

**Table 1. Availability and format of water-resources information from participating counties in western New York, by county**

[D, data available in digital form (generally can be printed on paper; P, data available in paper form; D&P, data available in digital and(or) paper form.

A dash indicates data are unavailable. No data are available for Seneca or Wayne Counties.]

| County     | Aerial photos | Agri-cultural districts | County &/or municipal boundaries | Geology | Hazardous waste sites | Hydrography &/or flood plains | Land use | Roads, rail lines, &/or trails | School districts | Soils | Tax parcels | Topography | Water &/or sewer lines | Water-shed boundaries | Wetlands | Zoning maps | Page no. in table 2 |
|------------|---------------|-------------------------|----------------------------------|---------|-----------------------|-------------------------------|----------|--------------------------------|------------------|-------|-------------|------------|------------------------|-----------------------|----------|-------------|---------------------|
| Allegany   | P             | P                       | D                                | P       | D&P                   | P                             | P        | D&P                            | D                | P     | D&P         | P          | D&P                    | P                     | --       | P           |                     |
| Cayuga     | P             | D                       | D&P                              | D       | D                     | D&P                           | D&P      | D&P                            | D&P              | P     | P           | P          | P                      | D&P                   | D&P      | D&P         |                     |
| Chemung    | --            | --                      | D                                | D       | D                     | D                             | D        | D                              | P                | D     | D           | D&P        | D                      | D                     | D        | D           |                     |
| Cortland   | P             | D                       | D                                | --      | D                     | D                             | D        | D                              | D                | D&P   | D           | D&P        | P                      | --                    | D        | P           |                     |
| Genesee    | P             | D                       | D                                | --      | --                    | D                             | --       | D                              | P                | P     | D&P         | P          | P                      | D                     | --       | D&P         |                     |
| Hamilton   | P             | --                      | P                                | --      | --                    | --                            | P        | P                              | P                | P     | P           | P          | --                     | --                    | P        | --          |                     |
| Jefferson  | --            | --                      | --                               | --      | --                    | --                            | --       | --                             | --               | --    | --          | --         | --                     | --                    | --       | --          |                     |
| Lewis      | P             | P                       | P                                | --      | P                     | P                             | P        | P                              | D                | P     | P           | P          | P                      | D                     | P        | --          |                     |
| Livingston | P             | D&P                     | D&P                              | --      | D&P                   | D&P                           | D&P      | D&P                            | D                | D&P   | P           | P          | P                      | D&P                   | --       | D&P         |                     |
| Madison    | --            | P                       | D                                | --      | --                    | D                             | --       | --                             | D                | D&P   | D&P         | --         | --                     | D&P                   | --       | P           |                     |
| Monroe     | P             | D&P                     | D&P                              | --      | P                     | D&P                           | D&P      | D&P                            | D&P              | D&P   | D&P         | P          | D&P                    | D&P                   | D&P      | D&P         |                     |
| Niagara    | P             | P                       | P                                | --      | P                     | P                             | --       | P                              | P                | D&P   | D&P         | P          | P                      | P                     | D&P      | P           |                     |
| Oneida     | D             | D                       | D                                | --      | --                    | --                            | --       | --                             | --               | D     | D           | --         | --                     | --                    | --       | --          |                     |
| Onondaga   | D             | D                       | D                                | D       | --                    | D                             | D        | D                              | D                | D&P   | D           | P          | D                      | D                     | D        | --          |                     |
| Ontario    | P             | D                       | D                                | D       | --                    | D                             | D        | D                              | D                | D     | D           | P          | D                      | D                     | --       | D           |                     |
| Orleans    | --            | D                       | D                                | D       | --                    | D                             | D        | D                              | --               | D     | D           | D          | --                     | D                     | --       | D           |                     |
| Oswego     | P             | D                       | D                                | D       | --                    | D                             | D&P      | D                              | P                | D     | P           | P          | D                      | D                     | D        | --          |                     |
| Schuyler   | P             | D                       | D                                | P       | --                    | D                             | D&P      | D&P                            | P                | D&P   | P           | P          | D&P                    | D&P                   | D&P      | D           |                     |
| Steuben    | P             | D                       | D                                | D       | D                     | D                             | D        | D                              | D&P              | D     | D           | P          | D                      | D                     | D        | D           |                     |
| Tompkins   | P             | D                       | D                                | P       | --                    | D                             | P        | D                              | D                | D&P   | D           | D          | --                     | D                     | D        | D&P         |                     |
| Wyoming    | --            | D                       | P                                | D       | P                     | D&P                           | --       | P                              | --               | D&P   | P           | P          | --                     | P                     | --       | --          |                     |
| Yates      | D&P           | D                       | D                                | D       | --                    | D                             | D        | D                              | D                | D     | D           | D          | D                      | D                     | D        | D           |                     |

