazard Duration: Four days to One Week
Recovery Time: More Than Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

ICE STORM: 268, Moderately High Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Fire; Fuel Shortage; Hazmat (In Transit); Oil Spill; Utility Failure;
Frequency: A Regular Event (Frequency identified)
Onset: Several Hours Warning
Hazard Duration: Two to Three Days
Recovery Time: More Than Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

UTILITY FAILURE: 262, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Fire; Fuel Shortage; Trans Accident;
Frequency: A Regular Event (Frequency identified)
Onset: No Warning
Hazard Duration: Four days to One Week
Recovery Time: Less Than One Day
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

TORNADO: 248, Moderately High Hazard

Potential Impact: Throughout a Small Region (Locations identified on map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Explosion; Fire; Structural Collapse; Trans Accident; Utility Failure;
Frequency: An Infrequent Event (Frequency identified)
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: More Than Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death to Large Numbers
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

WATER SUPPLY CONTAMINATION: 245, Moderately High Hazard

Potential Impact: Throughout a Small Region (Locations identified on map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Epidemic;
Frequency: An Infrequent Event (Frequency identified)
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: One to Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death to Large Numbers
- Little or No Damage to Private Property
- Moderate Structural Damage to Public Facilities

Hazard(s) rated as moderately low: FIRE, SEVERE THUNDERSTORM, SEVERE STORM, HAZMAT (IN TRANSIT), EXPLOSION, RADIOLOGICAL (IN TRANSIT), TERRORISM, EPIDEMIC

FIRE: 233, Moderately Low Hazard

Potential Impact: Several Locations (Locations identified on Map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Explosion; Hazmat (Fixed Site); Hazmat (In Transit); Radiological (In Transit); Structural Collapse; Utility Failure;
Frequency: A Regular Event (Frequency identified)
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: Three Days to One Week
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property

- Moderate Structural Damage to Public Facilities

SEVERE THUNDERSTORM: 232, Moderately Low Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Explosion; Fire; Structural Collapse; Tornado; Utility Failure;
Frequency: A Regular Event (Frequency identified)
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Days
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

SEVERE STORM: 231, Moderately Low Hazard

Potential Impact: Throughout a Small Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Fire; Structural Collapse; Utility Failure;
Frequency: A Regular Event (Frequency identified)
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

HAZMAT (IN TRANSIT): 230, Moderately Low Hazard

Potential Impact: Several Locations (Locations identified on Map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Explosion; Fire; Trans Accident; Utility Failure;
Frequency: A Regular Event (Frequency identified)
Onset: No Warning
Hazard Duration: One Day
Recovery Time: Three Days to One Week
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Little or No Damage to Private Property

- Moderate Structural Damage to Public Facilities

EXPLOSION: 218, Moderately Low Hazard

Potential Impact: Several Locations (Locations identified on Map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Fire; Hazmat (Fixed Site); Hazmat (In Transit); Structural Collapse; Trans Accident; Utility Failure;
Frequency: An Infrequent Event (Frequency identified)
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: More Than Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

RADIOLOGICAL (IN TRANSIT): 188, Moderately Low Hazard

Potential Impact: Several Locations (Locations identified on Map)
Cascade Effects: Highly Unlikely
Frequency: An Infrequent Event (Frequency identified)
Onset: No Warning
Hazard Duration: Four days to One Week
Recovery Time: One to Two Days
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

TERRORISM: 184, Moderately Low Hazard

Potential Impact: Several Locations (Locations identified on Map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Explosion; Fire; Structural Collapse; Trans Accident; Utility Failure;
Frequency: A Rare Event (Frequency identified)
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: More Than Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death to Large Numbers
- Little or No Damage to Private Property
- Moderate Structural Damage to Public Facilities

EPIDEMIC: 168, Moderately Low Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Food Shortage;
Frequency: A Rare Event (Frequency identified)
Onset: More Than One Week Warning
Hazard Duration: More Than One Week
Recovery Time: One to Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death to Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

*HAZARDS THAT OCCUR WITH NO WARNING**
UTILITY FAILURE
WATER SUPPLY CONTAMINATION
FIRE
HAZMAT (IN TRANSIT)
EXPLOSION
RADIOLOGICAL (IN TRANSIT)
TERRORISM

* No warning was selected from the Onset Tab.

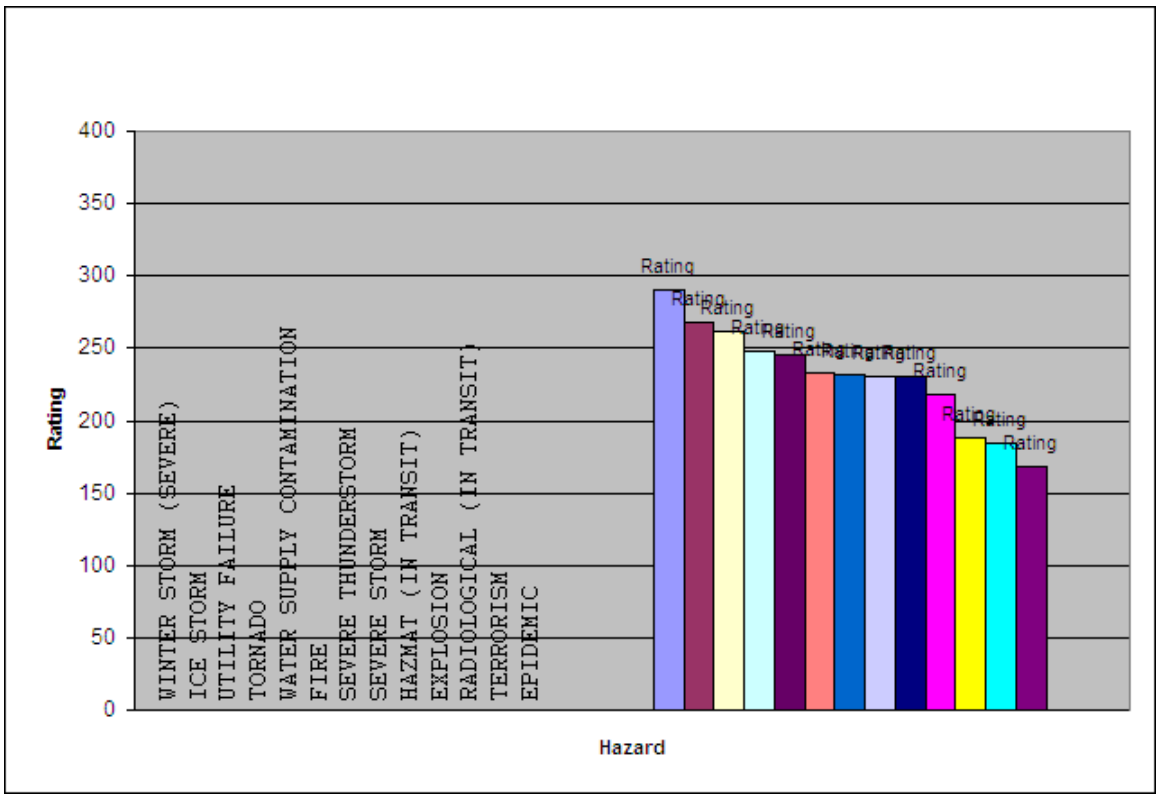
*HAZARDS THAT OCCUR MOST OFTEN**
WINTER STORM (SEVERE)

*A frequent event was selected on frequency Tab.

*HAZARDS THAT PRESENT THE GREATEST THREAT TO LIFE**
TORNADO
WATER SUPPLY CONTAMINATION
TERRORISM
EPIDEMIC

*Serious injury and death in large or extremely large numbers was selected from the Impact Tab.

Figure 1. Chart of Hazards vs. Ratings



Town of New Haven

TOWN OF NEW HAVEN

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

ATTACHMENT 1
HAZARD ANALYSIS

Background

The Town of New Haven Emergency Planning Committee conducted a hazard analysis using the automated program, *HAZNY* (Hazards New York). *HAZNY* was developed by the American Red Cross and the New York State Emergency Management Office.

The results of this hazard analysis are presented in this report.

HAZNY is an automated interactive spreadsheet that asks specific questions on potential hazards in a community and records and evaluates the responses to these questions. *HAZNY* also includes historical and expert data on selected hazards. *HAZNY* is designed specifically for groups, rather than individual use. The Town of New Haven Emergency Planning Committee assembled a group of local officials to consider and discuss the questions and issues raised by the *HAZNY* program. Representatives from the Oswego County Emergency Management Office facilitated the meeting and recorded the results.

The Results

The committee analyzed hazards potentially affecting the Town of New Haven. *HAZNY* rated each hazard based on the committee's assessment and assigned a numerical value.

These values are categorized as follows:

321 to 400 HIGH HAZARD
241 to 320 MODERATELY HIGH HAZARD
161 to 240 MODERATELY LOW HAZARD
44 to 160 LOW HAZARD

The committee rated the 14 hazards as follows:

Hazard	*Rating*
ICE STORM	285
EXPLOSION	274
TERRORISM	248
SEVERE STORM	244

SEVERE THUNDERSTORM	244
WILDFIRE	242
WINTER STORM (SEVERE)	238
HAZMAT IN TRANSIT	218
HAZMAT (FIXED SITE)	212
FIRE	199
RADIOLOGICAL (FIXED SITE)	198
UTILITY FAILURE	186
EXTREME TEMPS	174
EPIDEMIC	168

Hazard(s) rated as moderately high: ICE STORM, EXPLOSION, TERRORISM, SEVERE STORM, SEVERE THUNDERSTORM, WILDFIRE

ICE STORM: 285, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: Several Hours Warning
Hazard Duration: Two to Three Days
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Severe Structural Damage to Public Facilities

EXPLOSION: 274, Moderately High Hazard

Potential Impact: Throughout a Small Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death to Large Numbers
- Severe Damage to Private Property
- Moderate Structural Damage to Public Facilities

TERRORISM: 248, Moderately High Hazard

Potential Impact: Several Locations
Cascade Effects: Some Potential
Frequency: A Regular Event

Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death to Extremely Large Numbers
- Little or No Damage to Private Property
- Moderate Structural Damage to Public Facilities

SEVERE STORM: 244, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

SEVERE THUNDERSTORM: 244, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

WILDFIRE: 242, Moderately High Hazard

Potential Impact: Several Locations
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: Several Hours Warning
Hazard Duration: Four days to One Week
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Little or No Structural Damage to Public Facilities

Hazard(s) rated as moderately low: WINTER STORM (SEVERE), HAZMAT IN TRANSIT, HAZMAT (FIXED SITE), FIRE, RADIOLOGICAL (FIXED SITE), UTILITY FAILURE, EXTREME TEMPS, EPIDEMIC

WINTER STORM (SEVERE): 238, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: Several Days Warning
Hazard Duration: Four days to One Week
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

HAZMAT IN TRANSIT: 218, Moderately Low Hazard

Potential Impact: Throughout a Small Region
Cascade Effects: Some Potential
Frequency: An Infrequent Event
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

HAZMAT (FIXED SITE): 212, Moderately Low Hazard

Potential Impact: Several Locations
Cascade Effects: Some Potential
Frequency: An Infrequent Event
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

FIRE: 199, Moderately Low Hazard

Potential Impact: Several Locations
Cascade Effects: Some Potential
Frequency: An Infrequent Event
Onset: No Warning
Hazard Duration: One Day
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Little or No Structural Damage to Public Facilities

RADIOLOGICAL (FIXED SITE): 198, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Rare Event
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Moderate Structural Damage to Public Facilities

UTILITY FAILURE: 186, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Some Potential
Frequency: An Infrequent Event
Onset: No Warning
Hazard Duration: One Day
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death Unlikely
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

EXTREME TEMPS: 174, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Some Potential
Frequency: An Infrequent Event
Onset: Several Days Warning
Hazard Duration: Two to Three Days
Recovery Time: Three Days to One Week
Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

EPIDEMIC: 168, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Some Potential
Frequency: A Rare Event
Onset: More Than One Week Warning
Hazard Duration: More Than One Week
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death to Large Numbers
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

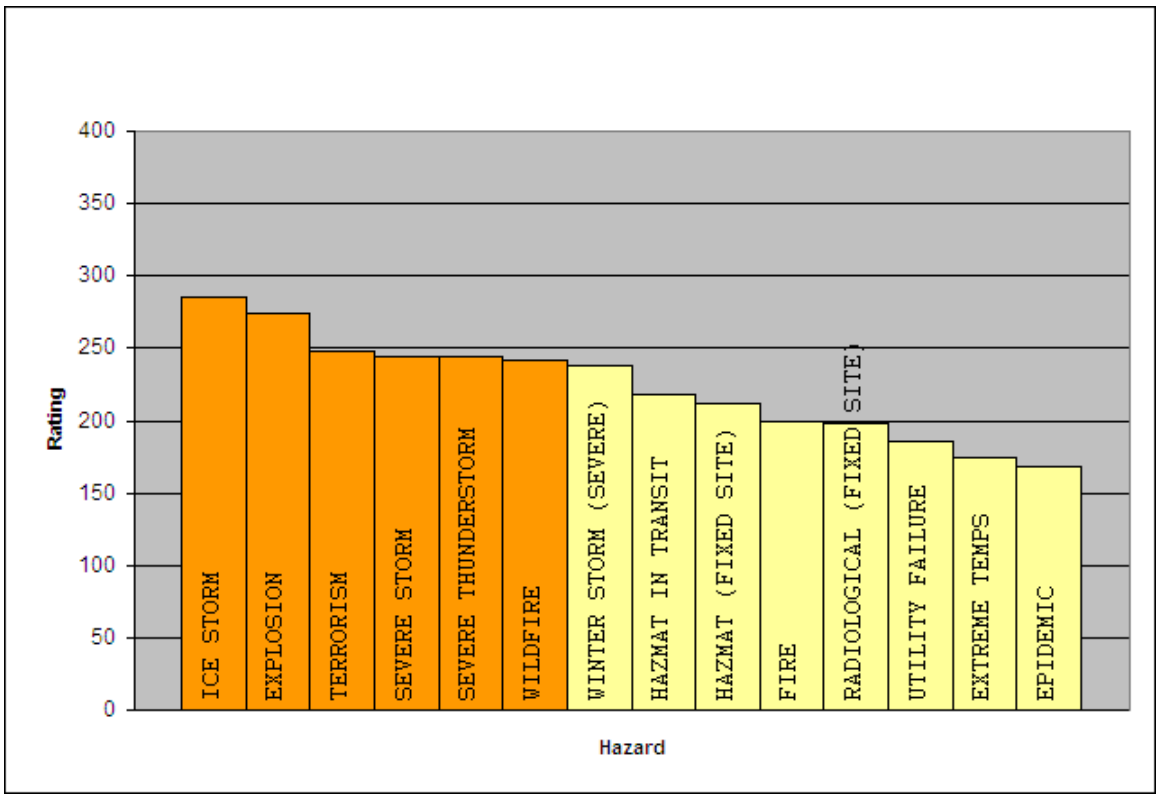
*HAZARDS THAT OCCUR WITH NO WARNING**
EXPLOSION
TERRORISM
HAZMAT IN TRANSIT
HAZMAT (FIXED SITE)
FIRE
UTILITY FAILURE

* No warning was selected from the Onset Tab.

*HAZARDS THAT PRESENT THE GREATEST THREAT TO LIFE**
EXPLOSION
TERRORISM
EPIDEMIC

*Serious injury and death in large or extremely large numbers was selected from the Impact Tab.

Figure 1. Chart of Hazards vs. Ratings



Town of Orwell

TOWN OF ORWELL

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

Section II
ATTACHMENT 1
HAZARD ANALYSIS

1 Introduction

Members of the Orwell Emergency Planning Committee worked with the Oswego County Emergency Management Office to develop the following hazard analysis for the Town of Orwell. The tool used in this analysis was the software program, developed by the State Emergency Management Office, titled HAZNY (Hazards New York). This program allows planners to consider several factors that determine an area's vulnerability to a number of potential disasters.

2 Factors considered for each potential disaster

- Scope
  - 2.1.1 Potential area of impact
  - 2.1.2 Cascade effect
- Frequency
- Impact
  - 2.3.1 Impact on population
  - 2.3.2 Impact on private property
  - 2.3.3 Impact on public property
- Onset
- Duration
  - 2.5.1 Hazard duration
  - 2.5.2 Recovery duration

3 Vulnerability Rating

- 301 to 400 High hazard
- 201 to 300 Moderately high hazard
- 101 to 200 Moderately low hazard
- 44 to 100 Low hazard

Town of Orwell Hazard Analysis

Rating	Hazard
366.5	Ice Storm
313.8	Severe Storm
313.2	Water Supply Contamination
312.8	Fire
294.8	Epidemic
272.8	Winter Storm (Severe)
261.8	HazMat (In Transit)
256.2	Terrorism
249.5	Tornado
245.5	Utility Failure
232.8	Wildfire
220.8	Dam Failure
203.5	Transportation Accident
188.2	Drought
153.8	Radiological Fixed

City of Oswego

CITY OF OSWEGO

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

ATTACHMENT 1
HAZARD ANALYSIS

1 Introduction

Members of the City of Oswego Emergency Planning Committee worked with the Oswego County Emergency Management Office to develop the following hazard analysis for the City of Oswego. The tool used in this analysis was the software program, developed by the State Emergency Management Office, titled HAZNY (Hazards New York). This program allows planners to consider several factors that determine an area's vulnerability to a member of potential disasters.

2 Factors considered for each potential disaster

2.1 Scope

2.1.1 Potential area of impact

2.1.2 Cascade effect

2.2 Frequency

2.3 Impact

2.3.1 Impact on population

2.3.2 Impact on private property

2.3.3 Impact on public property

2.4 Onset

2.5 Duration

2.5.1 Hazard duration

2.5.2 Recovery duration

3 Vulnerability Rating

- 301 to 400 High hazard
- 201 to 300 Moderately high hazard
- 101 to 200 Moderately low hazard
- 44 to 100 Low hazard

HAZARD ANALYSIS RESULTS FOR THE CITY OF OSWEGO

HAZARD	RATING
HAZARD TRANSIT	297.17
WINTER STORM (SEVERE)	274.5
STRUCTURAL COLLAPSE	272.83
POWER FAILURE	266.17
WILD FIRE	261.83
ICE STORM	260.5
WATER SUPPLY FAILURE	258.83
FIRE	258.83
HAZMAT FIXED	253.83
EXPLOSION	233.5
TORNADO	221.83
EARTHQUAKE	218.17
RADIOLOGICAL FIXED	208.5
WIND STORM	205.17
TRANSPORTATION ACCIDENT	204.17
EXTREME TEMPS	190.83
CIVIL UNREST	169.83
DAM FAILURE	161.5
TERRORISM	153.17
RADIOLOGICAL TRANSIT	107.17
FLOOD	89.167

ADDITIONAL HAZARD ANALYSIS INFORMATION

1 Greatest impact hazard

- Wind storm
- Tornado
- Structural collapse
- Radiological fixed site
- Ice storm
- Hazardous materials fixed site
- Fire
- Earthquake
- Transportation accident
- Terrorism
- Winter storm (severe)
- Civil unrest
- Hazardous material in transit
- Wildfire
- Explosion
- Dam failure

2 Hazards with no warning

- Water supply failure
- Terrorism
- Winter storm (severe)
- Radiological in transit
- Power failure
- Wildfire
- Hazardous materials in transit
- Dam failure
- Earthquake
- Transportation accident
- Tornado
  - Structural collapse
  - Radiological fixed site
- Civil unrest
- Fire
- Hazardous materials at fixed site
- Explosion

3 Most frequent hazards

- Water supply failure
- Fire

Town of Oswego

TOWN OF OSWEGO

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

SECTION II
ATTACHMENT 1
HAZARD ANALYSIS

1 Introduction

Members of the Town of Oswego Emergency Planning Committee worked with the Oswego County Emergency Management Office to develop the following hazard analysis for the Town of Oswego. The tool used in this analysis was the software program, developed by the State Emergency Management Office, titled HAZNY (Hazards New York). This program allows planners to consider several factors that determine an area's vulnerability to a member of potential disasters.

