

Data Summary Matrix

Data Matrix - Rev. 11/03/06 Broome County Multi-Jurisdictional Hazard Mitigation Plan

	Critical	Desirable	Non-HAZUS Desirable	Available	Hazard Priority	C = Complete P = Partial M = Missing	Source/Date	Comments
(1) Political Boundary								
County Boundary			✓	Yes	N/A	C	BC GIS	
Municipalities			✓	Yes	N/A	C	BC GIS	
NY Counties			✓	Yes	N/A	C	ESRI	Generalized NY county outlines from ESRI (2001)
(2) Base Map (Planimetric Data)								
Building Footprints/Points			✓	Yes	N/A	P	BC GIS	Buildings (no attributes).
Parcel and Lot lines			✓	Yes	N/A	C	BC GIS	
Landmarks			✓	Yes	N/A	C	CUGIR - from Census 2000	
(3) Hydrographic								
Rivers, Creeks, Stream Centerlines	✓			Yes	N/A	C	BC GIS	
Lakes, Ponds, and Bodies of Water	✓			Yes	N/A	P	BC GIS	Limited attribution
Wetlands			✓	Yes	N/A	C	BC GIS	
Drainage Basins	✓			Yes	N/A	C	BC GIS	
Impaired Water				Yes	N/A	C	BC GIS	Impaired lakes
(4) Hypsographic								
Contour Lines	✓			Yes	N/A	M	USGS and BC GIS	BC has 10 ft intervals available, or can be generated from DEM as needed.
USGS Topographic Quads			✓	Yes	N/A	C	USGS from BCGIS	All 24K scale topo quads, with collar.
Digital Elevation Model	✓			Yes	N/A	C	USGS	10m DEMs from USGS Seamless
(5) Demographic Data								
Census Blocks	✓			Yes	N/A	C	HAZUS-MH	
Census Tracts	✓			Yes	N/A	C	HAZUS-MH	
(6) Land Use								
Land Use / Land Cover			✓	Yes	N/A	P	BC GIS	National Land Cover Dataset (NLCD).
Zoning			✓	Yes	N/A	P	BC GIS	
Urban Core Planning Areas			✓		N/A	M		
Neighborhood Planning Areas			✓		N/A	M		
Parks and Recreation Areas			✓	Yes	N/A	C	BC GIS	Parks, Forests, State land, etc.
Soils			✓	Yes	N/A	C	USDA	Available from USDA-SCS as SSURGO or STATSGO
(7) Imagery and Scanned Maps								
Orthophotography			✓	Yes	N/A	C	BC GIS	1999 and 2002 available
Scanned Flood Images			✓		N/A	M		
(8) Administrative								
Fire Districts			✓	Yes	N/A	C	BC GIS	
Schools Districts			✓	Yes	N/A	C	BC GIS	
New York Zip Codes			✓	Yes	N/A	C	ESRI, CUGIR	
Electric Service Area			✓		N/A	M		
Gas Service Area			✓		N/A	M		
Sewerage Areas			✓	Yes	N/A	P	BC GIS	BC GIS Sewage Treatment Facilities. Sewer Districts dataset is incomplete.
Municipal Service Area			✓		N/A	M		
Flood (Riverine)								
FIRM Flood	✓			Yes	Medium-High	C	BC GIS	Q3
Historical Flood Events of the Area		✓		Yes		P	Various	Textual Documentation 2006 Flood
Base Flood Elevation	✓			Yes		C	FEMA FIRM	Can be obtained from FEMA as unregistered TIFF images.
Inundation Mapping	✓				M			
Hurricane Winds								
Baseline Wind speed Data (3 second gust) Maps (MRP = 100, 500, 1000 yrs)	✓				Medium - Low	M		
Historical Hurricane Events and Tracks for the Area	✓			Yes		P	HAZNY; NOAA	Textual Documentation; Tabular data from NOAA NCDC Storm Events Database
Probability Frequency of CAT 1- CAT 5 Storms	✓			Yes		C	NOAA	Can be estimated from NOAA NCSC Storm Events Database data