**Table 2. Water-resources-data categories, and their sources and scale, in participating western New York Counties, by county [ &/or = and(or). Dept. = Department. Dashes indicate information is unavailable.]**

**Allegany County**

Primary GIS contact - Fred Sinclair, Soil & Water Conservation District (716) 268-7831

Primary GIS software - GRASS

| Database category                | Contact  | Source scale    |
|----------------------------------|--|-----------------|
| Aerial photographs               | Soil & Water Conservation District, Fred Sinclair (716) 268-7831 | --              |
| Agricultural districts           | "  | 1:24,000        |
| County &/or municipal boundaries | "  | --              |
| Geology                          | "  | --              |
| Hazardous waste sites            | "  | --              |
| Hydrography &/or floodplains     | "  | 1:24,000; other |
| Land use                         | "  | --              |
| Roads, rail lines, &/or trails   | "  | --              |
| School districts                 | "  | --              |
| Soils                            | "  | 1:250,000       |
| Tax parcels                      | "  | --              |
| Topography                       | "  | --              |
| Water & sewer lines              | Health Dept., Hans Peters (716) 268-9250                         | --              |
| Watershed boundaries             | Soil & Water Conservation District, Fred Sinclair (716) 268-7831 | --              |
| Wetlands                         | --   | --              |
| Zoning maps                      | Soil & Water Conservation District, Fred Sinclair (716) 268-7831 | --              |

**Other information:** Information on municipal well-head location, public water supplies, and sewage and septic systems:

Geospatial information is available at scale of 1:24,000 for the following:

- Cuba Lake and Rushford Lake watersheds                      municipal wellheads
- classified streams    priority waterbodies
- targeted watersheds    the Seneca Nation
- Oil Springs    wildlife refuges
- Moss Lake Nature Conservancy;                                    historic sites

## Cayuga County

Primary GIS contact - Nick Colas, County Planning Department (315) 253-1276

Primary GIS software - ARC/INFO, ArcView

| Database category                | Contact   | Source scale    |
|----------------------------------|---|-----------------|
| Aerial photographs               | County Planning Department, Nick Colas (315) 253-1276 | variable        |
| Agricultural districts           | “   | 1:24,000        |
| County &/or municipal boundaries | “   | “               |
| Geology                          | “   | 1:250,000       |
| Hazardous waste sites            | “   | variable        |
| Hydrography &/or flood plains    | “   | 1:24,000, other |
| Land use                         | “   | 1:24,000        |
| Roads, rail lines, &/or trails   | “   | “               |
| School districts                 | “   | 1:95,040        |
| Soils                            | “   | 1:15,840        |
| Tax parcels                      | “   | variable        |
| Topography                       | “   | 1:24,000        |
| Water & sewer lines              | “   | variable        |
| Watershed boundaries             | “   | 1:63,360        |
| Wetlands                         | “   | 1:24,000        |
| Zoning maps                      | “   | variable        |

Other information:

Partial unique digital data coverages are available for the following:

|                       |                       |
|-----------------------|-----------------------|
| hazardous-waste sites | hydrology             |
| soils                 | tax maps              |
| topography            | water and sewer lines |
| zoning maps.          |                       |

Full digital coverages are available for the following:

911 (emergency) access points, economic development zones, and parkland recreation areas.