2 Factors considered for each potential disaster

2.1 Scope

2.1.1 Potential area of impact

2.1.2 Cascade effect

2.2 Frequency

2.3 Impact

2.3.1 Impact on population

2.3.2 Impact on private property

2.3.3 Impact on public property

2.4 Onset

2.5 Duration

2.5.1 Hazard duration

2.5.2 Recovery duration

3 Vulnerability Rating

- 301 to 400 High hazard
- 201 to 300 Moderately high hazard
- 101 to 200 Moderately low hazard
- 44 to 100 Low hazard

HAZARD ANALYSIS RESULTS FOR THE TOWN OF PALERMO

HAZARD	RATING
EPIDEMIC	294.83
EARTHQUAKE	288.5
TORNADO	286.83
HAZ-MAT TRANSIT	285.17
ICE STORM	279.5
HAZ-MAT FIXED	286.17
EXPLOSION	254.5
RADIOLOGICAL FIXED	246
TERRORISM	243.5
WINTER STORM (SEVERE)	232.17
FIRE	220.83
EXTREME TEMPS	210.5
POWER FAILURE	203.17
RADIOLOGICAL TRANSIT	201.83
CIVIL UNREST	191.5
TRANS ACCIDENT	187.5
OIL SPILL	185.17
DROUGHT	175.83
FLOOD	158.83
WATER SUPPLY FAILURE	155.83
BLIGHT	123.17

ADDITIONAL HAZARD ANALYSIS INFORMATION

1 Greatest impact hazard

- Tornado
- Radiological fixed site
- Ice storm
- Hazardous Materials at fixed site
- Extreme temps
- Earthquake
- Terrorism
- Epidemic
- Hazardous materials in transit
- Fire
- Explosion
- Drought

2 Hazards with no warning

- Water Supply Failure
- Tornado
- Radiological in transit
- Civil unrest
- Haz-Mat fixed site
- Oil Spill
- Earthquake
- Fire
- Trans accident
- Terrorism
- Radiological fixed sight
- Haz-Mat in transit
- Power Failure
- Explosion
- Epidemic

3 Most frequent hazards

- Winter Storm (Severe)
- Haz-Mat in transit

Town of Parish
Village of Parish

TOWN OF PARISH
(IN COORDINATION WITH THE VILLAGE OF PARISH)

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

ATTACHMENT 1
HAZARD ANALYSIS

1 Introduction

Members of the Parish Emergency Planning Committee worked with the Oswego County Emergency Management Office to develop the following hazard analysis for the Town of Parish. The tool used in this analysis was the software program, developed by the State Emergency Management Office, titled HAZNY (Hazards New York). This program allows planners to consider several factors that determine an area's vulnerability to a number of potential disasters.

2 Factors considered for each potential disaster

2.1 Scope

2.1.1 Potential area of impact

2.1.2 Cascade effect

2.2 Frequency

2.3 Impact

2.3.1 Impact on population

2.3.2 Impact on private property

2.3.3 Impact on public property

2.4 Onset

2.5 Duration

2.5.1 Hazard duration

2.5.2 Recovery duration

3 Vulnerability Rating

- 301 to 400 High hazard
- 201 to 300 Moderately high hazard
- 101 to 200 Moderately low hazard
- 44 to 100 Low hazard

HAZARD ANALYSIS RESULTS FOR THE TOWN OF PARISH

HAZARD	RATING
TERRORISM	285.33
TORNADO	263.5
ICE STORM	260.17
POWER FAILURE	255.17
WILDFIRE	244.5
TRANS ACCIDENT	240.17
WINDSTORM	225.17
WINTER STORM (SEVERE)	224.17
HAZMAT TRANSIT	216.83
OIL SPILL	210.17
EXTREME TEMPERATURES	202.17
RADIOLOGICAL FIXED	191.83
HAZMAT FIXED	183.17
EARTHQUAKE	179.17
DROUGHT	177.5
FIRE	168.17
RADIOLOGICAL TRANSIT	129.83
DAM FAILURE	102.83

ADDITIONAL HAZARD ANALYSIS INFORMATION

1 Greatest impact hazard

-Windstorm
- Terrorism
- Tornado
- Power failure

2 Hazards with no warning

- Windstorm
- Tornado
- Winter storm (severe)
- Radiological (fixed site)
- Oil spill
- Hazardous materials (in transit)
- Wildfire
- Earthquake
- Transporation accident
- Terrorism
- Radiological (in transit)
- Power failure
- Ice storm
- Hazardous materials (fixed site)
- Fire
- Dam failure

3 Most frequent hazards

- Transportation accident
- Wildfire
- Power failure

Town of Redfield

TOWN OF REDFIELD

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

SECTION II
ATTACHMENT 1

Town of Redfield Hazard Analysis

Rating	Hazard
371	Utility/Communication Failure
342	Winter Storm (severe)
292	Fire
278	Ice Storm
245	Wildfire/Drought
238	Severe Storm
237	Infrastructure Failure
234	Flood
220	Water Supply Contamination
170	Radiological Fixed
143	Hazmat (in transit)/Transport Accident

Town of Richland
Village of Pulaski

TOWN OF RICHLAND
VILLAGE OF PULASKI
COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

ATTACHMENT 1
TOWN OF RICHLAND/VILLAGE OF PULASKI
HAZARD ANALYSIS

Background

The Town of Richland/Village of Pulaski conducted a hazard analysis as part of the Comprehensive Emergency Management Plan, using the automated program, *HIRA-NY* (Hazard Identification and Risk Assessment New York) developed by the American Red Cross and the New York State Emergency Management Office (NYSEMO). This Hazard Analysis document is a key component in the process of creating a multi-hazard plan and will constitute a major section of your Multi-Hazard Mitigation Plan document; it forms the basis for our risk and vulnerability assessment. The results of this hazard analysis are presented in this report.

HIRA-NY evaluates five factors that are the cornerstones in the hazard analysis process. In considering these factors, it is also expected that the risk assessment components of the all-hazard mitigation planning process as outlined in 44 CFR Part 201, under which the hazard mitigation plan is being developed, will also be developed. The risk assessment process is required to identify all hazards that can impact a community and the profiling of the most prevalent hazards. Profiling hazard involves consideration of a) location, or geographic areas affected; b) extent or magnitude/severity; c) previous occurrences; and, d) probability of future occurrences. These five factors are:

1. Scope - This factor looks at two aspects: (1) What area or areas in your jurisdiction could be impacted by the hazard location and (2) What are the chances of the hazard triggering another hazard causing a cascade effect?

2. Onset - How much time is there between the initial recognition of an approaching hazard and when the hazard begins to impact the community? This is a very important factor because for some hazards (e.g., drought) ample warning time is available so that if plans and procedures have not been developed, there is still time to accomplish such. On the other hand, an earth quake could occur at any time without a warning and cause severe damage.

3. Impact - This factor involves the analysis of a hazard's impact extent to the community's infrastructure, private property, and people.

4. Duration (also an indicator of extent) - This factor is concerned with three durations: (1) How long does the hazard remain active? (2) How long do emergency operations continue after the hazard event? (3) How long does the recovery process take?

5. Frequency (past occurrences) - This factor indicates how often a hazard has resulted in an emergency or disaster; historical frequency can also be a prediction of how often a hazard will occur in the future (probability of future occurrences). Frequency is established by recording historical events and determining time intervals between each occurrence.

HIRA-NY is an automated interactive spreadsheet that asks specific questions on potential hazards in a community and records and evaluates the responses to these questions. The selections made in HIRA-NY are based on information entered into preformatted Microsoft Excel worksheets recommended by FEMA and NYSEMO. *HIRA-NY* also includes historical and expert data on selected hazards. *HIRA-NY* is designed specifically for groups, rather than individual use. Richland-Pulaski assembled a group of local officials to consider and discuss the questions and issues raised by the *HIRA-NY* program. Representatives from (Enter what agency facilitated the workshop) facilitated the meeting and recorded the results.

The Results

The emergency planning committee analyzed all hazards potentially affecting The Town of Richland/Village of Pulaski. *HIRA-NY* rated each hazard based on the Group's assessment and assigned a numerical value.

These values are categorized as follows:

321 to 400 HIGH HAZARD
241 to 320 MODERATELY HIGH HAZARD
161 to 240 MODERATELY LOW HAZARD
44 to 160 LOW HAZARD

The committee rated the 13 hazards as follows:

Hazard	Rating
FIRE	290
UTILITY FAILURE	289
TORNADO	268
HAZMAT (IN TRANSIT)	266
WINTER STORM (SEVERE)	261
EARTHQUAKE	251
ICE STORM	251
SEVERE THUNDERSTORM	238
WATER SUPPLY CONTAMINATION	233
TRANS ACCIDENT	232

FLOOD	230
DAM FAILURE	203
SEVERE STORM	202

Hazard(s) rated as moderately high: FIRE, UTILITY FAILURE, TORNADO, HAZMAT (IN TRANSIT), WINTER STORM (SEVERE), EARTHQUAKE, ICE STORM.

FIRE: 290, Moderately High Hazard

Potential Impact: Throughout a Small Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Air Contamination; Explosion; Structural Collapse;
Frequency: A Regular Event (Frequency identified)
Onset: No Warning
Hazard Duration: Four days to One Week
Recovery Time: One to Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Moderate Structural Damage to Public Facilities

UTILITY FAILURE: 289, Moderately High Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Explosion; Fire; Food Shortage; Fuel Shortage;
Frequency: A Regular Event (Frequency identified)
Onset: No Warning
Hazard Duration: Four days to One Week
Recovery Time: Three Days to One Week
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Little or No Structural Damage to Public Facilities

TORNADO: 268, Moderately High Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Fire; Food Shortage; Fuel Shortage; Hazmat (Fixed Site); Hazmat (In Transit); Structural Collapse; Utility Failure;

Frequency: An Infrequent Event (Frequency identified)
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: More Than Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death to Large Numbers
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

HAZMAT (IN TRANSIT): 266, Moderately High Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Air Contamination; Explosion; Fire; Water Supply Contamination;
Frequency: A Regular Event (Frequency identified)
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: One to Two Days
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

WINTER STORM (SEVERE): 261, Moderately High Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Fire; Flood; Food Shortage; Fuel Shortage; Ice Jam; Trans Accident;
Frequency: A Frequent Event (Frequency identified)
Onset: Several Hours Warning
Hazard Duration: Two to Three Days
Recovery Time: Less Than One Day
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

EARTHQUAKE: 251, Moderately High Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)

Dam Failure; Explosion; Fire; Flood; Food Shortage; Fuel Shortage; Hazmat (Fixed Site); Hazmat (In Transit); Landslide; Oil Spill; Structural Collapse; Utility Failure; Water Supply Contamination;

Frequency: A Rare Event (Frequency identified)
Onset: No Warning
Hazard Duration: Two to Three Days
Recovery Time: More Than Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

ICE STORM: 251, Moderately High Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Fire; Fuel Shortage; Structural Collapse; Trans Accident; Utility Failure;
Frequency: A Regular Event (Frequency identified)
Onset: Several Hours Warning
Hazard Duration: Two to Three Days
Recovery Time: One to Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

Hazard(s) rated as moderately low: SEVERE THUNDERSTORM, WATER SUPPLY CONTAMINATION, TRANS ACCIDENT, FLOOD, DAM FAILURE, SEVERE STORM.

SEVERE THUNDERSTORM: 238, Moderately Low Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Fire; Structural Collapse; Trans Accident; Utility Failure;
Frequency: A Regular Event (Frequency identified)
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: Three Days to One Week
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

WATER SUPPLY CONTAMINATION: 233, Moderately Low Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Epidemic;
Frequency: A Rare Event (Frequency identified)
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: Three Days to One Week
Impact(Detailed information indicated below):

- Serious Injury or Death to Large Numbers
- Little or No Damage to Private Property
- Severe Structural Damage to Public Facilities

TRANS ACCIDENT: 232, Moderately Low Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Explosion; Fire; Oil Spill;
Frequency: An Infrequent Event (Frequency identified)
Onset: No Warning
Hazard Duration: Four days to One Week
Recovery Time: One to Two Days
Impact(Detailed information indicated below):

- Serious Injury or Death to Large Numbers
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

FLOOD: 230, Moderately Low Hazard

Potential Impact: Throughout a Small Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Explosion; Hazmat (Fixed Site); Structural Collapse; Utility Failure; Water Supply Contamination;
Frequency: An Infrequent Event (Frequency identified)
Onset: Several Hours Warning

Hazard Duration: More Than One Week
Recovery Time: One to Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death Unlikely
- Severe Damage to Private Property
- Moderate Structural Damage to Public Facilities

DAM FAILURE: 203, Moderately Low Hazard

Potential Impact: Several Locations (Locations identified on Map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Explosion; Fire; Flood; Ice Jam; Landslide; Oil Spill; Structural Collapse; Utility Failure;
Frequency: A Rare Event (Frequency identified)
Onset: Several Hours Warning
Hazard Duration: Two to Three Days
Recovery Time: More Than Two Weeks
Impact(Detailed information indicated below):

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

SEVERE STORM: 202, Moderately Low Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Unlikely
Frequency: A Regular Event (Frequency identified)
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Days
Impact(Detailed information indicated below):

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

HAZARDS THAT OCCUR WITH NO WARNING*
FIRE
UTILITY FAILURE
HAZMAT (IN TRANSIT)
EARTHQUAKE
WATER SUPPLY CONTAMINATION
TRANS ACCIDENT

* No warning was selected from the onset tab.

HAZARDS THAT OCCUR MOST OFTEN*

WINTER STORM (SEVERE)

*A frequent event was selected on frequency tab.

HAZARDS THAT PRESENT THE GREATEST THREAT TO LIFE*

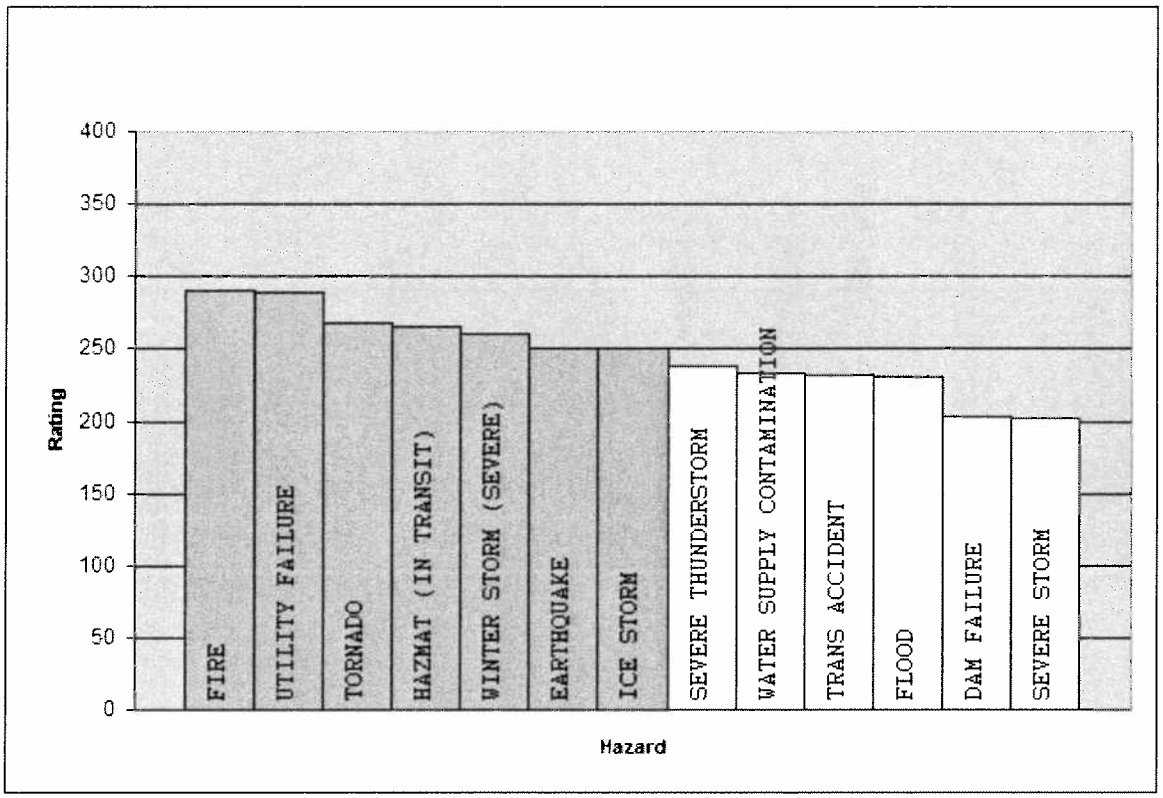
TORNADO

WATER SUPPLY CONTAMINATION

TRANS ACCIDENT

*Serious injury and death in large or extremely large numbers was selected from the Impact Tab.

Figure 1. Chart of Hazards vs. Ratings



Town of Sandy Creek
Village of Sandy Creek
Village of Lacona

TOWN OF SANDY CREEK
(IN COORDINATION WITH THE VILLAGES OF LACONA AND SANDY CREEK)

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

ATTACHMENT 1
HAZARD ANALYSIS

1 Introduction

Members of the Sandy Creek Emergency Planning Committee worked with the Oswego County Emergency Management Office to develop the following hazard analysis for the Town of Sandy Creek. The tool used in this analysis was the software program, developed by the State Emergency Management Office, titled HAZNY (Hazards New York). This program allows planners to consider several factors that determine an area's vulnerability to a number of potential disasters.

2 Factors considered for each potential disaster

2.1 Scope

2.1.1 Potential area of impact

2.1.2 Cascade effect

2.2 Frequency

2.3 Impact

2.3.1 Impact on population

2.3.2 Impact on private property

2.3.3 Impact on public property

2.4 Onset

2.5 Duration

2.5.1 Hazard duration

2.5.2 Recovery duration

3 Vulnerability Rating

- 301 to 400 High hazard
- 201 to 300 Moderately high hazard
- 101 to 200 Moderately low hazard
- 44 to 100 Low hazard

HAZARD ANALYSIS RESULTS FOR THE TOWN OF SANDY CREEK

HAZARD	RATING
TERRORISM	307.17
HAZMAT TRANSIT	299.5
ICE STORM	285.17
TORNADO	280.17
FIRE	279.5
WINTER STORM (SEVERE)	260.5
POWER FAILURE	252.83
HAZMAT FIXED	238.83
WINDSTORM	229.5
TRANS ACCIDENT	214.17
WATER SUPPLY FAILURE	206.83
STRUCTURAL COLLAPSE	203.5
EXPLOSION	203.5
WILDFIRE	191.5
EARTHQUAKE	187.5
RADIOLOGICAL FIXED	185.17
FLOOD	181.83
ICE JAM	175.17
EXTREME TEMPS	166.17
CIVIL UNREST	144.83
RADIOLOGICAL TRANSIT	143.83
DROUGHT	134.83
EPIDEMIC	121.83
FUEL SHORTAGE	118.17
FOOD SHORTAGE	117.17

ADDITIONAL HAZARD ANALYSIS INFORMATION

1 Greatest impact hazard

- Transportation accident
- Terrorism
- Civil unrest
- Hazardous materials (in transit)
- Fire
- Earthquake
- Tornado
- Power failure
- Ice storm
- Hazardous materials (fixed site)
- Explosion

2 Hazards with no warning

- Windstorm
- Tornado
- Structural collapse
- Radiological (fixed site)
- Civil unrest
- Hazardous materials (in transit)
- Wildfire
- Explosion
- Transporation accident
- Terrorism
- Radiological (in transit)
- Power failure
- Ice storm
- Hazardous materials (fixed site)
- Fire
- Earthquake

3 Most frequent hazards

- Terrorism
- Fire
- Winter storm (severe)

Town of Scriba

TOWN OF SCRIBA

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

ATTACHMENT 1
HAZARD ANALYSIS

Background

The Town of Scriba Emergency Planning Committee conducted a hazard analysis using the automated program, *HAZNY* (Hazards New York). *HAZNY* was developed by the American Red Cross and the New York State Emergency Management Office.

The results of this hazard analysis are presented in this report.

HAZNY is an automated interactive spreadsheet that asks specific questions on potential hazards in a community and records and evaluates the responses to these questions. *HAZNY* also includes historical and expert data on selected hazards. *HAZNY* is designed specifically for groups, rather than individual use. The Town of New Haven Emergency Planning Committee assembled a group of local officials to consider and discuss the questions and issues raised by the *HAZNY* program. Representatives from the Oswego County Emergency Management Office facilitated the meeting and recorded the results.

The Results

The committee analyzed hazards potentially affecting the Town of Scriba. *HAZNY* rated each hazard based on the committee's assessment and assigned a numerical value.