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Tornado Winds								
ASCE Design Wind speed.	✓			Yes	Medium - Low	M	ASCE	
Historical Tornado Events and Track Map	✓			Yes		P	HAZNY; NOAA	Textual Documentation; Tabular data from NOAA NCDC Storm Events Database
Probability Frequency of F1-F5 Storms	✓			Yes		C	NOAA	Can be estimated from NOAA NCSC Storm Events Database data
Surface Roughness	✓					M		
Windstorm								
Wind speed Data (3 second gust) Maps (MRP = 100, 500, 1000 yrs)	✓			Yes	Medium-High	P	Various	Available from Cornell, NOAA, and other sources
Historical Windstorm Events for the Area	✓			Yes		P	HAZNY; NOAA	Textual Documentation; Tabular data from NOAA NCSC Storm Events Database
Hailstorm								
Historical Hail Events and Strike Map	✓			Yes	Medium-High	P	NOAA	Tabular data from NOAA NCSC Storm Events Database. Hailstorms may be covered under Severe Winter Storms
Probability Frequency and Intensity of Different Storms: Hail Size, Duration, and Number of Hails per square foot	✓			Yes		C	NOAA	Can be estimated from NOAA NCSC Storm Events Database data
Wildfire								
Historical Wildfire Occurrence in the Area (data, location, area burned, \$ loss, casualties)	✓			Yes	Medium-Low Woodland Fires not Identified in HAZNY	P	HAZNY	Textual Documentation
Historical Rainfall for the Area	✓			Yes		M	Various	Available from Cornell, NOAA, and other sources
Vegetative Cover (fuel maps)	✓			Yes		P	NYDEC	Land cover data
Severe Winter Storm (Snow)								
Historical Winter Storms for the Area			✓	Yes	Medium-Low Woodland Fires not	C	HAZNY; NOAA	Textual Documentation; Tabular data from NOAA NCDC Storm Events Database
Probability for Ice Accumulation			✓	Yes		C	NOAA	Can be estimated from NOAA NCSC Storm Events Database data
Drought								
History of Regional Drought Conditions (date, \$ loss, severity, duration)			✓	Yes	Low (Not identified in HAZNY analysis)	M	Various	Available from Cornell, NOAA, and other sources
Historical Rainfall for the Area			✓	Yes		M	Various	Available from Cornell, NOAA, and other sources
Crop Typology			✓	Yes		P	Cornell Ext. & USDA	LULC has agricultural areas mapped; USDA and Cornell Extension have provided tabular data on crop yields
Extreme Temperatures								
Historical Temperature for the Area			✓	Yes	Low (Not identified in HAZNY analysis)	M	Various	Available from Cornell, NOAA, and other sources
History of Past Extreme Heat Events (date, \$loss, deaths, duration, severity)			✓	Yes		M	Various	Available from Cornell, NOAA, and other sources
Epidemic								
Historical Information on Outbreaks			✓	Yes	Medium-High	M	BC Health; NYSDOH: CDC	
(1) Transportation Systems								
Highway Systems (roads)	✓			Yes	N/A	C	BC GIS HAZUS-MH	Dirt roads and paved roads incomplete (just Dickinson). DOT roads (labeled "911" on CD); Has level and ownership. Routes file contains county roads/routes
Highway Systems (bridges)	✓			Yes	N/A	P	BC GIS	Includes information on NYS Bridge Inventory Inspection System (BIIS) location and region. No ownership or valuation attribution.
Highway Systems (tunnels)	✓				N/A	M		
Railway Systems	✓			Yes	N/A	C	BC GIS	Railroads in BC, with owner name, line name, active/inactive, etc.
Ports and Harbor Facilities	✓			N/A	N/A	N/A	N/A	
Airport Facilities and Runways	✓			Yes	N/A	P	BC GIS HAZUS-MH	
Public Transportation System (facilities, bus stops)	✓			Yes	N/A	P	BC GIS	Bus stops in southwestern portion of county; DOT facilities;
Light Rail Systems (facilities, tracks, bridges, tunnels)	✓				N/A	N/A		