These values are categorized as follows:

321 to 400 HIGH HAZARD
241 to 320 MODERATELY HIGH HAZARD
161 to 240 MODERATELY LOW HAZARD
44 to 160 LOW HAZARD

The committee rated the 14 hazards as follows:

Hazard	*Rating*
ICE STORM	285
EXPLOSION	274
TERRORISM	248
SEVERE STORM	244

SEVERE THUNDERSTORM	244
WILDFIRE	242
WINTER STORM (SEVERE)	238
HAZMAT IN TRANSIT	218
HAZMAT (FIXED SITE)	212
FIRE	199
RADIOLOGICAL (FIXED SITE)	198
UTILITY FAILURE	186
EXTREME TEMPS	174
EPIDEMIC	168

Hazard(s) rated as moderately high: ICE STORM, EXPLOSION, TERRORISM, SEVERE STORM, SEVERE THUNDERSTORM, WILDFIRE

ICE STORM: 285, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: Several Hours Warning
Hazard Duration: Two to Three Days
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Severe Structural Damage to Public Facilities

EXPLOSION: 274, Moderately High Hazard

Potential Impact: Throughout a Small Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death to Large Numbers
- Severe Damage to Private Property
- Moderate Structural Damage to Public Facilities

TERRORISM: 248, Moderately High Hazard

Potential Impact: Several Locations
Cascade Effects: Some Potential
Frequency: A Regular Event

Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death to Extremely Large Numbers
- Little or No Damage to Private Property
- Moderate Structural Damage to Public Facilities

SEVERE STORM: 244, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

SEVERE THUNDERSTORM: 244, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

WILDFIRE: 242, Moderately High Hazard

Potential Impact: Several Locations
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: Several Hours Warning
Hazard Duration: Four days to One Week
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Little or No Structural Damage to Public Facilities

Hazard(s) rated as moderately low: WINTER STORM (SEVERE), HAZMAT IN TRANSIT, HAZMAT (FIXED SITE), FIRE, RADIOLOGICAL (FIXED SITE), UTILITY FAILURE, EXTREME TEMPS, EPIDEMIC

WINTER STORM (SEVERE): 238, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: Several Days Warning
Hazard Duration: Four days to One Week
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

HAZMAT IN TRANSIT: 218, Moderately Low Hazard

Potential Impact: Throughout a Small Region
Cascade Effects: Some Potential
Frequency: An Infrequent Event
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

HAZMAT (FIXED SITE): 212, Moderately Low Hazard

Potential Impact: Several Locations
Cascade Effects: Some Potential
Frequency: An Infrequent Event
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

FIRE: 199, Moderately Low Hazard

Potential Impact: Several Locations
Cascade Effects: Some Potential
Frequency: An Infrequent Event
Onset: No Warning
Hazard Duration: One Day
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Little or No Structural Damage to Public Facilities

RADIOLOGICAL (FIXED SITE): 198, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Rare Event
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Moderate Structural Damage to Public Facilities

UTILITY FAILURE: 186, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Some Potential
Frequency: An Infrequent Event
Onset: No Warning
Hazard Duration: One Day
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death Unlikely
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

EXTREME TEMPS: 174, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Some Potential
Frequency: An Infrequent Event
Onset: Several Days Warning
Hazard Duration: Two to Three Days
Recovery Time: Three Days to One Week
Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

EPIDEMIC: 168, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Some Potential
Frequency: A Rare Event
Onset: More Than One Week Warning
Hazard Duration: More Than One Week
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death to Large Numbers
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

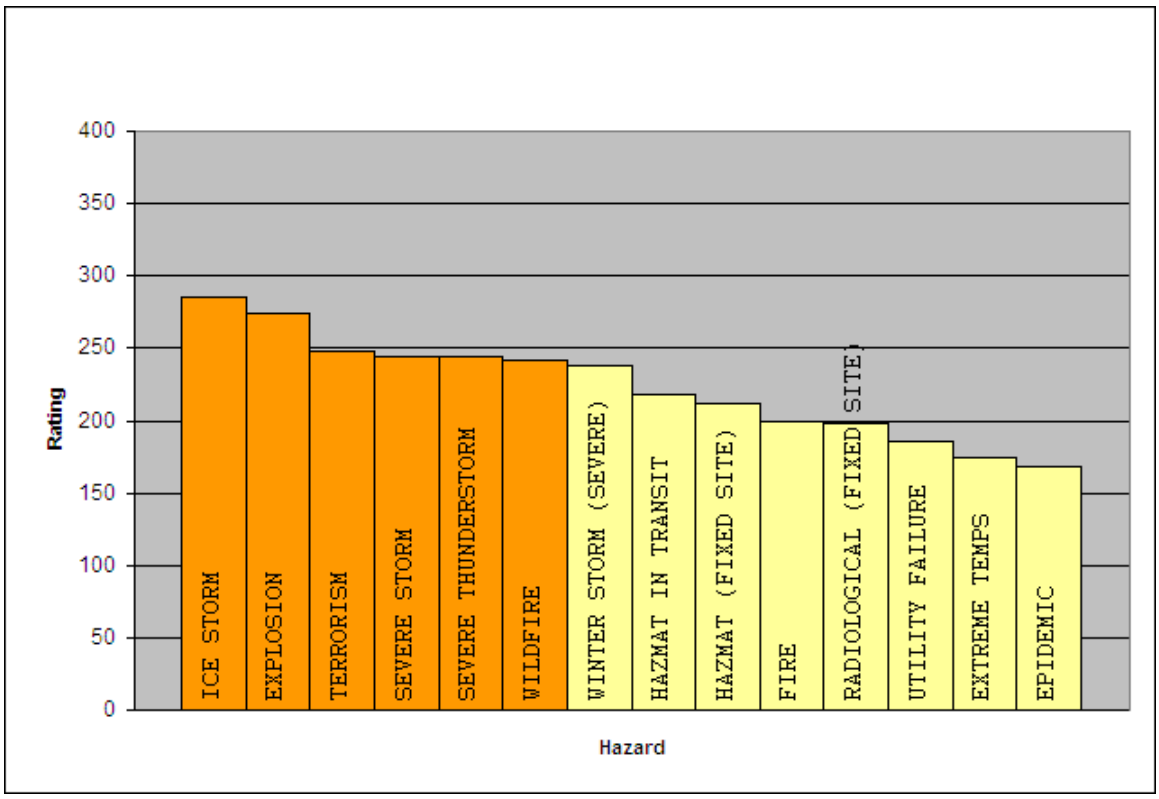
*HAZARDS THAT OCCUR WITH NO WARNING**
EXPLOSION
TERRORISM
HAZMAT IN TRANSIT
HAZMAT (FIXED SITE)
FIRE
UTILITY FAILURE

* No warning was selected from the Onset Tab.

*HAZARDS THAT PRESENT THE GREATEST THREAT TO LIFE**
EXPLOSION
TERRORISM
EPIDEMIC

*Serious injury and death in large or extremely large numbers was selected from the Impact Tab.

Figure 1. Chart of Hazards vs. Ratings



Town of Volney

TOWN OF VOLNEY
COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

SECTION II
ATTACHMENT 1
HAZARD ANALYSIS

Background

As part of its development of a Comprehensive Emergency Management Plan, the Town of Volney's Emergency Management Committee conducted a hazard analysis using the automated program, *HIRA-NY* (Hazard Identification and Risk Assessment New York) developed by the American Red Cross and the New York State Emergency Management Office (NYSEMO). The results of this hazard analysis are presented in this report.

HIRA-NY evaluates five factors that are the cornerstones in the hazard analysis process. In considering these factors, it is also expected that the risk assessment components of the all-hazard mitigation planning process as outlined in 44 CFR Part 201, under which the hazard mitigation plan is being developed, will also be developed. The risk assessment process is required to identify all hazards that can impact a community and the profiling of the most prevalent hazards. Profiling hazard involves consideration of a) location, or geographic areas affected; b) extent or magnitude/severity; c) previous occurrences; and, d) probability of future occurrences. These five factors are:

1. Scope - This factor looks at two aspects: (1) What area or areas in your jurisdiction could be impacted by the hazard location and (2) What are the chances of the hazard triggering another hazard causing a cascade effect?

2. Onset - How much time is there between the initial recognition of an approaching hazard and when the hazard begins to impact the community? This is a very important factor because for some hazards (e.g., drought) ample warning time is available so that if plans and procedures have not been developed, there is still time to accomplish such. On the other hand, an earth quake could occur at any time without a warning and cause severe damage.

3. Impact - This factor involves the analysis of a hazard's impact extent to the community's infrastructure, private property, and people.

4. Duration (also an indicator of extent) - This factor is concerned with three durations: (1) How long does the hazard remain active? (2) How long do emergency operations continue after the hazard event? (3) How long does the recovery process take?

5. Frequency (past occurrences) - This factor indicates how often a hazard has resulted in an emergency or disaster; historical frequency can also be a prediction of how often a hazard will occur in the future (probability of future occurrences). Frequency is

established by recording historical events and determining time intervals between each occurrence.

HIRA-NY and Town of Volney

HIRA-NY is an automated interactive spreadsheet that asks specific questions on potential hazards in a community and records and evaluates the responses to these questions. The selections made in HIRA-NY are based on information entered into preformatted Microsoft Excel worksheets recommended by FEMA and NYSEMO. *HIRA-NY* also includes historical and expert data on selected hazards. *HIRA-NY* is designed specifically for groups, rather than individual use. The Town of Volney assembled a group of local officials to consider and discuss the questions and issues raised by the *HIRA-NY* program. Representatives from the Oswego County Emergency Management Office facilitated the meeting and recorded the results.

The Results

The group analyzed all hazards potentially affecting the Town of Volney. *HIRA-NY* rated each hazard based on the group's assessment and assigned a numerical value.

These values are categorized as follows:

321 to 400 HIGH HAZARD
241 to 320 MODERATELY HIGH HAZARD
161 to 240 MODERATELY LOW HAZARD
44 to 160 LOW HAZARD

The group rated the 13 hazards as follows:

Hazard	*Rating*
HAZMAT (IN TRANSIT)	280
ICE STORM	271
WINTER STORM (SEVERE)	265
FIRE	256
TRANS ACCIDENT	256
SEVERE STORM	244
EXPLOSION	237
STRUCTURAL COLLAPSE	210
SEVERE THUNDERSTORM	208
UTILITY FAILURE	188
FLOOD	160
WILDFIRE	152
HAZMAT (FIXED SITE)	149

Hazard(s) rated as moderately high: HAZMAT (IN TRANSIT), ICE STORM, WINTER STORM (SEVERE), FIRE, TRANS ACCIDENT, SEVERE STORM

HAZMAT (IN TRANSIT): 280, Moderately High Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Air Contamination; Civil Unrest; Explosion; Fire; Oil Spill; Trans Accident; Water Supply Contamination;
Frequency: A Regular Event (Frequency identified)
Onset: No Warning
Hazard Duration: Two to Three Days
Recovery Time: One to Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

ICE STORM: 271, Moderately High Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Fire; Fuel Shortage; Structural Collapse; Trans Accident; Utility Failure;
Frequency: A Regular Event (Frequency identified)
Onset: One Day Warning
Hazard Duration: Two to Three Days
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Moderate Structural Damage to Public Facilities

WINTER STORM (SEVERE): 265, Moderately High Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Fire; Structural Collapse; Trans Accident; Utility Failure;
Frequency: A Frequent Event (Frequency identified)
Onset: Several Days Warning
Hazard Duration: Four days to One Week
Recovery Time: One to Two Weeks

Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

FIRE: 256, Moderately High Hazard

Potential Impact: Several Locations (Locations identified on Map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Air Contamination; Explosion; Structural Collapse;
Frequency: A Regular Event (Frequency identified)
Onset: No Warning
Hazard Duration: One Day
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Moderate Structural Damage to Public Facilities

TRANSPORTATION ACCIDENT: 256, Moderately High Hazard

Potential Impact: Several Locations (Locations identified on Map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Explosion; Fire; Oil Spill;
Frequency: A Regular Event (Frequency identified)
Onset: No Warning
Hazard Duration: One Day
Recovery Time: Three Days to One Week
Impact:

- Serious Injury or Death to Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

SEVERE STORM: 244, Moderately High Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Fire; Structural Collapse; Trans Accident; Utility Failure;
Frequency: A Regular Event (Frequency identified)
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

Hazard(s) rated as moderately low: EXPLOSION, STRUCTURAL COLLAPSE, SEVERE THUNDERSTORM, UTILITY FAILURE

EXPLOSION: 237, Moderately Low Hazard

Potential Impact: Several Locations (Locations identified on Map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Fire; Hazmat (Fixed Site); Structural Collapse;
Frequency: An Infrequent Event (Frequency identified)
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: Three Days to One Week
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

STRUCTURAL COLLAPSE: 210, Moderately Low Hazard

Potential Impact: Several Locations (Locations identified on Map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Explosion; Fire; Hazmat (Fixed Site);
Frequency: A Regular Event (Frequency identified)
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

SEVERE THUNDERSTORM: 208, Moderately Low Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Highly Likely (Cascading hazards identified and mapped)
Flood; Structural Collapse; Tornado; Utility Failure;
Frequency: A Regular Event (Frequency identified)

Onset: One Day Warning
Hazard Duration: Less Than One Day
Recovery Time: Three Days to One Week
Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

UTILITY FAILURE: 188, Moderately Low Hazard

Potential Impact: Throughout a Large Region (Locations identified on map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Explosion; Fire; Food Shortage; Fuel Shortage;
Frequency: An Infrequent Event (Frequency identified)
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

Hazard(s) rated as low: FLOOD, WILDFIRE, HAZMAT (FIXED SITE)

FLOOD: 160, Low Hazard

Potential Impact: Several Locations (Locations identified on Map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Explosion; Hazmat (Fixed Site); Structural Collapse; Utility Failure; Water Supply Contamination;
Frequency: An Infrequent Event (Frequency identified)
Onset: One Day Warning
Hazard Duration: Two to Three Days
Recovery Time: Three Days to One Week
Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

WILDFIRE: 152, Low Hazard

Potential Impact: Throughout a Small Region (Locations identified on map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)

Air Contamination; Hazmat (Fixed Site); Structural Collapse; Water Supply Contamination;

Frequency: A Rare Event (Frequency identified)
Onset: No Warning
Hazard Duration: Two to Three Days
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death Unlikely
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

HAZMAT (FIXED SITE): 149, Low Hazard

Potential Impact: Single Location (Locations identified on Map)
Cascade Effects: Some Potential (Cascading hazards identified and mapped)
Explosion; Structural Collapse;
Frequency: A Rare Event (Frequency identified)
Onset: No Warning
Hazard Duration: Two to Three Days
Recovery Time: Three Days to One Week
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

HAZARDS THAT OCCUR WITH NO WARNING*
HAZMAT (IN TRANSIT)
FIRE
TRANS ACCIDENT
EXPLOSION
STRUCTURAL COLLAPSE
UTILITY FAILURE
WILDFIRE
HAZMAT (FIXED SITE)

- No warning was selected from the Onset Tab.

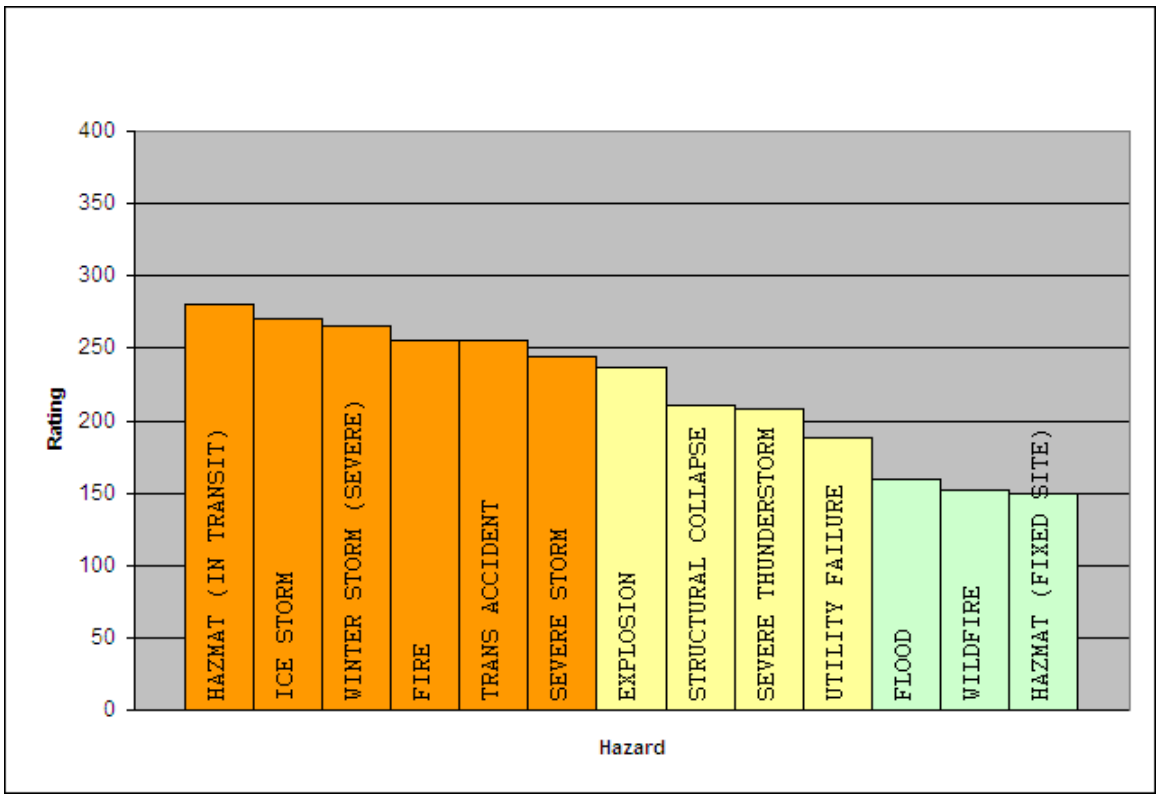
HAZARDS THAT OCCUR MOST OFTEN*
WINTER STORM (SEVERE)

*A frequent event was selected on frequency Tab.

HAZARDS THAT PRESENT THE GREATEST THREAT TO LIFE*
TRANS ACCIDENT

*Serious injury and death in large or extremely large numbers was selected from the Impact Tab.

Figure 1. Chart of Hazards vs. Ratings



Town of West Monroe

TOWN OF WEST MONROE
HAZARD ANALYSIS

Background

The Town of WEST MONROE conducted a hazard analysis using the automated program, *HAZNY* (Hazards New York). *HAZNY* was developed by the American Red Cross and the New York State Emergency Management Office.

The results of this hazard analysis are presented in this report.

HAZNY and the Town of WEST MONROE

HAZNY is an automated interactive spreadsheet that asks specific questions on potential hazards in a community and records and evaluates the responses to these questions. *HAZNY* also includes historical and expert data on selected hazards. *HAZNY* is designed specifically for groups, rather than individual use. WEST MONROE assembled a group of local officials to consider and discuss the questions and issues raised by the *HAZNY* program. Representatives from (Enter what agency facilitated the workshop) facilitated the meeting and recorded the results.

The Results

The Group analyzed hazards potentially affecting WEST MONROE. *HAZNY* rated each hazard based on the Group's assessment and assigned a numerical value.

These values are categorized as follows:

321 to 400 HIGH HAZARD
241 to 320 MODERATELY HIGH HAZARD
161 to 240 MODERATELY LOW HAZARD
44 to 160 LOW HAZARD

The Group rated the 10 hazards as follows:

Hazard	*Rating*
WINTER STORM (SEVERE)	320
ICE STORM	293
FIRE	288
SEVERE STORM	266
UTILITY FAILURE	264
TIRE YARD	263

HAZMAT FIXED/EXPLOSION	244
FLOOD	215
TRANS ACCIDENT	166
HAZMAT/RADIOLOGICAL TRANSIT	143

Hazard(s) rated as moderately high: WINTER STORM (SEVERE), ICE STORM, FIRE, SEVERE STORM, UTILITY FAILURE, TIRE YARD, HAZMAT FIXED/EXPLOSION

WINTER STORM (SEVERE): 320, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Some Potential
Frequency: A Frequent Event
Onset: Several Hours Warning
Hazard Duration: Four days to One Week
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Moderate Structural Damage to Public Facilities

ICE STORM: 293, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: Several Hours Warning
Hazard Duration: One Day
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

FIRE: 288, Moderately High Hazard

Potential Impact: Several Locations
Cascade Effects: Some Potential
Frequency: A Frequent Event
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death to Large Numbers

- Severe Damage to Private Property
- Little or No Structural Damage to Public Facilities

SEVERE STORM: 266, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Frequent Event
Onset: Several Hours Warning
Hazard Duration: Less Than One Day
Recovery Time: Three Days to One Week
Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

UTILITY FAILURE: 264, Moderately High Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

TIRE YARD: 263, Moderately High Hazard

Potential Impact: Single Location
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

HAZMAT FIXED/EXPLOSION: 244, Moderately High Hazard

Potential Impact: Several Locations
Cascade Effects: Highly Likely
Frequency: A Rare Event
Onset: No Warning
Hazard Duration: Four days to One Week
Recovery Time: One to Two Weeks
Impact:

- Serious Injury or Death to Large Numbers
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

Hazard(s) rated as moderately low: FLOOD, TRANS ACCIDENT

FLOOD: 215, Moderately Low Hazard

Potential Impact: Throughout a Small Region
Cascade Effects: Some Potential
Frequency: A Regular Event
Onset: Several Days Warning
Hazard Duration: More Than One Week
Recovery Time: One to Two Weeks
Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

TRANS ACCIDENT: 166, Moderately Low Hazard

Potential Impact: Single Location
Cascade Effects: Some Potential
Frequency: An Infrequent Event
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

Hazard(s) rated as low: HAZMAT/RADIOLOGICAL TRANSIT

HAZMAT/RADIOLOGICAL TRANSIT: 143, Low Hazard

Potential Impact: Single Location
Cascade Effects: Highly Likely
Frequency: A Rare Event
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

*HAZARDS THAT OCCUR WITH NO WARNING**
FIRE
UTILITY FAILURE
TIRE YARD
HAZMAT FIXED/EXPLOSION
TRANS ACCIDENT
HAZMAT/RADIOLOGICAL TRANSIT

* No warning was selected from the Onset Tab.

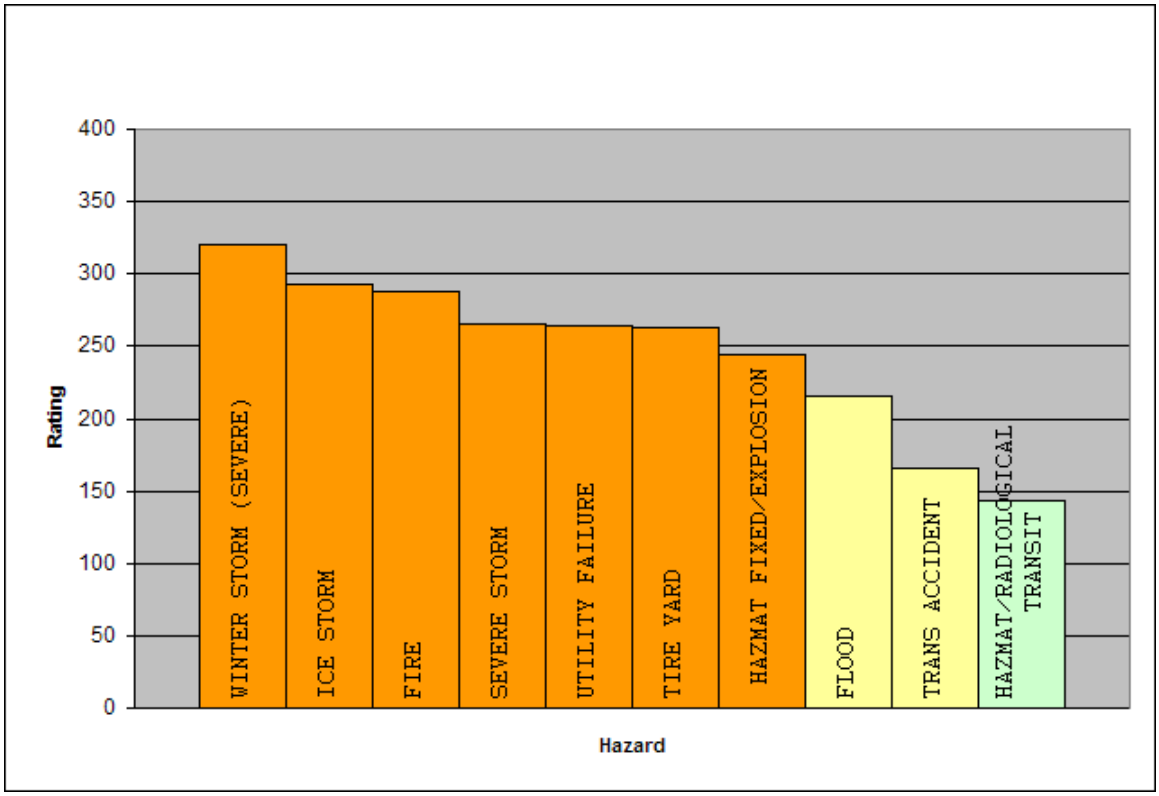
*HAZARDS THAT OCCUR MOST OFTEN**
WINTER STORM (SEVERE)
FIRE
SEVERE STORM

*A frequent event was selected on frequency Tab.

*HAZARDS THAT PRESENT THE GREATEST THREAT TO LIFE**
FIRE
HAZMAT FIXED/EXPLOSION

*Serious injury and death in large or extremely large numbers was selected from the Impact Tab.

Figure 1. Chart of Hazards vs. Ratings



Oswego County

Oswego County

Hazard Analysis

Facilitated by NYSEMO Region IV
May 29, 2009

Final report June 30, 2010

Oswego County
Hazard Analysis

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Background

Representatives of county departments and agencies throughout Oswego County conducted a hazard analysis on May 29, 2009 using the automated program, *HIRA-NY* (Hazard Identification and Risk Assessment New York) developed by the American Red Cross and the New York State Emergency Management Office (NYSEMO). This Hazard Analysis document is a key component in the process of creating a multi-hazard plan and will constitute a major section of the Oswego County Multi-Jurisdictional, Multi-Hazard Mitigation Plan document as it forms the basis for the county's risk and vulnerability assessment. This report builds on the results of the hazard analysis discussion by the Oswego County Risk Assessment Group on May 29 to present a more complete picture of the risks Oswego County faces, incorporating disaster records from Oswego County and New York State; information included in the HIRA-NY Help Program files; and information compiled from records held by the National Weather Service and the National Climactic Data Center.

Information compiled from the National Climactic Data Center (NCDC) is subjected to the NCDC's disclaimer that while the National Weather Service makes an effort to use the best available information to document the occurrence of storms and other significant weather data, some information may be unverified. To estimate damage amounts, the NWS makes a best guess using all available data, and property and crop damages listed for individual storms are considered a broad estimate. NCDC data used in this report is listed as such.

HIRA-NY evaluates five factors that are the cornerstones in the hazard analysis process. In considering these factors, it is also expected that the risk assessment components of the all-hazard mitigation planning process as outlined in 44 CFR Part 201, under which the hazard mitigation plan is being developed, will also be developed. The risk assessment process is required to identify all hazards that can impact a community and the profiling of the most prevalent hazards. Profiling hazard involves consideration of a) location, or geographic areas affected; b) extent or magnitude/severity; c) previous occurrences; and, d) probability of future occurrences. These five factors are:

1. Scope - This factor looks at two aspects: (1) What area or areas in your jurisdiction could be impacted by the hazard location and (2) What are the chances of the hazard triggering another hazard causing a cascade effect?

2. Onset - How much time is there between the initial recognition of an approaching hazard and when the hazard begins to impact the community? This is a very important factor because for some hazards (e.g., drought) ample warning time is available so that if plans and procedures have not been developed, there is still time to accomplish such. On the other hand, an earth quake could occur at any time without a warning and cause severe damage.

3. Impact - This factor involves the analysis of a hazard's impact extent to the community's infrastructure, private property, and people.

4. Duration (also an indicator of extent) - This factor is concerned with three durations: (1) How long does the hazard remain active? (2) How long do emergency operations continue after the hazard event? (3) How long does the recovery process take?

5. Frequency (past occurrences) - This factor indicates how often a hazard has resulted in an emergency or disaster; historical frequency can also be a prediction of how often a hazard will occur in the future (probability of future occurrences). Frequency is established by recording historical events and determining time intervals between each occurrence.

HIRA-NY and Oswego County

HIRA-NY is an automated interactive spreadsheet that asks specific questions on potential hazards in a community and records and evaluates the responses to these questions. The selections made in HIRA-NY are based on information entered into preformatted Microsoft Excel worksheets recommended by FEMA and NYSEMO. *HIRA-NY* also includes historical and expert data on selected hazards. *HIRA-NY* is designed specifically for groups, rather than individual use.

Oswego County assembled a group of local officials to consider and discuss the questions and issues raised by the *HIRA-NY* program (a list is attached to this report). Representatives from the New York State Emergency Management Office Region IV facilitated the meeting and recorded the results.

A list of participants is attached at the end of this report.

Oswego County's Results

The Oswego County Risk Assessment Group (the representatives of county departments and others attending the May 29 session) analyzed all hazards potentially affecting Oswego County. *HIRA-NY* rated each hazard based on the group's assessment and assigned a numerical value.

These values are categorized as follows:

321 to 400 – High Hazard
241 to 320 – Moderately High Hazard
161 to 240- Moderately Low Hazard
44 to 160 – Low Hazard

The Risk Assessment Group rated 20 hazards as follows:

Hazard	*Rating*
SEVERE STORM	289
ICE STORM	257
UTILITY FAILURE	254
EARTHQUAKE	246
HAZMAT (IN TRANSIT)	242
TERRORISM	239
TORNADO	237
FLOOD	234
DAM FAILURE	232
FIRE	223
WILDFIRE	217
WINTER STORM (SEVERE)	208
EPIDEMIC	204

HAZMAT (FIXED SITE)	204
ICE JAM	204
COSTAL STORM	203
EXTREME TEMPS	190
LANDSLIDE	171
DROUGHT	164
RADIOLOGICAL (FIXED SITE)	145

The findings of the Risk Assessment Group regarding individual hazards follow.

Moderately High Hazards

Hazard(s) that were rated as moderately high include severe storm, ice storm, utility failure, earthquake, and hazmat (in transit).

SEVERE STORM: 289, Moderately High Hazard

Potential Impact: Throughout a large region
Cascade Effects: Some potential
Cascading hazards include: fire; flood; landslide; structural collapse; transportation accident; utility failure
Frequency: A frequent event
Onset: No warning
Hazard Duration: Less than one day
Recovery Time: Three days to one week
Impact:

- Serious injury or death is likely, but not in large numbers
- Moderate damage to private property
- Moderate structural damage to public facilities

Risk Assessment Discussion

This hazard could occur in any location throughout Oswego County but would likely affect several individual locations in a single instance. Serious injury or death is likely due to motor vehicle accidents, wind damage, or associated cascading effects, but not in large numbers. A severe storm would likely affect a portion of the county, resulting in moderate damage to private property and to public facilities.

For this assessment, the county's Risk Assessment Group included severe thunderstorms and high wind events within the severe storm description.

Hazard Description:

Severe storms as defined by HIRA-NY in the version used by the county Risk Assessment Group during its analysis include hail storms, windstorms, and severe thunderstorms (with associated severe wind events such as derechos, gustnados, and downbursts). The National Weather Service definition defines a severe thunderstorm storm as one with a tornado, surface

hail ¾" or greater, or wind gusts 50 knots (58 mph) or greater, or all three. Severe thunderstorms can cause damage from wind, hail, heavy rainfall, and/or lightning strikes.

Geographic Location/Area(s) Affected:

While a severe storm might affect only a portion of the county depending on its size and duration, such a storm can occur anywhere in the county.

Historical Description of Previous Occurrences:

Severe thunderstorms including derechos have occurred in the county but not to the extent of requiring a Presidential Declaration of Disaster.

In June 2008 a derecho struck the shoreline of Lake Ontario, requiring a state of local emergency in the Town of Sandy Creek/Villages of Sandy Creek and Lacona. Damage included a power outage for several days and downed trees and wires blocking roads. Along the shore of Lake Ontario, a golf course lost a number of trees and numerous summer camps, including trailers at a local resort, were damaged. The Labor Day Storm of 1998 across New York State struck the Village of Phoenix, resulting in a local declaration of State of Emergency and causing a power outage and damage from downed trees and wires.

On June 26, 2002, the chairman of the Oswego County Legislature declared a county state of emergency due to severe weather that caused downed trees and power lines from Fulton to Redfield.

According to the National Climatic Data Center, 191 Thunderstorm and High Wind events were recorded between 1950 and May 31, 2009. Some of the more significant events include:

- 5/16/2009, thunderstorms with strong damaging winds traveled from Hinmansville to Williamstown, causing an estimated $10,000 in property damage.
- 9/15, 2008, high wind (remnants of Hurricane Ike) – winds clocked at 57 knots; storm surge estimated between 10 to 12 feet at east end of Lake Ontario, 2 sailboats sunk in Oswego Harbor. NCDC estimates $250,000 in property damage associated with this storm.
- 6/10/2008, a line of severe thunderstorms with high wind traveled across the Finger Lakes into Oswego County. The storms produced hail up to ¾ inch in diameter and wind gusts estimated to near 70 mph. The storms cut power for several communities through the evening. Phoenix, Oswego and Sandy Pond were hit, with the greatest damage in Sandy Pond and the Town of Sandy Creek. The Town of Sandy Creek declared a local state of emergency. The NCDC estimates a total of $220,000 in property damage.
- 11/13/2003, strong damaging winds across southern Lake Ontario toppled a 165-foot cellular telephone tower and blew off roofs in Oswego.
- 8/3/2003, a thunderstorm downburst overturned three small, private planes at the Oswego County Airport near Fulton. Trees and power lines were downed in Fulton and Volney, and in Granby the winds tore a roof off a house. The NCDC estimates property damage at $250,000.
- 9/7/1998, the Labor Day Storm that traveled across New York State struck the southern end of Oswego County. The derecho caused a power outage and damage in and surrounding the village of Phoenix.

Probability of Future Events

Severe storms occur in the county more than once a year. The probably of a future event is high.

Cascading Effects:

This hazard could cause fire, flood, landslide, utility failure, structural collapse, and transportation accidents. A flood could include a dam failure.

Vulnerability Assessment Discussion

In a worst-case scenario, a severe storm could cause widespread power outages in much of the county, requiring the opening of the Emergency Operations Center to coordinate resources and manage human needs. High winds could cause moderate damage to private property and public facilities.

ICE STORM: 257, Moderately High Hazard

Potential Impact:	Throughout a large region
Cascade Effects:	Highly likely Cascading hazards include: explosion, fire, food shortage, fuel shortage, structural collapse, transportation accident, utility failure, water supply contamination
Frequency:	A regular event
Onset:	Several days warning
Hazard Duration:	Two to three days
Recovery Time:	More than two weeks

Impact:

- Serious injury or death is likely, but not in large numbers
- Moderate damage to private property
- Severe structural damage to public facilities

Risk Assessment Discussion

With the National Weather Service representative's recommendation, the Risk Assessment Group decided that the threshold for this hazard will be ¼-inch of ice. Cascading effects of a widespread power outage could result in water supply failure for facilities without generator backup, although most public water facilities do. The agricultural community would be impacted by the loss of power to milk their herds, although a number of farms have backup power.

In the North Country Ice Storm of 1998, then Niagara Mohawk Power Corporation (now National Grid) lost the entire grid and replaced 2,300 large towers and the entire distribution system, with the outage lasting over a month. The 2003 Oswego County Ice Storm resulted in a Presidential Disaster Declaration.

Hazard Description:

Freezing rain which accumulates in a substantial glaze layer of ice resulting in serious disruptions of normal transportation and possible downed power lines. For this analysis, the threshold is ¼-inch of ice.

The National Weather Service uses the term to describe occasions when damaging accumulations of ice are expected during freezing rain situations. Significant accumulations of ice pull down trees and utility lines resulting in the loss of power and communications. These accumulations of ice make walking and driving extremely dangerous. Significant ice accumulation are accumulations of ¼" or greater.

Damage can include structural damage, utilities, tree damage due to excessive weight.

Geographic Location/Area(s) Affected:

This hazard could affect a small area or a widespread portion of the county. The Ice Storm of 2003 affected the Oswego River corridor and the North Shore of Oneida Lake, as well as the central portion of the county.

Extent (magnitude or severity) of Hazard:

Associated cascading effects with an ice storm such as a prolonged power outage could place severe stress on the county's emergency response and human service agencies.

Historical Description of Previous Occurrences:

The North Country Ice Storm of 1998 ended seven miles north of the county line, causing concern among the northern Oswego County municipalities.

The Oswego County Ice Storm of April 2003 began on 4/3/2003 and lasted a couple of days. Up to an inch of ice accumulation was measured. Oswego County was included in a Federal Disaster Declaration, and both Public Assistance and Individual Assistance was awarded. The heavy ice accumulation downed trees, limbs, and power and telephone lines, and power outages in some areas lasted a week. Several shelters were opened to house people without utilities. FEMA Public Assistance funding to Oswego County and its municipalities and public agencies totaled $1,539,660**.**

Probability of Future Events:

Historical data indicates ice storms have occurred between once a year and once every seven years in the region. The group discussed that while Oswego County has had only one federally declared disaster due to an ice storm (in 2003), the potential of another one occurring within the county appears to be higher. They decided the probability of a future event is moderately high.

Cascading Effects:

An ice storm could cause a number of cascading effects. The group discussed hazards such as explosion, fire, food shortage, fuel shortage, structural collapse, transportation accident, utility failure, and water supply contamination.

Vulnerability Assessment Discussion:

The group discussed the possibility that an ice storm with cascading effects of a prolonged power outage could cause human-needs issues for the county, such as housing, food,

transportation, prescription medications, and so on. Downed trees and power lines could cause structural failures for homes, businesses and public buildings.

UTILITY FAILURE: 254, Moderately High Hazard

Potential Impact:	Throughout a large region
Cascade Effects:	Highly likely Cascading hazards include: civil unrest; fire; food shortage; fuel shortage; utility failure; water supply contamination
Frequency:	A regular event
Onset:	No warning
Hazard Duration:	Two to three days
Recovery Time:	Less than one day

Impact:

- Serious injury or death is likely, but not in large numbers
- Moderate damage to private property
- Little or no structural damage to public facilities

Risk Assessment Discussion

A widespread electrical power outage could cause traffic accidents at stoplights, civil unrest among people frustrated with the lack of power (senior citizens), and failures in other utilities that depend on electrical power. While utility failures that have occurred in the past have been minor, a prolonged event could stress emergency services.

Hazard Description:

Loss of electric and/or natural gas supply, telephone service or public water supply and/or distribution capability as a result of an internal system failure and not by the effects of disaster agents.

Geographic Location/Area(s) Affected:

This hazard could affect either a small area or a widespread portion of the county.

Extent (magnitude or severity) of Hazard:

A prolonged utility failure such as a power outage could stress the county's emergency response and public response agencies. Recent history indicates utility failures caused few issues.

Historical Description of Previous Occurrences:

Oswego County was impacted by the Blackout of 2003, in which the power outage affected much of the Northeast in August 2003. Power was restored by the following day. A telecommunications outage for the Windstream territory around Fulton cut out telephone and related service for several hours on June 27, 2007.

Probability of Future Events:

Historical data indicates two utility failures within four years. This hazard could be a regular event (between once a year and once every seven years).

Cascading Effects:

A worst-case scenario of a utility failure is highly likely to cause cascading effects. A prolonged outage could cause food and fuel shortages, water supply failures, and fires.

Vulnerability Assessment Discussion:

While the cascading effects of a utility failure could be devastating, recent history in Oswego County indicates that such events have been more of an inconvenience than a disaster.

EARTHQUAKE: 246, Moderately High Hazard

Potential Impact:	Throughout a large region
Cascade Effects:	Highly likely Cascading hazards include: dam failure; explosion; fire; fuel shortage; hazmat (fixed site); hazmat (in transit); oil spill; radiological (fixed site); structural collapse; transportation accident; utility failure; water supply contamination;
Frequency:	An infrequent event
Onset:	No warning
Hazard Duration:	Less than one day
Recovery Time:	One to two weeks

Impact:

- Serious injury or death to large numbers
- Moderate damage to private property
- Moderate structural damage to public facilities

Risk Assessment Discussion

While rare, earthquakes originating elsewhere in New York State have been felt within Oswego County. An inactive fault line runs underneath the county.

Hazard Description:

An earthquake is a sudden motion or trembling that is caused by a release of strain accumulated within or along the edge of Earth's tectonic plates. The severity of these effects is dependent on the amount of energy released from the fault or epicenter. The effects of an earthquake can be felt far beyond the site of its occurrence. They usually occur without warning and after just a few seconds can cause massive damage and extensive casualties.

Oswego County sits in Seismic Zone C with a Peak Ground Accelleration Value of 0.15, as determined by the New York State Earthquake Code Advisory Committee. It is outside the regions with a higher seismic risk (the Adirondacks and St. Lawrence regions are closest).

Seismic studies by the builders of the nuclear power plants in Oswego County indicate an inactive fault is nearby. These studies are detailed in the final safety analysis report for the Nine Mile Point Nuclear Station and the James A. FitzPatrick Nuclear Power Plant.

Geographic Location/Area(s) Affected:

An earthquake could take place anywhere in Oswego County. The effects of an earthquake outside the county could be felt here.

Extent (magnitude or severity) of Hazard:

In a worst case scenario, moderate damage could occur to private property and public infrastructure.

Historical Description of Previous Occurrences:

While ground shaking from earthquakes occurring in the Adirondacks has been felt in Oswego County, only damage to a fire station on the eastern edge of the county occurred due to an earthquake. The most recent earthquake, on June 23, 2010, resulted in shaking of buildings but no damage.

- Oswego County residents felt the earthquake on 10/7/1983 centered in the Blue Mountain Lake area with a magnitude of 5.3.
- The 4/2/2004 earthquake centered in Au Sable Forks caused structural damage to the Amboy Fire Station on the eastern edge of Oswego County.

Cascading Effects:

Potential hazards from a strong earthquake include dam failure, explosion, fire, fuel shortage, hazmat (fixed site), hazmat (in transit), oil spill, radiological (fixed site), structural collapse, transportation accident, utility failure, and water supply contamination.

Vulnerability Assessment Discussion:

While an earthquake is possible, damage in Oswego County for an earthquake of 0.16g or less would be moderate or less.

HAZMAT (IN TRANSIT): 242, Moderately High Hazard

Potential Impact:	Throughout a large region
Cascade Effects:	Some potential Cascading hazards include: explosion, fire, hazmat (fixed site), oil spill, structural collapse, transportation accident, utility failure, water supply contamination
Frequency:	A regular event
Onset:	No warning
Hazard Duration:	One day
Recovery Time:	Three days to one week

Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

Risk Assessment Discussion

The hazardous materials teams in the counties respond to several hazardous materials accidents a year. The potential for a large-scale hazmat in transit event is high on Interstate Route 81, State Route 481, and a primary CSX rail route running parallel to Route 81. Other potential locations are the county airport in Volney and the Port of Oswego Authority.

Hazard Description:

The uncontrolled release of materials during transport, which when released can result in death or injury to people and/or damage to property and the environment through the material's flammability, toxicity, corrosiveness, chemical instability and/or combustibility.

Geographic Location/Area(s) Affected:

A hazardous materials accident in transit could occur anywhere in the county but is more likely to occur along the major transportation corridors: Interstate Route 81/US Route 11/CSX north-south rail line; State Route 481; US Route 104; the Oswego Canal (part of the New York State Barge Canal System) and the Port of Oswego on Lake Ontario.

Extent (magnitude or severity) of Hazard:

While the majority of hazardous materials incidents in the county tend to involve petroleum products, a significant number may involve extremely hazardous substances. The release of an extremely hazardous substance could cause widespread injury or death in the area in which it is released.

Historical Description of Previous Occurrences:

The Oswego County Hazardous Materials tea has responded to a number of Response Level III incidents (according to the National Incident Management System incident ranking criteria) over the past several years. In November 2005, 28 cars and an engine of a CSX train derailed in Central Square next to a major bridge on US Route 11. Four cars carried liquefied chlorine; two carried liquid sodium hydroxide. While only a small amount of sodium hydroxide was spilled, the potential for release during the retrieval of the tanks was high and the county hazmat team, Fulton Fire Department Hazmat Team, Central Square Fire Department, and 14 other emergency response agencies (fire, law enforcement, emergency medical services, state and local emergency management) were on the scene for several days.

In March 2007, a stolen propane delivery truck was toppled onto a village street in the Village of Pulaski next to the Salmon River. While the tank remained intact during the accident, the potential for explosion while it was recovered led to a voluntary evacuation of a two-mile radius, which took several hours as police and fire agencies went door-to-door to inform people.

Probability of Future Events:

The probability of future events is high. Incidents requiring a Response Level III according to the Oswego County Hazardous Materials Incident Response Plan occur in the county on a regular basis (between once a year and once every seven years).

Cascading Effects:

There is some potential for cascading effects from a hazmat-in-transit incident, depending upon the nature of the accident. Cascading hazards could include explosion, fire, hazmat (fixed

site), oil spill, structural collapse, transportation accident, utility failure, and water supply contamination.

Vulnerability Assessment Discussion:

Hazmat-in-transit incidents are a moderately high hazard in Oswego County.

Moderately Low Hazards

Hazard that were rated as moderately low include: terrorism, tornado, flood, dam failure, fire, wildfire, winter storm (severe), epidemic, hazmat (fixed site), ice jam, coastal storm, extreme temperatures, landslide, drought.

TERRORISM: 239, Moderately Low Hazard

Potential Impact:	Throughout a small region
Cascade Effects:	Some potential Cascading effects could include civil unrest, dam failure, epidemic, explosion, fire, flood, fuel shortage, hazmat (fixed site), hazmat (in transit), oil spill, radiological (fixed site), radiological (in transit), structural collapse, transportation accident, utility failure, water supply contamination, wildfire
Frequency:	An infrequent event
Onset:	No warning
Hazard Duration:	Less than one day
Recovery Time:	More than two weeks

Impact:

- Serious injury or death to extremely large numbers
- Moderate damage to private property
- Little or no structural damage to public facilities

Risk Assessment Discussion

Terrorism could occur at many locations within the county, such as schools, the university or community college, or other critical facilities. An incident could cause serious death or injuries to extremely large numbers.

Hazard Description:

The threat or use of violence to achieve political/social ends usually associated with community disruption and/or multiple injuries or deaths.

Geographic Location/Area(s) Affected: A terrorism incident could occur anywhere in the county, but is more likely at one of the critical facilities (schools, colleges, power generating stations, transportation centers such as the Port of Oswego), and so on.

Extent (magnitude or severity) of Hazard:

The severity of a terrorism incident would be high, especially in the numbers of injuries.

Historical Description of Previous Occurrences:

Bomb threats have affected all schools in Oswego County over the years. While they caused no serious injuries, they caused disruption in the schools and for emergency services.

Probability of Future Events: The group determined that terrorism could be an infrequent event, occurring between once every eight years and once every 50 years.

Cascading Effects:

The group determined that there is some potential for cascading effects depending upon the incident. These could include civil unrest, dam failure, epidemic, explosion, fire, flood, fuel shortage, hazmat (fixed site), hazmat (in transit), oil spill, radiological (fixed site), radiological (in transit), structural collapse, trans accident, utility failure, water supply contamination, or wildfire

Vulnerability Assessment Discussion:

The group determined that although the severity of a terrorism incident would be high, the damage to private facilities would be moderate and damage public facilities would be little. Homeland Security funding is being utilized to bolster law enforcement and emergency response agencies' ability to respond to and prevent such incidents.

TORNADO: 237, Moderately Low Hazard

Potential Impact:	Throughout a large region
Cascade Effects:	Highly likely Possible cascade effects include: fire, structural collapse, transportation accident, and utility failure
Frequency:	A regular event
Onset:	No warning
Hazard Duration:	Less than one day
Recovery Time:	One to two days

Impact:

- Serious injury or death is likely, but not in large numbers
- Little or no damage to private property
- Little or no structural damage to public facilities

Risk Assessment Discussion

The group discussed the number of tornadoes occurring in Oswego County, including a 1986 tornado that touched down in Fulton, one that occurred in Schroeppel, and two in Hastings. While not frequent events, tornadoes have caused property damage. The frequency of occurrence has been about 1 every other year, with waterspouts forming offshore on Lake Ontario every year.

Hazard Description:

A local atmospheric storm, generally of short duration, formed by winds rotating at very high speeds, usually in a counterclockwise direction. The vortex, up to several hundred yards wide, is visible to the observer as a whirlpool-like column of winds rotating about a hollow cavity of funnel. Winds have been estimated to be as high as 400 miles per hour.

The National Weather Service describes a tornado as a violently rotating column of air in contact with the ground and extending from the base of a thunderstorm. A condensation funnel does not need to reach to the ground for a tornado to be present; a debris cloud beneath a thunderstorm is all that is needed to confirm the presence of a tornado, even in the total absence of a condensation funnel. It nearly always starts as a funnel cloud and may be accompanied by a loud roaring noise. Tornadoes are classified by the amount of damage that they cause.

Geographic Location/Area(s) Affected:

Tornadoes have occurred in several locations throughout Oswego County and can occur anywhere.

Extent (magnitude or severity) of Hazard:

The group determined the severity of a tornado would be moderately low, with death or injury likely but not in large numbers. The hazard would be active for less than a day with emergency operations continuing one to two days in a worst-case event.

Historical Description of Previous Occurrences:

The National Climatic Data Center has recorded eight tornadoes occurring between 1950 and May 31, 2009. The magnitude has ranged from F0 to F3, with property damage recorded from seven tornadoes. The most recent was recorded on July 15, 1996 with a magnitude of F0 in the Town of Granby, destroying a mobile home and causing $35,000 in damage. Three people suffered minor injuries. On May 26, 1994, an F0 tornado touched down in Central Square, causing $50,000 in damage.

An F0 tornado on Aug. 2, 1993 caused tree damage for a path of 1 to 1.5 miles in Mexico, but it was part of an isolated severe thunderstorm in the northeastern portion of the county, which caused $50,000 in damage.

On July 13, 1986, an F1 tornado caused $250,000 in property damage in the county. While the NCD records don't indicate where in the county the tornado occurred, it is assumed this is the event that occurred in Fulton that year, causing damage in the parking lot of a grocery store and other locations.

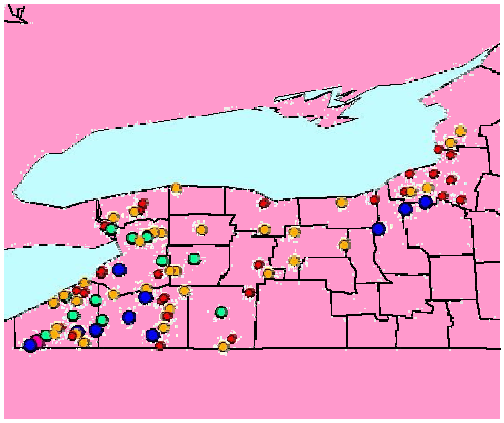
An F3 tornado touched down in the county on May 2, 1983, causing $250,000 in property damage.

A more recent tornado occurred on June 28, 2010, when an EF0 tornado touched down in the Town of Palermo. Preliminary wind estimates were 70 to 80 miles per hour. The tornado caused minor tree damage when it first touched down, and further east uprooted large trees and blew the roof off a barn. No other damage was reported.

Probability of Future Events:

The likelihood of a tornado occurring as part of a severe thunderstorm is seen a regular event, as events have occurred about every other year. Damage from such events has been little to none on a county-wide basis.

The National Weather Service-Buffalo Forecast Office provided the graphic below to depict tornado events between 1950 and 2001:



Red 72 mph
Gold 112 mph
Green 157 mph
Blue 206 mph
Pink 260 mph
]

Source: NWS-Buffalo Forecast Office 2002

Cascading Effects:

Cascade effects are highly likely for a tornado. Possible cascading effects include Fire; Structural Collapse; Transportation Accident; and Utility Failure.

Vulnerability Assessment Discussion:

The group determined that while tornadoes have been a regular event in Oswego County, the damage resulting from them has not been widespread.

FLOOD: 234, Moderately Low Hazard

Potential Impact:	Several locations
Cascade Effects**:**	Highly likely Possible cascading effects could include dam failure, fire, hazmat (fixed site), oil spill, structural collapse, transportation accident, utility failure, water supply contamination
Frequency:	A regular event
Onset:	Several hours warning
Hazard Duration:	Two to three days
Recovery Time:	Three days to one week

Impact:

- Serious injury or death is likely, but not in large numbers
- Moderate damage to private property
- Moderate structural damage to public facilities

Risk Assessment Discussion

The group noted that flooding has occurred in Oswego County but has not been a great concern county-wide. Several floods have occurred in Oswego County. In 1984, a flood on the Salmon River caused evacuation and property damage to several communities along the river, including the Village of Altmar and Village of Pulaski and was Presidentially declared, although few records of the event remain. Flood events in 1993 and 1994 occurred on the northwestern shore of Oneida Lake but were not Presidentially declared.

Hazard Description:

A flood is a natural event for rivers and streams. Excess water from snowmelt, rainfall, or storm surge accumulates and overflows onto the banks and adjacent floodplains.

Geographic Location/Area(s) Affected:

FEMA flood maps depict the 100-year flood plain. Most areas are along the Salmon River between the Salmon River Reservoir and Lake Ontario, along the Oswego River between the county line and Lake Ontario, and the Oneida River from Oneida Lake to the Oswego River. The communities along the northern shore of Oneida Lake also noted flooding as a concern.

Extent (magnitude or severity) of Hazard:

A flood could affect a small region, inundating homes and businesses and knocking out utilities. A flash flood, occurring with little warning, could result in injuries or death.

Historical Description of Previous Occurrences:

Flooding is New York's most consistently damaging natural hazard, although Oswego County has experienced fewer floods than other locations. In Oswego County, the Salmon River flooded areas along its banks including the Villages of Pulaski and Altmar in December 1984/January 1985. Previous floods of the Salmon River occurred in 1973 and 1903.

The shoreline of Oneida Lake and Oneida River experienced flooding in 1993 and 1994, but these were not declared events.

The National Climatic Data Center records show the following:

- 7/28/2006, flash flood in Hannibal, $100,000 in property damage.
- 8/5/2003, flash flood in Constantia, $25,000 in property damage.
- 7/2/1999, flash flood in Fulton, $5,000 in property damage.
- 1/8/1998, flash flood in Hannibal, $1,000 in property damage.
- 11/8/1998, flash flood in Hannibal, $10,000 in property damage.
- 7/18/1994. flash flood in Oswego County, $50,000 in property damage.
- 4/16/1994, flooding along Oneida Lake, $50,000 in property damage.

Probability of Future Events:

The group determined floods are a regular event, occurring between once a year and once every other year.

Cascading Effects:

Cascading effects are highly likely during a flood. Possible cascading effects include Dam Failure, Fire, Hazmat (Fixed Site), Oil Spill, Structural Collapse, Trans Accident, Utility Failure, and Water Supply Contamination.

Vulnerability Assessment Discussion:

Flooding is a concern in the county, especially in along the Oneida Lake and Oneida River shoreline and the Salmon River, where it has occurred in the past. Flooding can impact these areas of the county significantly, but is unlikely to impact the entire county at one time.

DAM FAILURE: 232, Moderately Low Hazard

Potential Impact:	Throughout a large region
Cascade Effects:	Highly likely Cascading effects could include flood, hazmat (fixed site), oil spill, structural collapse, utility failure, and water supply contamination
Frequency:	A rare event
Onset:	No warning
Hazard Duration:	Less than one day
Recovery Time:	More than two weeks

Impact:

- Serious injury or death to extremely large numbers
- Moderate damage to private property
- Moderate structural damage to public facilities

Risk Assessment Discussion

While several dams are located on the Oswego and Salmon rivers as part of hydroelectric projects, the group noted the safety features of those dams lowers the risk of failure. They noted a greater concern of damage from the failure of beaver dams, for which the location may be unknown until a failure.

Hazard Description:

Dam structural deterioration, either gradual or sudden that results in the inability to control impounded water as designed, thereby leading to a danger to people and/or property in the potential inundation area.

Geographic Location/Area(s) Affected:

The New York State Department of Environmental Conservation lists over 100 dams throughout the county, most on private property with a low downstream potential hazard.

The larger dams with the highest downstream risk in Oswego County are located on the Salmon and Oswego Rivers next to hydroelectric stations, most operated by Brookfield Renewable Power. Emergency plans are in place with early notification to municipal and emergency response officials in the event of an emergency condition.

Extent (magnitude or severity) of Hazard:

The New York State Department of Conservation lists 7 dams as having a high downstream hazard (hazard code C) in the event of a failure, all along the Oswego and Salmon rivers.

- Salmon River Hydroelectric Project: Bennetts Bridge Development and Lighthouse Hill Development – Brookfield Renewable Power hydroelectric power generating stations
- Oswego Project: Oswego Falls East and Oswego Falls West (Fulton), Minetto, and Varick (Oswego) – Brookfield Renewable Power hydroelectric power generation station
- Phoenix dam: Algonquin Power hydroelectric power generating station

Another 10 dams are listed as having an intermediate downstream hazard potential hazard code B):

- Pulaski dam
- Cedar Lake dam in Orwell
- Kasoag Lake dam in Williamstown
- Mallory dam in Hastings
- Hatchery dam in Constantia
- Caughdenoy dam in Hastings/Clay, Onondaga County – the downstream impact would be in the Town of Schroeppel
- Sharps Pond dam, Fulton/Volney
- Upper Fulton dam, Lock 2, Granby/Volney
- Hannibal dam

Approximately 90 dams are listed as having low downstream hazard potential (hazard class A).

Historical Description of Previous Occurrences:

Dam failures in Oswego County have occurred along earthen or beaver dams in unpopulated areas with no damages listed.

Probability of Future Events:

The group listed the frequency of dam failures as a rare event.

Cascading Effects:

Cascading effects would be highly likely in a dam failure and could include flood, hazmat (fixed site), oil spill, structural collapse, utility failure, and water supply contamination.

Vulnerability Assessment Discussion:

The group noted the safety system and early warning systems of the Class A dams along the Salmon and Oswego rivers make them a lesser risk. The smaller Class B and Class C dams pose a greater risk but have less potential for damage.

FIRE: 223, Moderately Low Hazard

Potential Impact: Throughout a small region

Cascade Effects: Some potential
Cascading effects could include explosion, hazmat (fixed site), structural collapse, and utility failure
Frequency: A regular event
Onset: No warning
Hazard Duration: One day
Recovery Time: One to two days
Impact:

- Serious injury or death is likely, but not in large numbers
- Little or no damage to private property
- Little or no structural damage to public facilities

Risk Assessment Discussion

The group noted block fires in residential or commercial areas or industrial fires would be a concern.

Hazard Description:

The uncontrolled burning in residential, commercial, industrial, institutional, or other structures in developed area.

Geographic Location/Area(s) Affected:

Fires could occur in the two cities and any of the villages in residential, commercial or industrial areas.

Extent (magnitude or severity) of Hazard:

An uncontrolled burning in residential, commercial or industrial could cause injuries and death and damage to the area involved, but would not severely impact the entire county.

Historical Description of Previous Occurrences:

A block fire in the Village of Mexico destroyed several historic buildings. A block fire in the City of Oswego destroyed a commercial area and left a number of individuals homeless.

Industrial fires have occurred in vacant properties, such as the former Hammermill plant in Oswego and the former Miller Brewery in Fulton. Both fires were contained, although they impacted the resources of the fire service in the county.

Probability of Future Events:

The Risk Assessment Group determined fires are a frequent event, occurring between once a year and once every seven years.

Cascading Effects:

The group noted some potential from cascading effects, which could include explosion, hazmat (fixed site), structural collapse, or utility failure.

Vulnerability Assessment Discussion:

The group noted the nature of a fire to affect a smaller area would have little impact on the rest of the county, beyond the use of fire and emergency response resources to control it.

WILDFIRE: 217, Moderately Low Hazard

Potential Impact: Throughout a small region
Cascade Effects: Some potential
Cascading effects could include air contamination, explosion, fire, or structural collapse
Frequency: A regular event
Onset: No warning
Hazard Duration: Less than one day
Recovery Time: One to two days
Impact:

- Serious injury or death is likely, but not in large numbers
- Little or no damage to private property
- Little or no structural damage to public facilities

Risk Assessment Discussion

Oswego County has experienced some wildfires caused by open burning during periods of dry, windy weather during spring. The impact on the county has been a strain on volunteer fire services, since such fires require substantial manpower to extinguish. The loss of property value has been small.

Hazard Description:

An uncontrollable combustion of trees, brush, or grass involving a substantial land area which may have the potential for threatening human life and property.

Geographic Location/Area(s) Affected:

Wildfires can occur in any area of the county outside the villages and cities.

Extent (magnitude or severity) of Hazard:

The group determined the severity of a wildfire would be minimal beyond the extensive use of fire resources and manpower.

Historical Description of Previous Occurrences:

Wildfires have occurred most often in fields or on undeveloped lands. A wildfire in Pennellville in 2008 destroyed a barn and some livestock. The county fire coordinator requested the Chairman of the County Legislature declare a state of emergency and issue a local order banning outdoor burning in April 2008 and March 2009 due to the drain on volunteer fire resources caused by wildfires.

Probability of Future Events:

The group noted wildfires are a regular event, occurring between once a year and once every seven years, according to the fire coordinator's assessment.

Cascading Effects:

The group determined there is some potential for cascading effects, which could include air contamination, explosion, fire, or structural collapse.

Vulnerability Assessment Discussion:

The group determined that wildfires are a moderately low hazard in the county because they occur mostly in undeveloped areas of the county and would cause little or no structural damage to private property and public facilities.

WINTER STORM (SEVERE): 208, Moderately Low Hazard

Potential Impact:	Throughout a large region
Cascade Effects:	Some potential Cascading effects could include structural collapse and transportation accident
Frequency:	A regular event
Onset:	Several days warning
Hazard Duration:	Four days to one week
Recovery Time:	Three days to one week

Impact:

- Serious injury or death is likely, but not in large numbers
- Little or no damage to private property
- Little or no structural damage to public facilities

Risk Assessment Discussion:

While the SEMO definition characterizes a severe winter storm as including heavy snow of six inches in 12 hours or less, such snow is common in Oswego County and local municipalities and community members are used to dealing with its hazards. For the purposes of this hazard analysis, a severe winter storm is defined as a heavy lake effect snow storm that puts the county into an emergency condition and perhaps requires the opening of an emergency operations center. Recent history shows such storms often have a snowfall rate of 2 to 4 inches per hour or more.

Outside the normal snow season (before Nov. 1 or after March 31), a heavy snowfall would have a more severe impact, as heavy snow on trees with their leaves still on would bring down branches and power lines.

Hazard Description:

According to the New York State Emergency Management Office, heavy snowfall and extreme cold can immobilize an entire region. Even areas that normally experience mild winters can be hit with a major snowstorm or extreme cold. Winter storms can result in flooding, storm surge, closed highways, blocked roads, downed power lines and hypothermia. Lake Effect Snow showers are created when cold, dry air passes over a large warmer lake, such as one of Lake Ontario, and picks up moisture and heat.

Lake Effect Snow Warnings are issued by the National Weather Service when pure lake effect snow may pose a hazard or is life-threatening.

Geographic Location/Area(s) Affected:

A severe winter storm can affect a small or large region of the county or the entire county at one time. A single storm can also move from one area to another and back again.

Extent (magnitude or severity) of Hazard:

A severe winter storm according to this definition can immobilize a portion of the county or the entire county, severely limiting the ability of emergency response agencies to respond to local emergencies.

Historical Description of Previous Occurrences:

Lake Effect Snow Storms caused two county-wide states of emergency in recent history.

From Jan. 28 to 31, 2004, a lake effect storm impacted the Oswego River Corridor and the central section of the county, but caused little impact in the northern region. The Federal Emergency Management Agency declared a Snow Emergency for the county. FEMA dispersed more than $349,020 in Oswego County in public assistance costs eligible for reimbursements.

A more widespread Lake Effect Storm impacted the entire county from Feb. 3 to 12, 2007. The county opened an Emergency Operations Center on Feb. 8, closing it 13 days later on Feb. 21. New York State Governor Eliot Spitzer declared Oswego County a State Disaster Area Feb. 8 and the state's Transportation Infrastructure Group (TIG) was mobilized to assist in snow removal. A Presidential Declaration for a Snow Emergency resulted in a total of $783,341 awarded in public assistance to the county, its municipalities, and public agencies.

The "Blizzard of 1993," which struck the east coast and resulted in a federal declaration of disaster for New York State (3107 EM), dropped almost 50 feet of snow on the City of Oswego in 48 hours between March 12 and March 13, 1993.

"The Blizzard of 1966" is among the most severe snowstorms to affect Oswego County. It began as a nor'easter which affected the New York City metro area and was followed by heavy "wraparound" lake effect snows. Winds were more than 60 mph. during the storm. The snow was badly drifted and roads and schools closed as long as a week. Drifts covered entire 2 story houses. The storm occurred from January 27 to January 31, 1966. A total of 102 inches of snow was recorded at Oswego.

Probability of Future Events:

Past history indicates a severe winter storm occurring between once a year and once every seven years.

Cascading Effects:

The group noted severe winter storms have some potential for cascading effects. In addition to structural collapse and transportation accidents, they could cause health effects such as hypothermia and snow blower injuries to people.

Vulnerability Assessment Discussion:

The group noted that while a severe winter storm may require an emergency operations center to direct resources and assist emergency response agencies, damage to private property and public facilities would be minimal.

EPIDEMIC: 204, Moderately Low Hazard

Potential Impact:	Throughout a large region
Cascade Effects:	Some potential Cascading effects could include civil unrest, food shortage, fuel shortage, transportation accident, or utility failure
Frequency:	An infrequent event
Onset:	More than one week warning
Hazard Duration:	More than one week
Recovery Time:	More than two weeks

Impact:

- Serious injury or death to large numbers
- Moderate damage to private property
- Little or no structural damage to public facilities

Risk Assessment Discussion

An epidemic could include flu (bird flu, H1N1 virus), Eastern Equine Encephalitis (EEE), or West Nile Virus. The impact on people could be economic, due to the inability of people to go to work, as well as the impact on public health.

Hazard Description:

The occurrence or outbreak of disease to an unusual number of individuals or proportion of the population, human or animal.

Geographic Location/Area(s) Affected:

An epidemic would likely affect the entire county or a large region of the county.

Extent (magnitude or severity) of Hazard:

An epidemic (or pandemic) could cause serious injury or death to large numbers of people, and would cause moderate damage to private property and little or no structural damage to public facilities.

Historical Description of Previous Occurrences:

The H1N1 flu virus is beginning to affect Oswego County in 2009. No epidemics in the past have caused emergency conditions.

Probability of Future Events:

The group determined epidemics to be an infrequent event – between once every eight years and once every 50 years.

Cascading Effects:

In a worst case scenario, cascading effects could include civil unrest, food shortage, fuel shortage, transportation accident, or utility failure due to large numbers of people unable to provide services.

Vulnerability Assessment Discussion:

The group determined that while an epidemic could cause severe issues in the county, the probability of a worst case scenario is moderately low.

HAZMAT (FIXED SITE): 204, Moderately Low Hazard

Potential Impact:	Several locations
Cascade Effects:	Some potential Cascading effects could include explosion, fire, oil spill, structural collapse, water supply contamination
Frequency:	A regular event
Onset:	No warning
Hazard Duration**:**	Less than one day
Recovery Time:	Less than one day

Impact:

- Serious injury or death is likely, but not in large numbers
- Little or no damage to private property
- Little or no structural damage to public facilities

Risk Assessment Discussion

A hazardous materials accident at fixed site in Oswego is possible. The county has 77 facilities that report having Extremely Hazardous Substances (EHS) under the federal SARA Title III. The Tier II reports are on file through the Oswego County Local Emergency Planning Committee at the Oswego County Emergency Management Office. These facilities have emergency plans in place. The larger facilities train with the Oswego County Hazardous Materials Team and other response agencies during drills and exercises.

Hazard Description:

The uncontrolled release of material from a stationary facility, which when released can result in death or injury to people and/or damage to property and the environment through the material's flammability, toxicity, corrosiveness, chemical instability and/or combustibility.

Geographic Location/Area(s) Affected:

Individual facilities housing hazardous materials are located throughout the county. More facilities are located in the cities of Oswego and Fulton.

Extent (magnitude or severity) of Hazard:

A hazmat incident at one of these facilities could cause an evacuation. The group determined a fixed site incident could cause serious injury or death but not in large numbers. The facility itself would be damaged, but there would be little or no damage to private property or public facilities.

Historical Description of Previous Occurrences:

Hazardous materials incidents have occurred at several industries over the years.

Probability of Future Events:

The group determined that hazmat incidents occur often, but are often contained by the responding fire department or hazardous materials team.

Cascading Effects:

There is some potential for cascading effects, which could include explosion, fire, oil spill, structural collapse, or water supply contamination, depending upon the incident.

Vulnerability Assessment Discussuion:

The safety and emergency response procedures in place at facilities housing hazardous materials and the availability an expertise of special operations teams to handle hazmat incidents lowers the county's vulnerability to hazmat incidents – fixed site.

ICE JAM: 204, Moderately Low Hazard

Potential Impact:	Several locations
Cascade Effects:	Some potential Cascading effects could include dam failure, fire, flood, oil spill, structural collapse, or utility failure
Frequency:	A regular event
Onset:	Several hours warning
Hazard Duration:	Two to three days
Recovery Time:	One to two days

Impact:

- Serious injury or death is unlikely
- Little or no damage to private property
- Moderate structural damage to public facilities

Risk Assessment Discussion

Ice jams have occurred in the county along the Oswego River and have the potential to form along the Oneida and Salmon rivers. However, while the jams that occurred have caused concern, they caused little damage except to the nearby shoreline and adjacent property.

Hazard Description:

Large accumulation of ice in rivers or streams interrupting the normal flow of water and often leading to flooding conditions and/or damage to structures.

Geographic Location/Area(s) Affected:

The areas that could be affected by ice jams are along the Oswego, Oneida or Salmon Rivers.

Extent (magnitude or severity) of Hazard:

An ice jam could cause flooding downstream. The group determined that serious injury or death is unlikely.

Historical Description of Previous Occurrences:

Ice jams have occurred in several locations along the Oswego River after a prolonged period of very low temperatures. A low spot in the City of Fulton north of the lower dam has seen ice buildup that has impacted a tavern near the shore. Ice jams have also occurred north of Fulton between Hinmansville and the former Miller Brewing property, impacting shoreline property minimally in the towns of Volney and Granby. North of Fulton, an ice jam occurred along the border between the towns of Volney and Scriba in the 1970s, also causing minimal damage.

Probability of Future Events:

The group considered ice jams to be a regular event, occurring between once a year and once every seven years.

Cascading effects:

Cascading effects from an ice jam could be flooding and associated events such as fire, flood, oil spill, structural collapse, and utility failure.

Vulnerability Assessment Discussion:

The group determined the county's vulnerability to ice jams is moderately low, because serious injury and death is unlikely and the impact on private property is little to none. The impact on public facilities could be moderate.

COASTAL STORM: 203, Moderately Low Hazard

Potential Impact:	Throughout a large region
Cascade Effects:	Highly likely Cascading effects could include fire, flood, landslide, oil spill, structural collapse, tornado, transportation accident, and utility failure
Frequency:	A regular event
Onset:	Several days warning
Hazard Duration:	Two to three days
Recovery Time:	One to two days

Impact:

- Serious injury or death is unlikely
- Moderate damage to private property
- Little or no structural damage to public facilities

Risk Assessment Discussion

With input by the National Weather Service, the group decided to consider coastal storms as a potential hazard but noted the effects of events such as a Nor'easter have been minimal. Erosion and property damage have been noted along the Eastern Lake Ontario shoreline every year.

Hazard Description:

Coastal storms can cause increases in tidal elevations (called storm surge), wind speed, and erosion, caused by both extratropical events and tropical cyclones. Extratropical events include Nor'easters and severe winter low-pressure systems. The East coast, including Oswego County, can experience these non-tropical storms that produce gale-force winds and precipitation in the form of heavy rain or snow. These cyclonic storms, commonly called Nor'easters because of the direction of the storm winds, can last for several days and can be very large – 1,000-mile wide storms are not uncommon.

Geographic Location/Area(s) Affected:

A coastal storm could affect a large region within the county or the entire county.

Extent (magnitude or severity) of Hazard:

The group determined that serious injury or death during a coastal storm is unlikely; however, a significant number of the group suggested there could be moderate impact on people.

Historical Description of Previous Occurrences:

Oswego County has been impacted by some of the Nor'easters crossing New York State, such as the Blizzard of 1993. However, the impact was minimal, much like a normal snowstorm in the county.

Probability of Future Events:

Coastal storm occur on a regular basis – between once a year and once every 7 years.

Cascading Effects:

Cascading effects of a coastal storm such as a Nor'easter are highly likely and could include fire, flood, landslide, oil spill, structural collapse, tornado, trans accident, and utility failure.

Vulnerability Assessment Discussion:

The group determined the county's vulnerability to a coastal storm to be moderately low, because many of the effects of a Nor'easter can be handled similarly to a winter storm.

EXTREME TEMPERATURES: 190, Moderately Low Hazard

Potential Impact:	Throughout a large region
Cascade Effects:	Some potential Cascading effects could include air contamination, fire, ice jam, transportation accident, and utility failure;
Frequency:	A regular event
Onset:	Several days warning
Hazard Duration:	Two to three days
Recovery Time:	Less than one day

Impact:

- Serious injury or death is likely, but not in large numbers

- Little or no damage to private property
- Little or no structural damage to public facilities

Risk Assessment Discussion

Extreme temperatures such as excessive cold or hot weather can have a serious impact on people. In Oswego County, while the northern communities are more used to excessive cold temperatures (the Town of Redfield experienced a temperature of 35 degrees below zero Fahrenheit during the winter of 2008-2009), the excessive cold has caused ice jams on the Oswego River. Extreme temperatures can cause issues for the elderly or ill people.

Hazard Description:

Extended periods of excessive cold or hot weather with a serious impact on human and/or animal populations particularly elderly and/or persons with respiratory ailments. Heat kills by pushing the human body beyond its limits. In extreme heat and high humidity, evaporation is slowed and the body must work extra hard to maintain a normal temperature.

Most heat disorders occur because the victim has been overexposed to heat or has over-exercised for his or her age and physical condition. Older adults, young children, and those who are sick or overweight are more likely to succumb to extreme heat.

Geographic Location/Area(s) Affected:

Extreme temperatures can affect a large region or the entire county.

Extent (magnitude or severity) of Hazard:

Extreme temperatures could cause serious injury or death but not in large numbers due to health effects such as hypothermia or overexposure to heat.

Historical Description of Previous Occurrences:

Extremely low or high temperatures occurs for a period of several days about every other year or every several years. None of the recent events has caused concern.

Probability of Future Events:

Extreme temperatures are a regular event, occurring between once a year and once every seven years.

Cascading effects:

There is some potential for cascading effects for extreme temperature events. They can include air contamination, fire, ice jam, transportation accident, and utility failure.

Vulnerability Assessment Discussion:

The group determined extreme temperatures to be a moderately low hazard, impacting mostly people with health effects. Damage to private property and public facilities would be minimal.

LANDSLIDE: 171, Moderately Low Hazard

Potential Impact: Throughout a large region
Cascade Effects: Some potential
Cascading effects could include flood and structural collapse
Frequency: A rare event
Onset: No warning
Hazard Duration: Two to three days
Recovery Time: Three days to one week
Impact:

- Serious injury or death is unlikely
- Little or no damage to private property
- Little or no structural damage to public facilities

Risk Assessment Discussion

Landslides in Oswego County are a rare event, and those that have occurred have impacted single structures or small areas.

While the New York State Mitigation Plan and the New York State Geological Survey indicate eight landslide events have occurred between 1837 and 1988, no information is available locally. The US Geological Society shows Oswego County as having a moderate susceptibility to landslide/low incidence along the shoreline of Lake Ontario and a moderate landslide incident in most of the county.

Hazard Description:

The downward and outward movement of slope-forming materials reacting to the force of gravity. Slide materials may be composed of natural rock, soil, artificial fill, or combinations of these materials. The term landslide is generalized and includes rock falls, rockslides, creep, block glides, debris slides, earth-flow, mud flow, slump, and other similar terms. Landslides occur in all U.S. states and territories. In a landslide, masses of rock, earth, or debris move down a slope. Landslides may be small or large, slow or rapid. They are activated by:

- storms,
- earthquakes,
- volcanic eruptions,
- fires,
- alternate freezing or thawing, and
- steepening of slopes by erosion or human modification.

Debris and mud flows are rivers of rock, earth, and other debris saturated with water. They develop when water rapidly accumulates in the ground, during heavy rainfall or rapid snowmelt, changing the earth into a flowing river of mud or "slurry." They can flow rapidly, striking with little or no warning at avalanche speeds. They also can travel several miles from their source, growing in size as they pick up trees, boulders, cars, and other materials.

Landslide problems can be caused by land mismanagement, particularly in mountain, canyon, and coastal regions. In areas burned by forest and brush fires, a lower threshold of precipitation may initiate landslides. Land-use zoning, professional inspections, and proper design can minimize many landslide, mudflow, and debris flow problems.

Geographic Location/Area(s) Affected:

Landslides could occur throughout a large region.

Extent (magnitude or severity) of Hazard:

The group determined that serious injury or death during a landslide is unlikely.

Historical Description of Previous Occurrences:

A landslide several years ago occurred in the City of Fulton along the bank of the Oswego River, destroying a hardware store.

Probability of Future Events:

The group determined landslides are a rare event in Oswego County, occurring less than once every 50 years.

Cascading Effects:

There is some potential for cascading effects such as a flood, if debris impacted the flow of a river or stream, and structural collapse for structures on top of the landslide.

Vulnerability Assessment Discussion:

The group determined landslides to be a moderately low hazard for Oswego County based on past occurrences and the minimal impact on the population, private property and public facilities.

DROUGHT: 164, Moderately Low Hazard

Potential Impact:	Throughout a large region
Cascade Effects:	Some potential Cascading effects could include civil unrest, fire, fuel shortage, water supply contamination, and wildfire
Frequency:	An infrequent event
Onset:	More than one week warning
Hazard Duration:	More than one week
Recovery Time:	Three days to one week

Impact:

- Serious injury or death is unlikely
- Moderate damage to private property
- Little or no structural damage to public facilities

Risk Assessment Discussion:

The group noted that while there is a potential for drought in Oswego County, it has been an infrequent event (occurring between once every eight years and once every 50 years). Such events have caused moderate issues for private homeowners, impacting the sources for private wells. A severe drought impacting the water supply for the region would be less likely. Wind erosion during a drought could be another consequence.

Hazard Description:

A prolonged period of limited precipitation affecting the supply and quality of water.

Geographic Location/Area(s) Affected:

A drought would affect a large region of the county or the entire county.

Extent (magnitude or severity) of Hazard:

Serious death or injury from a drought is unlikely, and damage to public facilities would be little to none. Damage to private property could be moderate due to the need for homeowners to purchase water.

Historical Description of Previous Occurrences:

Droughts with moderate to low impact in Oswego County have been an infrequent event, occurring between once every eight years and once every 50 years. None have caused emergency conditions.

The National Climatic Data Center lists five drought events for Oswego County, all of them in 1993. In each case, Oswego County is listed as one of many New York State counties included in drought-alert advisories issued by the New York State Drought Management Task Force in August 1993, September 1993, October 1993, November 1993, and December 1993. While Oswego was included in the advisory, effects of the drought were not as severe as in other counties.

Probability of Future Events:

The group determined the probability of future events is moderately low for droughts that have a low to moderate impact on the county. More severe events would be less probable.

Cascading Effects:

There is some potential for cascading effects from a drought. These could include civil unrest, fire, fuel shortage, water supply contamination, and wildfire.

Low Hazards

Hazards that were rated as low include Radiological (Fixed Site).

RADIOLOGICAL (FIXED SITE): 145, Low Hazard

Potential Impact:	Throughout a small region
Cascade Effects:	Some potential Cascading effects could include air contamination, civil unrest, and transportation accident
Frequency:	A rare event
Onset:	Several hours warning
Hazard Duration:	Less than one day

Recovery Time: More than two weeks
Impact:

- Serious injury or death is unlikely
- Moderate damage to private property
- Little or no structural damage to public facilities

Risk Assessment Discussion

Oswego County is home to three nuclear power plants located in the Town of Scriba – Nine Mile Point Nuclear Station Units 1 and 2 owned by Constellation Energy, and the James A. FitzPatrick Plant owned by Entergy Nuclear. The construction and safety features of the plants, regulated by the Nuclear Regulatory Commission, makes the possibility of an incident that affects the health and safety of the public very low. In addition, notification systems to government and emergency response agencies as well as to the general public are in place and tested regularly, as are emergency response plans.

Hazard Description:

A release or threat of release of radioactive material from a nuclear power generating station or research reactor or other stationary source of radioactivity.

Background: Commercial nuclear power generating facilities have the greatest concentration of radioactive materials of any private source. Oswego County is home to three of them: Nine Mile Point Nuclear Station Units 1 and 2, and the James A. FitzPatrick Nuclear Power Plant. These plants have never had an incident that's led to harm to any member of the public and operate under stringent safety regulations. Oswego County has developed the Oswego County Radiological Preparedness Plan to respond to nuclear power plant emergencies and reviews, revises, and exercises it annually with our nuclear industry partners and New York State.

Geographic Location/Area(s) Affected:

The area affected by life-threatening effects of a nuclear power plant incident would be well within a 10-mile radius. Oswego County has established a 10-mile Emergency Planning Zone around the three plants and concentrated public notification and planning efforts in that area.

Extent (magnitude or severity) of Hazard:

Serious injury or death from a nuclear power plant incident is unlikely, and damage to private property and public facilities would be little to none. Private property values can be affected in the area contaminated by radioactive materials, but the property can be decontaminated.

Historical Description of Previous Occurrences:

While the plants have entered their emergency plan for several emergencies during their 20-plus-year existence, none of the emergencies has caused any threat to public health and safety.

Probability of Future Events:

A nuclear power plant accident causing harm to the public health and safety would be a rare event, occurring less than once every 50 years.

Cascading effects:

There is some potential for cascading effects from a nuclear power plant accident. These could be air contamination, civil unrest, and trans accident.

Vulnerability Assessment Discussion:

The group determined that the county's vulnerability to a nuclear power plant accident is low.

Hazard Charts

*HAZARDS THAT OCCUR WITH NO WARNING**
SEVERE STORM
UTILITY FAILURE
EARTHQUAKE
HAZMAT (IN TRANSIT)
TERRORISM
TORNADO
DAM FAILURE
FIRE
WILDFIRE
HAZMAT (FIXED SITE)
LANDSLIDE

- No warning was selected from the Onset Tab.

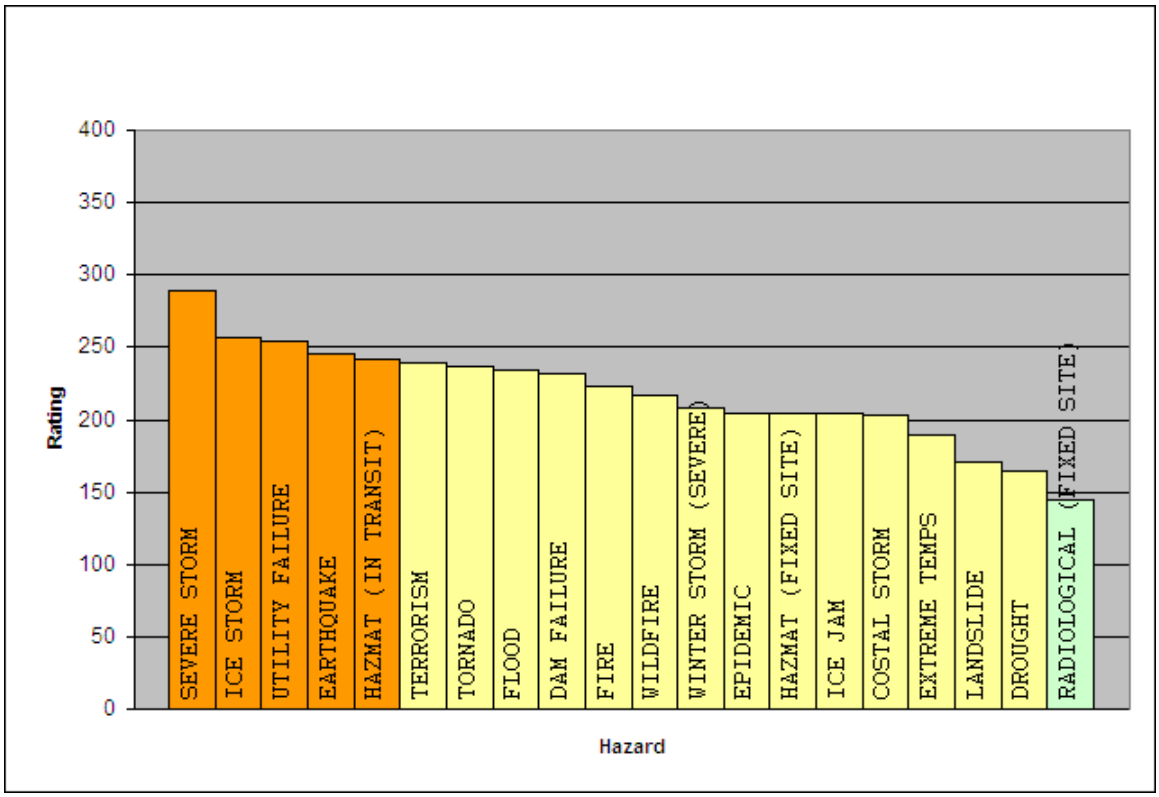
*HAZARDS THAT OCCUR MOST OFTEN**
SEVERE STORM

*A frequent event was selected on Frequency Tab.

*HAZARDS THAT PRESENT THE GREATEST THREAT TO LIFE**
EARTHQUAKE
TERRORISM
DAM FAILURE
EPIDEMIC

*Serious injury and death in large or extremely large numbers was selected from the Impact Tab.

Figure 1. Chart of Hazards vs. Ratings



Appendix F

County and Shared Hazard Mitigation Action Implementation Details

Appendix F – County and Shared Hazard Mitigation Action Implementation Details								
Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implemen-tation Timeframe**	**Applies to New or Existing Structures**	**Prioriti-zation**
All Participating Jurisdictions – County and All Municipalities								
Promote sprinkler installation in housing by revising building codes	Fire	1-a, 3-a, 4-a, 4-b	County Code Enforcement	Low	Municipal budget	Short	New and Existing	Low
Implement/revise review board regulations and building/zoning codes for potential hazard mitigation updates	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a, 3-a, 4-a	Oswego County Planning (lead) and all municipalities	Low	Municipal budget, County funds	Short	New and Existing	High
Develop and implement new public awareness/education programs for hazard mitigation and preparedness	All hazards	1-b	Oswego County – Public Information Office (lead) and all municipalities	High	State budget, County budget	Moderate	N/A	High
Offer zoning training programs with emphasis on hazard mitigation at County and local levels	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a	Oswego County Planning and Code Enforcement, Tug Hill, North Shore of Govs (lead) and all municipalities	Low	County budget, Municipal budget	Short	New and Existing	High
Educate public how to prepare for hazard events	All hazards	1-c, 5-e	County EMO (lead), Municipal and County Fire Depts.	Low	FEMA, County funds	Moderate	New and Existing	High
Provide training to emergency response personnel to handle hazard events	All hazards	1-c, 5-e	Red Cross, County EMO (lead)	Low	FEMA, County funds	Moderate	New and Existing	High
Identify emergency shelter locations, establish if necessary –	All hazards	1-d	County EMO, Red Cross (lead)	Low	County budget	Short	N/A	Moderate
Inventory emergency shelters and critical facilities that need generators – supply generated power	All hazards	1-d	County EMO (lead), Municipal Boards, Red Cross	High	Capital budget	Long	N/A	Moderate

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Determine supplies and volunteers needed at emergency shelters during hazard events	All hazards	1-d	Red Cross	Medium	Municipal budget, County budget	Moderate	N/A	Low
Establish animal evacuation protocols and animal shelter locations for emergency events	All hazards	1-d	County EMO, Municipal animal control officers (lead)	Low	Municipal budget	Short	N/A	Low
Database of resources and locations of equipment	All hazards	2-a	SUNY Oswego (lead), County Planning Dept.	Low	County budget, Private	Short	New and Existing	High
Establish guidelines for inter- and intra-municipal use of equipment during emergencies	All Hazards	2-a, 2-b	County Highway (lead) and Municipal DPW and Highway Depts.	Medium	County budget	Moderate	N/A	High
Review resources available for road closings	All except drought, extreme temperatures, epidemic	2-a, 5-e	County Highway (lead) and Municipal Highway and DPWs, NYSDOT	Low	County budget, Municipal budget	Moderate	N/A	High
Improve inter-municipal communications and awareness during hazard events	All hazards	2-b	County EMO, 911 through HyperReach, Office of Public Information (lead)	Low	County budget, State grant	Short	N/A	High
Secure additional equipment needed to combat hazard events	All hazards	2-a	County DPW, County EMO, Office of Fire Coor. (lead), EMS, Police	High	Capital budget	Long	New and Existing	Moderate
Review existing Village/Town/County codes, setbacks, and review processes	All hazards	1-a, 3-a, 4-a, 4-b	County Planning Dept., Municipal Planning Boards	Medium	Municipal budget, County budget	Moderate	New and Existing	Moderate

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Establish preventative municipal tree removal programs	Utility Failure	3-b, 3-c, 4-b	Municipal Boards, County Highway, municipal highway/DPW Depts. (lead)	High	Municipal budget	Long	New and Existing	Low
Provide appropriate tree planting lists to residents – education programs	Utility Failure	4-b	Municipal Boards, National Grid, SWCD (lead)	Low	NYSDEC, State grant	Short	New and Existing	Low
Establish a road watch program during hazard events	Severe storm, ice storm, winter storm, tornado, earthquake, flood, landslide utility failure wildfire,hazmat (transit)	3-b, 3-c	County DPW, County EMO, Municipal Highway and DPW Depts., Office of Fire Coordinator	Medium	Municipal budget, County budget	Moderate	New and Existing	Moderate
Determine whether additional code enforcement officers are needed	All hazards	3-a, 4-a	municipal boards	Low	Municipal budget	Long	New and Existing	Low
Enforce/promote smart development that minimizes impacts from natural hazards	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Oswego County Planning (lead) and municipal public information officials	Low	Municipal budget, County funds	Short	New	High
Maintain stormwater systems, including roadside drainages and culverts	Flood	4-b, 4-d, 4-e	County DPW/Highway, Municipal DPW/Highway, SWCD	Medium	Capital budget, Municipal budget	Short-Long	New and Existing	Moderate
Review security and hazard preparedness at water supply and sewer facilities within County	Terrorism	4-c	Municipal Water Depts., OCWA, County DOH and EMO	Low	Federal grant, OCWA, State grant	Short	New and Existing	High

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Enhance security measures and implement response plans at water supply and sewer facilities within County	Terrorism	4-c	Municipal Water Depts., OCWA, County DOH and EMO	High	Federal grant, OCWA, State grant	Moderate	New and Existing	High
Determine feasibility/potential to extend existing public water supply and sewer services	Wildfire, extreme temps, fire, drought,	4-c	Municipal Water Depts., OCWA, County and State DOH	High	State grant/funds, Municipal budget, USDA RD funding	Long	New and Existing	High
Establish program and funds for acquisition/elevation of houses located within floodplains or with frequent flooding issues	Flood	4-d	Municipal Boards, Oswego County EMO (lead)	High	HMGP, FEMA RFC	Long	Existing	High
Review and update spill response plan protocol (land and water) and equipment availability and options	Hazmat (in transit and fixed site), radiological (fixed site)	5-e	Hazmat response teams, County EMO & DOH, Office of Fire Coordinator (lead)	Medium	NYSDEC grant, County budget, Municipal budget	Moderate	New and Existing	High
Offer fire prevention education to community	Fire, wildfire	1-b	Municipal Fire Departments, County Office of Fire Coordinator (lead)	Low	Municipal budget, Private	Moderate	New and Existing	High
Implement local Land Use Plans to reduce flood impacts (reduce development and promote safe development)	Flood	1-a	Oswego County Planning (lead) & municipality boards	Medium	County budget & Municipal budget	Moderate	New	Low
Increase amount of automatic message boards along major routes within County to post pre-disaster alerts and tips	All hazards	5-b, 5-c	County DPW (lead) and municipal highway depts., NYSDOT coordination	High	State grant, County budget	Long	N/A	Moderate

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Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implementation Timeframe**	**Applies to New or Existing Structures**	**Prioritization**
Establish a monitoring program for railroad tracks	Hazmat (in transit)	5-f	Federal DOT, CSX, coordination lead by EMO and Town/Village Boards	Medium	Federal budget, Private funds	Moderate	New and Existing	Low
Coordinate with state and federal governments and track owners to rehabilitate or remove failing railroad infrastructure	Hazmat (in transit)	5-f	Federal DOT, CSX, coordination lead by EMO and Town/Village Boards	Medium	Federal funds, private	Long	New and Existing	Low
Update/revise floodplain management ordinances to comply with FEMA regulations	Flood, Severe Storm, Ice Jam	3-a, 4-a, 4-d	Municipal Boards (planning boards and code enforcement)	Low	Municipal Budget	Short	New	Moderate
Designate/install a Floodplain Management Administrator	Flood, Severe Storm, Ice Jam	4-d	County Legislature (lead)	Moderate	County budget	Moderate	N/A	Low
Install/train staff members to adequately enforce NFIP regulations and floodplain ordinances	Flood, Severe Storm, Ice Jam	1-a, 4-d, 5-a	Municipal Boards (planning and floodplain admins.), County EMO (lead), NYSOEM	Moderate	HMGP, Federal Grant	Moderate	N/A	Moderate
Update/revise floodplain ordinances to comply with current and future FEMA FIRMs	Flood, Severe Storm, Ice Jam	3-a, 4-a, 4-d	Municipal Boards	Low	Municipal Budget	Short	New	Moderate
Require staff involved with the management of floodplains and enforcement of ordinances to become Certified Floodplain Managers	Flood, Severe Storm, Ice Jam	4-d, 5-a	Municipal Boards, County Planning Dept. (lead)	Moderate	HMGP, Federal or State Grant, County Budget	Long	N/A	Low
Join the Community Rating System (CRS)	Flood, Severe Storm, Ice Jam	4-d	Municipal Planning Boards, County EMO (lead)	Moderate	Municipal Budget, HMGP	Long	N/A	Low
Oswego County								

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Alert community of locations of shelters and procedures during emergency events	All hazards	1-d	County EMO, County Office of Public Information	Low	County funds	Short	N/A	High
Enhance current tree removal program executed by National Grid	Utility Failure	3-b, 3-c, 4-b	National Grid, Town and Village Planning Boards (lead)	Medium	National Grid, County funds	Moderate	New and Existing	Low
Review/implement County regulations and insurance regulations on floodplain management requirements	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Oswego County Planning and all municipalities	Low	County budget & municipal budget	Short	New	High
Provide training on NY Alert system	All hazards	1-c	County EMO	Low	County budget	Short	N/A	High
Review current agreement for County to access/service private roads – enhance as needed	Severe storm, ice storm, flood, wildfire, winter storm	1-c, 5-e	Private landowners (lead), Municipal Highway/DPW depts.	Low	Private	Short	New and Existing	Low
Inform private road residents of current access/service agreement within County	Severe storm, ice storm, flood, wildfire, winter storm	1-c, 5-e	Municipal DPW/Highway	Low	County funds	Short	New and Existing	Low
Provide maintenance for historic lighthouse in Oswego – re-enforce break wall	Severe storm, Flood	4-d, 4-e	County Community Development, USACE, City Oswego	High	State Parks grant, Enviro. Protection Fund	Long	Existing	Moderate
Coordinate with NYS Flood Mitigation Group regarding repetitious flooding issues within Oswego County	Flood	4-d	County EMO (lead), municipal floodplain administrators	Low	County funds	Moderate	Existing	High
Coordinate with US Army Corps regarding ways to reduce Oneida Lake flooding issues affected by Barge Canal system	Flood	4-d	County EMO, FEMA, NYSOEM, Canal Corps	Low	FEMA, County funds	Long	Existing	Moderate

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Educate public on Hyper-reach capabilities and uses	All hazards	1-c, 1-d, 5-b	County EMO, E911, County Promotion and Tourism Dept.	Low	County budget	Short	N/A	High
Inventory County and municipal equipment availability	All hazards	2-a	County EMO, County Office of Fire Coor., Municipal DPWs and Highway Depts.	Medium	County funds	Short	N/A	High
Continue work to increase availability of broadband throughout County to improve communications	All hazards	5-c	County Planning Dept. (lead), utility companies	Low	Capital budget	Short-Long	New and Existing	Moderate
Continue to inventory aging transportation infrastructure within County	Ice storm, flood, ice jam, hazmat (in transit)	5-f	County DPW and Highway (lead), NYSDOT, Town/Village Highway/DPW	Medium	FHWA, NYSDOT, County budget	Short-Long	New and Existing	High
Coordinate with NYS Thruway regarding ways to distribute hazard event information to Thruway travelers	All hazards	5-c	County EMO, NYSOEM, Thruway Authority, NYSDOT	Low	State grant, Private, County budget	Long	N/A	Moderate
Review response plan of communities located within Hancock flight paths – revise as needed	All hazards	5-e	Municipal Boards, FAA, County EMO and emergency response (lead)	Low	Federal grant, State grant	Long	N/A	High
Continue EEE spraying program in County as needed – evaluate program effectiveness on an annual basis	Epidemic	5-e	County DOH	High	County budget	Short-Long	N/A	Moderate
Implement aid and liability agreements with local ATV clubs to assist during emergencies	All hazards	2-c	Municipal Boards, ATV clubs	Medium	Municipal budget, Private	Long	New and Existing	Low

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Implement aid and liability agreements with local HAM operators to assist during emergencies	All hazards	2-c	County EMO, RACES, local operators groups	Medium	Municipal budget, Private	Moderate	New and Existing	High
Add additional emergency response trailers along I-81 corridor	All hazards	3-d	County Office Fire Coor., NYSDOT	High	State budget, State grant	Long	N/A	Low
Improve cell phone reception and GPS function within County	All hazards	5-c	Phone companies, County legislature	Low	Private	Short-Long	New and Existing	Moderate
Review emergency evacuation signage within I-81 corridor communities – establish such signage if needed	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	County EMO, Municipal Boards and Highway/DPW, NYSDOT	Medium	State grant, County budget	Short	New and Existing	Low
Develop database of special needs and elderly individuals within County and a system to contact them in case of emergency – update database annually	All hazards	5-b	County DOH, County Office for the Aging (lead)	Medium	State grant, Private, County budget	Long	New and Existing	High
Town of Albion								
Implement response protocols to remove debris jams and ice jams from waterways	Flood, Ice Jam	3-c, 4-d, 4-e, 5-a, 5-e	Albion DPW/Highway, Fire Depts.	Medium	Municipal budget, County grant	Long	N/A	Moderate
Review/implement County regulations and insurance regulations on floodplain management requirements	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Albion Floodplain Administrator	Low	Municipal budget	Short	New	High

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Enforce/promote smart development that minimizes impacts from natural hazards	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Albion Zoning/Code Enforcement Official	Low	Municipal budget	Short	New	High
Implement/revise review board regulations and building/zoning codes for potential hazard mitigation updates	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a, 3-a, 4-a	Albion Zoning/Code Enforcement Official	Low	Municipal budget	Short	New and Existing	High
Implement local Land Use Plans to reduce flood impacts (reduce development and promote safe development)	Flood	1-a	Albion Planning Board and Code Enforcement Officer	Medium	Municipal budget	Moderate	New	Low
Assist County with the development and implementation of new public awareness/ education programs for hazard mitigation and preparedness	All hazards	1-b	Albion public information official	High	State grant, County budget	Moderate	N/A	High
Attend County zoning training programs focused on hazard mitigation	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a	Albion zoning/code enforcement official	Low	Municipal budget	Short	New and Existing	High
Establish program and funds for acquisition/ elevation of houses located within Albion floodplains or with frequent flooding issues	Flood	4-d	Albion Floodplain Administrator	High	HMGP, FEMA RFC	Long	Existing	High

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Review emergency evacuation signage within Town of Albion	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	Albion municipal board and Highway/DPW	Medium	municipal budget	Short	New and Existing	Low
Village of Altmar								
Implement response protocols to remove debris jams and ice jams from waterways	Flood, Ice Jam	3-c, 4-d, 4-e, 5-a, 5-e	Altmar DPW/Highway, Fire Depts.	Medium	Municipal budget, County grant	Long	N/A	Moderate
Review/implement County regulations and insurance regulations on floodplain management requirements	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Altmar Floodplain Administrator	Low	Municipal budget	Short	New	High
Enforce/promote smart development that minimizes impacts from natural hazards	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Altmar Zoning/Code Enforcement Official	Low	Municipal budget	Short	New	High
Implement/revise review board regulations and building/zoning codes for potential hazard mitigation updates	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a, 3-a, 4-a	Altmar Zoning/Code Enforcement Official	Low	Municipal budget	Short	New and Existing	High
Implement local Land Use Plans to reduce flood impacts (reduce development and promote safe development)	Flood	1-a	Altmar Planning and Code Enforcement	Medium	Municipal budget	Moderate	New	Low

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Assist County with the development and implementation of new public awareness/ education programs for hazard mitigation and preparedness	All hazards	1-b	Altmar public information official	High	State grant, County budget	Moderate	N/A	High
Attend County zoning training programs focused on hazard mitigation	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a	Altmar zoning/code enforcement official	Low	Municipal budget	Short	New and Existing	High
Establish program and funds for acquisition/ elevation of houses located within Altmar floodplains or with frequent flooding issues	Flood	4-d	Altmar Floodplain Administrator	High	HMGP, FEMA RFC	Long	Existing	High
Town of Amboy								
Review/implement County regulations and insurance regulations on floodplain management requirements	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Amboy town board	Low	Municipal budget	Short	New	High
Enforce/promote smart development that minimizes impacts from natural hazards	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Amboy Zoning/Code Enforcement Official	Low	Municipal budget	Short	New	High
Implement/revise review board regulations and building/zoning codes for potential hazard mitigation updates	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a, 3-a, 4-a	Amboy Zoning/Code Enforcement Official	Low	Municipal budget	Short	New and Existing	High

Appendix F – County and Shared Hazard Mitigation Action Implementation Details								
Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implementation Timeframe**	**Applies to New or Existing Structures**	**Prioritization**
Implement local Land Use Plans to reduce flood impacts (reduce development and promote safe development)	Flood	1-a	Amboy Planning and Code Enforcement	Medium	Municipal budget	Moderate	New	Low
Assist County with the development and implementation of new public awareness/ education programs for hazard mitigation and preparedness	All hazards	1-b	Amboy public information official	High	State grant, County budget	Moderate	N/A	High
Attend County zoning training programs focused on hazard mitigation	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a	Amboy zoning/code enforcement official	Low	Municipal budget	Short	New and Existing	High
Establish program and funds for acquisition/ elevation of houses located within Altmar floodplains or with frequent flooding issues	Flood	4-d	Amboy town board	High	HMGP, FEMA RFC	Long	Existing	High
Town of Boylston								
Review/implement County regulations and insurance regulations on floodplain management requirements	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Boylston town board	Low	Municipal budget	Short	New	High
Enforce/promote smart development that minimizes impacts from natural hazards	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Boylston Zoning/Code Enforcement Official	Low	Municipal budget	Short	New	High

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Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implementation Timeframe**	**Applies to New or Existing Structures**	**Prioritization**
Implement/revise review board regulations and building/zoning codes for potential hazard mitigation updates	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a, 3-a, 4-a	Boylston Zoning/Code Enforcement Official	Low	Municipal budget	Short	New and Existing	High
Implement local Land Use Plans to reduce flood impacts (reduce development and promote safe development)	Flood	1-a	Boylston Planning and Code Enforcement	Medium	Municipal budget	Moderate	New	Low
Assist County with the development and implementation of new public awareness/ education programs for hazard mitigation and preparedness	All hazards	1-b	Boylston public information official	High	State grant, County budget	Moderate	N/A	High
Attend County zoning training programs focused on hazard mitigation	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a	Boylston zoning/code enforcement official	Low	Municipal budget	Short	New and Existing	High
Village of Central Square								
Review emergency evacuation signage within Town of Albion	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	Central Square municipal board and Highway/DPW	Medium	State grant, County budget	Short	New and Existing	Low
Review/implement County regulations and insurance regulations on floodplain management requirements	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Central Square Floodplain Administrator	Low	Municipal budget	Short	New	High

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Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implementation Timeframe**	**Applies to New or Existing Structures**	**Prioritization**
Enforce/promote smart development that minimizes impacts from natural hazards	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Central Square Zoning/Code Enforcement Official	Low	Municipal budget	Short	New	High
Implement/revise review board regulations and building/zoning codes for potential hazard mitigation updates	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a, 3-a, 4-a	Central Square Zoning/Code Enforcement Official	Low	Municipal budget	Short	New and Existing	High
Implement local Land Use Plans to reduce flood impacts (reduce development and promote safe development)	Flood	1-a	Central Square Planning and Code Enforcement	Medium	Municipal budget	Moderate	New	Low
Assist County with the development and implementation of new public awareness/ education programs for hazard mitigation and preparedness	All hazards	1-b	Central Square public information official	High	State grant, County budget	Moderate	N/A	High
Attend County zoning training programs focused on hazard mitigation	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a	Central Square zoning/code enforcement official	Low	Municipal budget	Short	New and Existing	High
Village of Cleveland								
Establish breakwall on Oneida Lake for safety on waterway	Severe Storm, Coastal Storm	--	Oswego County DPW & Planning (lead), Cleveland municipal board, US Army Corps	High	Federal grant, state grant	Long	New and Existing	Moderate
Purchase anti-icing equipment for Town vehicles (especially plows)	Winter Storm, Severe Storm, Ice Storm	3-c	Cleveland DPW (lead), municipal board	Low	Municipal Budget, State grant	Moderate	N/A	Moderate

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Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implemen-tation Timeframe**	**Applies to New or Existing Structures**	**Prioriti-zation**
Acquire/install dry hydrants in populated areas for fire suppression	Fire, Wildfire	4-b	Cleveland municipal board	High	USDA, NYSDEC Grant, Municipal budget	Long	N/A	Moderate
Display pre/post hazard awareness and preparedness information on Village website	All Hazards	1-d, 1-b, 1-c, 5-b, 5-e	Cleveland planning board	Low	Municipal Budget, County grant	Short	N/A	High
Purchase portable radios for volunteer and aid worker use to coordinate disaster relief efforts	All Hazards	5-b, 5-c, 5-e	Cleveland municipal board	Low	Municipal Budget, County grant	Moderate	N/A	High
Complete flooding/ drainage analysis for north shore of Oneida Lake to compile actions that would reduce flooding impacts	Severe storm, flood, winter storm	4-d	Cleveland DPW – in partnership with Town of Constantia	High	State grant, County grant	Long	Existing and New	High
Review/implement County regulations and insurance regulations on floodplain management requirements	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Cleveland Floodplain Administrator	Low	Municipal budget	Short	New	High
Enforce/promote smart development that minimizes impacts from natural hazards	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Cleveland Zoning/Code Enforcement Official	Low	Municipal budget	Short	New	High
Implement/revise review board regulations and building/zoning codes for potential hazard mitigation updates	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a, 3-a, 4-a	Cleveland Zoning/Code Enforcement Official	Low	Municipal budget	Short	New and Existing	High
Implement local Land Use Plans to reduce flood impacts (reduce development and promote safe development)	Flood	1-a	Cleveland Planning and Code Enforcement	Medium	Municipal budget	Moderate	New	Low

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Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implementation Timeframe**	**Applies to New or Existing Structures**	**Prioritization**
Assist County with the development and implementation of new public awareness/ education programs for hazard mitigation and preparedness	All hazards	1-b	Cleveland municipal board	High	State grant, County budget	Moderate	N/A	High
Attend County zoning training programs focused on hazard mitigation	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a	Cleveland zoning/code enforcement official	Low	Municipal budget	Short	New and Existing	High
Town of Constantia								
Complete flooding/ drainage analysis for north shore of Oneida Lake to compile actions that would reduce flooding impacts	Severe storm, flood, winter storm	4-d	Constantia highway Dept. – in partnership with Village of Cleveland	High	State grant, County grant	Long	Existing and New	High
Review/implement County regulations and insurance regulations on floodplain management requirements	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Constantia Floodplain Administrator	Low	Municipal budget	Short	New	High
Enforce/promote smart development that minimizes impacts from natural hazards	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Constantia Zoning/Code Enforcement Official	Low	Municipal budget	Short	New	High
Implement/revise review board regulations and building/zoning codes for potential hazard mitigation updates	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a, 3-a, 4-a	Constantia Zoning/Code Enforcement Official	Low	Municipal budget	Short	New and Existing	High
Implement local Land Use Plans to reduce flood impacts (reduce development and promote safe development)	Flood	1-a	Constantia Planning and Code Enforcement	Medium	Municipal budget	Moderate	New	Low

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Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implementation Timeframe**	**Applies to New or Existing Structures**	**Prioritization**
Assist County with the development and implementation of new public awareness/ education programs for hazard mitigation and preparedness	All hazards	1-b	Constantia municipal board	High	State grant, County budget	Moderate	N/A	High
Attend County zoning training programs focused on hazard mitigation	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a	Constantia zoning/code enforcement official	Low	Municipal budget	Short	New and Existing	High
City of Fulton								
Implement response protocols to remove debris jams and ice jams from waterways	Flood, Ice Jam	3-c, 4-d, 4-e, 5-a, 5-e	Fulton DPW/Highway, Fire Depts.	Medium	Municipal budget, County grant	Long	N/A	Moderate
Bank stabilization along Oswego Canal, near Indian Point Trail	Severe storm, flood	4-b, 4-d, 4-e	City of Fulton DPW & Planning	Low	Municipal budget, HGMP grant	Immediate	Existing	High
Review/implement County regulations and insurance regulations on floodplain management requirements	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Fulton Floodplain Administrator	Low	Municipal budget	Short	New	High
Enforce/promote smart development that minimizes impacts from natural hazards	Flood	1-b, 3-a, 4-a, 4-b, 4-d	Fulton Zoning/Code Enforcement Official	Low	Municipal budget	Short	New	High
Implement/revise review board regulations and building/zoning codes for potential hazard mitigation updates	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a, 3-a, 4-a	Fulton Zoning/Code Enforcement Official	Low	Municipal budget	Short	New and Existing	High

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Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implementation Timeframe**	**Applies to New or Existing Structures**	**Prioritization**
Implement local Land Use Plans to reduce flood impacts (reduce development and promote safe development)	Flood	1-a	Fulton Planning and Code Enforcement	Medium	Municipal budget	Moderate	New	Low
Assist County with the development and implementation of new public awareness/ education programs for hazard mitigation and preparedness	All hazards	1-b	Fulton public information official	High	State grant, County budget	Moderate	N/A	High
Attend County zoning training programs focused on hazard mitigation	Severe storm, ice storm, fire, earthquake, tornado, flood, winter storm, utility failure	1-a	Fulton zoning/code enforcement official	Low	Municipal budget	Short	New and Existing	High
Town of Granby								
Implement response protocols to remove debris jams from waterways	Flood	3-c	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Implement response protocols to remove ice jams from waterways	Ice jam	4-d, 4-e, 5-a, 5-e	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Clean out brush to prevent flooding at Sheldon, Lay, and Tannery Creeks	Flood, Severe Storm, Ice Jam, Winter Storm	3-c, 4-d	Town of Granby DPW/Highway Dept.	Moderate	HMGP, Municipal Budget	Moderate	N/A	Moderate
Village of Hannibal								
Conduct a comprehensive engineering assessment of the dam in Hannibal	Flood	5-f	Village of Hannibal municipal board, Town of Hannibal, NYSDEC	High	FEMA, State grant, Municipal budget	Long	Existing	High

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Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implementation Timeframe**	**Applies to New or Existing Structures**	**Prioritization**
Town of Hannibal								
Conduct a comprehensive engineering assessment of the dam in Hannibal	Flood	5-f	Town of Hannibal municipal board, Village of Hannibal, NYSDEC	High	FEMA, State grant, Municipal budget	Long	Existing	High
Town of Hastings								
Implement response protocols to remove debris jams from waterways	Flood	3-c	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Implement response protocols to remove ice jams from waterways	Ice jam	4-d, 4-e, 5-a, 5-e	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Examine and implement ways to reduce flooding issues on north shore of Oneida Lake	Flood	4-d	NYSOEM, FEMA, Municipal Boards, Canal Corp., North Shore Council of Govs.	Medium	HMGP, NYSDEC grant, Municipal budget	Long	Existing	Moderate
Review emergency evacuation signage within I-81 corridor communities – establish such signage if needed	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	County EMO, Hastings municipal board and Highway/DPW Dept., NYSDOT	Medium	State grant, County budget	Short	New and Existing	Low
Village of Lacona								

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Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implementation Timeframe**	**Applies to New or Existing Structures**	**Prioritization**
Review emergency evacuation signage within I-81 corridor communities – establish such signage if needed	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	County EMO, Lacona municipal board and Highway/DPW, NYSDOT	Medium	State grant, County budget	Short	New and Existing	Low
Install security gate and fencing around water storage tank and other infrastructure	Terrorism	4-c	Village of Lacona Highway/DPW Dept.	Moderate	Federal grant, OCWA, state grant	Moderate	New and Existing	High
Village of Mexico								
Enforce zoning regulations in Town/Village of Mexico (Propane warehouse)	Hazmat (fixed site)	3-a, 4-a, 4-b	Town and Village of Mexico code/building enforcement official	Low	Municipal budget	Short	New and Existing	High
Town of Mexico								
Review emergency evacuation signage within I-81 corridor communities – establish such signage if needed	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	County EMO, Municipal Boards and Highway/DPW, NYSDOT	Medium	State grant, County budget	Short	New and Existing	Low
Increase building setbacks along Lake Ontario to reduce erosion potential and impacts	Severe storm, landslide	4-b, 4-d	Municipal Planning Boards, Zoning (if applicable)	Low	Municipal budget	Moderate	New and Existing	Moderate
Enforce zoning regulations in Town/Village of Mexico (Propane warehouse)	Hazmat (fixed site)	3-a, 4-a, 4-b	Town and Village of Mexico code enforcement official	Low	Municipal budget	Short	New and Existing	High

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Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implemen-tation Timeframe**	**Applies to New or Existing Structures**	**Prioriti-zation**
Replace Mungeu Hill Road Bridge in Town of Mexico	Hazmat (in transit), fire	5-f	County Highway, Town of Mexico Highway	High	FHWA, NYSDOT, County Highway, Town Mexico	Moderate	Existing	High
Town of New Haven								
Increase building setbacks along Lake Ontario to reduce erosion potential and impacts	Severe storm, landslide	4-b, 4-d	Municipal Planning Boards, Zoning (if applicable)	Low	Municipal budget	Moderate	New and Existing	Moderate
Town of Orwell								
Install security fencing around public water supply in Town Orwell	terrorism	4-c	Town of Orwell Highway/DPW Dept.	Moderate	Federal grant, OCWA, state grant	Moderate	New and Existing	High
Join the NFIP	Flood, severe storm	4-a, 4-b	Town of Orwell municipal board	Low	FEMA, HMGP	Long	Existing	High
City of Oswego								
Implement response protocols to remove debris jams from waterways	Flood	3-c	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Implement response protocols to remove ice jams from waterways	Ice jam	4-d, 4-e, 5-a, 5-e	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Review SUNY Oswego response plan protocol regarding acts of terrorism, sporting events, and an epidemic event – update annually	Terrorism, epidemic	5-e	SUNY Oswego (lead), Oswego municipal board, County EMO (advisory)	Medium	Private (SUNY Oswego), State grant	Moderate	New and Existing	High
Increase building setbacks along Lake Ontario to reduce erosion potential and impacts	Severe storm, landslide	4-b, 4-d	Oswego planning & zoning board	Low	Municipal budget	Moderate	New and Existing	Moderate
Town of Oswego								

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Increase building setbacks along Lake Ontario to reduce erosion potential and impacts	Severe storm, landslide	4-b, 4-d	Oswego planning & zoning board	Low	Municipal budget	Moderate	New and Existing	Moderate
Establish snow drift caution signage along NYS Route 104 and Route 3 – coordinate with NYS DOT	Winter storm	5-c	County Highway and DPW, NYSDOT, Towns of Oswego and Richland	Medium	State grant, NYSDOT	Long	N/A	Moderate
Village of Parish								
Review emergency evacuation signage within I-81 corridor communities – establish such signage if needed	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	County EMO, Municipal Boards and Highway/DPW, NYSDOT	Medium	State grant, County budget	Short	New and Existing	Low
Town of Parish								
Review emergency evacuation signage within I-81 corridor communities – establish such signage if needed	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	County EMO, Municipal Boards and Highway/DPW, NYSDOT	Medium	State grant, County budget	Short	New and Existing	Low
Village of Pulaski								
Implement response protocols to remove debris jams from waterways	Flood	3-c	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate

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Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implementation Timeframe**	**Applies to New or Existing Structures**	**Prioritization**
Implement response protocols to remove ice jams from waterways	Ice jam	4-d, 4-e, 5-a, 5-e	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Review emergency evacuation signage within I-81 corridor communities – establish such signage if needed	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	County EMO, Municipal Boards and Highway/DPW, NYSDOT	Medium	State grant, County budget	Short	New and Existing	Low
Repair/replace retaining wall between private properties and Salmon River in Village of Pulaski	Flood, landslide	4-d, 4-e	Village of Pulaski highway/DPW dept., NYSDEC	Medium	Municipal budget, HGMP grant	Moderate	Existing	High
Purchase new radios for 911 system – Town Richland and Village Pulaski	All hazards	5-c	Town of Richland Board and Village of Pulaski Board	Low	FEMA, HMGP, State grant, Town/Village budget	Immediate	New	High
Install security fencing around public water supply wells and water tank in Village Pulaski	Terrorism	4-c	Village of Pulaski highway/DPW dept.	Moderate	Federal grant, OCWA, state grant	Moderate	New and Existing	High
Town of Redfield								
Implement response protocols to remove debris jams from waterways	Flood	3-c	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Implement response protocols to remove ice jams from waterways	Ice jam	4-d, 4-e, 5-a, 5-e	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate

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Tree removal CR 39, CR 27, Ryan Rd, Hayes Dr, Jess Dr, Teachout Rd – Town Redfield	Utility failure	3-b	Town of Redfield Highway, County Highway	Low	Town budget, County budget	Moderate	Existing	Moderate
Upgrade culverts/bridges Town of Redfield: Ryan Rd, Yerdon Dr, Harvester Mill Rd, Littlejohn Dr, Abe's Dr, Castor Dr, Fox Rd, CR 17, Waterbury Rd	Severe storm, flood, winter storm, ice jam	4-d, 5-f	Town of Redfield Highway, County Highway	Moderate	FHWA, NYSDOT, County Highway, Town Redfield Highway	Moderate-Long	Existing	High
Town of Richland								
Implement response protocols to remove debris jams from waterways	Flood	3-c	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Implement response protocols to remove ice jams from waterways	Ice jam	4-d, 4-e, 5-a, 5-e	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Review emergency evacuation signage within I-81 corridor communities – establish such signage if needed	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	County EMO, Richland Municipal Board and Highway/DPW, NYSDOT	Medium	State grant, County budget	Short	New and Existing	Low
Increase building setbacks along Lake Ontario to reduce erosion potential and impacts	Severe storm, landslide	4-b, 4-d	Richland planning & zoning board	Low	Municipal budget	Moderate	New and Existing	Moderate

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Establish snow drift caution signage along NYS Route 104 and Route 3 – coordinate with NYS DOT	Winter storm	5-c	County Highway and DPW, NYSDOT, Towns of Oswego and Richland	Medium	State grant, NYSDOT	Long	N/A	Moderate
Purchase new radios for 911 system – Town Richland and Village Pulaski	All hazards	5-c	Town of Richland Board and Village of Pulaski Board	Low	FEMA, HMGP, State grant, Town/Village budget	Immediate	New	High
Village of Sandy Creek								
Install security alarm for chlorination building, filtration plant, and pump houses	Terrorism	4-c	Village of Sandy Creek highway/DPW dept.	High	Municipal Budget, Federal or State Grant	Long	Existing	High
Improve stormwater drainage along Route 11 (between Park St. and Harwood Ave.) and Lake Road (between post office and Harwood Ave.)	Flood, Severe Storm, Winter Storm, Coastal Storm	3-c, 4-d	Village of Sandy Creek Highway Dept., NYSDOT	Moderate	Municipal Budget, County Budget, NYSDOT Funds	Moderate	N/A	High
Review emergency evacuation signage within I-81 corridor communities – establish such signage if needed	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	County EMO, Municipal Boards and Highway/DPW, NYSDOT	Medium	State grant, County budget	Short	New and Existing	Low
Town of Sandy Creek								

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Review emergency evacuation signage within I-81 corridor communities – establish such signage if needed	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	County EMO, Municipal Boards and Highway/DPW, NYSDOT	Medium	State grant, County budget	Short	New and Existing	Low
Increase building setbacks along Lake Ontario to reduce erosion potential and impacts	Severe storm, landslide	4-b, 4-d	Sandy Creek planning board	Low	Municipal budget	Moderate	New and Existing	Moderate
Pre/post hazard awareness and preparedness information on Town website	All Hazards	1-d, 1-b, 1-c, 5-b, 5-e	Town of Sandy Creek public information official	Low	FEMA, HMGP Grant, Municipal Budget	Short	N/A	High
Purchase portable radios for volunteer and aid worker use to coordinate disaster relief efforts	All Hazards	5-b, 5-c, 5-e	Town of Sandy Creek fire dept., County EMO	Low	FEMA, HMGP Grant, Municipal Budget	Moderate	N/A	High
Acquire/install dry hydrants in populated areas for fire suppression	Fire, Wildfire	4-b	Town of Sandy Creek municipal board	High	USDA RD funding, state grants	Long	New and Existing	Moderate
Purchase anti-icing equipment for Town vehicles (plows)	Winter storm, severe storm, ice storm	3-c	Town of Sandy Creek highway/DPW dept., municipal board	Low	Municipal budget	Moderate	N/A	Moderate
Upgrade culverts at Norton, Snyder, Henderson, Tryon Roads in Town Sandy Creek	Severe storm,, flood, winter storm, ice jam	4-d, 5-f	Town of Sandy Creek Highway, County Highway	Moderate	FHWA, NYSDOT, County Highway, Town Sandy Creek Highway	Moderate-Long	Existing	High
Town of Scriba								

Appendix F – County and Shared Hazard Mitigation Action Implementation Details								
Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implementation Timeframe**	**Applies to New or Existing Structures**	**Prioritization**
Implement response protocols to remove debris jams from waterways	Flood	3-c	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Implement response protocols to remove ice jams from waterways	Ice jam	4-d, 4-e, 5-a, 5-e	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Increase building setbacks along Lake Ontario to reduce erosion potential and impacts	Severe storm, landslide	4-b, 4-d	Scriba planning & zoning board	Low	Municipal budget	Moderate	New and Existing	Moderate
Town of Volney								
Implement response protocols to remove debris jams from waterways	Flood	3-c	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Implement response protocols to remove ice jams from waterways	Ice jam	4-d, 4-e, 5-a, 5-e	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	Medium	County budget	Long	N/A	Moderate
Town of West Monroe								
Examine and implement ways to reduce flooding issues on north shore of Oneida Lake	Flood	4-d	NYSOEM, FEMA, West Monroe Municipal Board, Canal Corp., North Shore Council of Govs.	Medium	HMGP, NYSDEC grant, Municipal budget	Long	Existing	Moderate
Complete flooding/ drainage analysis to reduce flood impacts to properties along north shore of Oneida Lake	Severe storm, flood, winter storm	4-d	West Monroe municipal board, planning board	High	USACE, FEMA	Long	Existing and New	High

Appendix F – County and Shared Hazard Mitigation Action Implementation Details								
Proposed Mitigation Action	**Hazard(s) Mitigated**	**Goals and Objectives Met**	**Potential Implementing Agency**	**Estimated Cost Level**	**Potential Funding Sources**	**Implementation Timeframe**	**Applies to New or Existing Structures**	**Prioritization**
Review emergency evacuation signage within I-81 corridor communities – establish such signage if needed	Severe storm, ice storm, earthquake, tornado, flood, wildfire, winter storm, coastal storm, landslide, terrorism, hazmat (transit)	5-c, 5-e	County EMO, West Monroe municipal boards and Highway/DPW, NYSDOT	Medium	State grant, County budget	Short	New and Existing	Low
Install programmable emergency message sign and backup generator at Town of West Monroe Town Hall	All hazards	5-d	Town of West Monroe Town Board and planning board	Moderate	FEMA, HGMP grant	Moderate	Existing	Moderate
Town of Williamstown								
Improve public education and awareness – possibly through creation of a Public Information Official position	All hazards	1-b, 1-c	Town of Williamstown board	Low	Municipal budget	Moderate	N/A	Low
Join the NFIP	Flood, severe storm	4-a, 4-b	Town of Williamstown municipal board	Low	FEMA, HMGP	Long	Existing	High

DOH = Department of Health
DOT = Department of Transportation
EMO = Emergency Management Office
NYSDEC = New York State Department of Environmental Conservation
FEMA = Federal Emergency Management Agency
FHWA = Federal Highway Administration
OCWA = Onondaga County Water Authority
HMGP = Hazard Mitigation Grant Program
HMGP funded projects must be cost effective, provide a permanent or long-term solution, be environmentally sound, and be consistent with state and local hazard mitigation strategies.