## Chemung County

Primary GIS contact - Ron Shetler, Real Property Tax Services (607) 737-2988

Primary GIS software - ArcView

| Database category                | Contact*  | Source scale |
|----------------------------------|---|--------------|
| Aerial photographs               | --  | --           |
| Agricultural districts           | --  | --           |
| County &/or municipal boundaries | Planning Dept., Dave Bubniak (607) 737-5510;<br>STCRPDB, Dara Fell (607) 962-5092   | --           |
| Geology                          | " a   | --           |
| Hazardous waste sites            | "   | --           |
| Hydrography &/or floodplains     | "   | --           |
| Land use                         | " b   | --           |
| Roads, rail lines, &/or trails   | "   | --           |
| School districts                 | Real Property Tax Services, Ron Shetler (607) 737-2988                              | --           |
| Soils                            | Planning Dept., Dave Bubniak (607) 737-5510;<br>STCRPDB, Dara Fell (607) 962-5092   | --           |
| Tax parcels                      | Real Property Tax Services, Ron Shetler (607) 737-2988                              | --           |
| Topography                       | Planning Dept., Dave Bubniak (607) 737-5510;<br>c STCRPDB, Dara Fell (607) 962-5092 | --           |
| Water & sewer lines              | " d   | --           |
| Watershed boundaries             | "   | 1:100,000    |
| Wetlands                         | "   | --           |
| Zoning maps                      | " e   | --           |

\* STCRPDB, Southern Tier Central Region Planning and Development Board

<sup>a</sup> Surficial geology from Upper Susquehanna Coalition study.

<sup>b</sup> From LANDSAT images.

<sup>c</sup> Partial coverage for well-head protection area in Town of Horseheads.

<sup>d</sup> Locations of SPEDES discharges.

<sup>e</sup> For selected cities (e.g. Elmira).

### Other information:

STCRPDB (<http://www.stcrpdb.dst.ny.us/>) has many other point, line, and polygon coverages for county.

Weiler Mapping Inc. (contact: John Trimber (607) 739-4476) maintains county tax parcel maps.

Other data available from County Planning Department include: locations of water wells tested for chemical quality; road-bank erosion sites; and stressed-streambank segment inventory (from Upper Susquehanna Coalition study).

## Cortland County

Primary GIS contact - Dan Dineen, Planning Dept. (607) 753-5043

Primary GIS software - ARC/INFO

| Data category                    | Contact  | Source scale |
|----------------------------------|--|--------------|
| Aerial photographs               | Farm Services Agency, Tina Whiteman (607) 753-0851   | 1:7200       |
| Agricultural districts           | Planning Dept., Dan Dineen (607) 753-5043  | --           |
| County &/or municipal boundaries | "  | 1:24,000     |
| Geology                          | --   | --           |
| Hazardous waste sites            | "  | --           |
| Hydrography &/or floodplains     | "  | --           |
| Land use                         | "  | 1:250,000    |
| Roads, rail lines, &/or trails   | *Planning Dept., Dan Dineen (607) 753-5043   | 1:24,000     |
| School districts                 | Planning Dept., Dan Dineen (607) 753-5043  | 1:100,000    |
| Soils                            | Soil & Water Conservation District, Amanda Barber (607) 756-5991;<br>Planning Dept., Dan Dineen (607) 753-5043 | 1:250,000    |
| Tax parcels                      | Planning Dept., Dan Dineen (607) 753-5043  | --           |
| Topography                       | Soil & Water Conservation District, Amanda Barber (607) 756-5991;<br>Planning Dept., Dan Dineen (607) 753-5043 | 1:24,000     |
| Water & sewer lines              | Health Dept., Peter Rynklewicz (607) 753-0651  | --           |
| Watershed boundaries             | --   | --           |
| Wetlands                         | Planning Dept., Dan Dineen (607) 753-5043  | 1:24,000     |
| Zoning maps                      | --   | --           |

\* From scanned topographic maps.

Also available are digital coverages of: contour lines (20' interval); slope (percent); and zip-code boundaries.

## Genesee County

Primary GIS contact - George Squires, Soil & Water Conservation District (716) 343-2362

Primary GIS software - Atlas GIS

| Database category                  | Contact*   | Source scale      |
|------------------------------------|--|-------------------|
| Aerial photographs                 | a Planning Dept., Robert Patterson (716) 344-2580 x5468<br>SWCD, George Squires (716) 343-2362 | 1:4,800; 1:12,000 |
| Agricultural districts             | SWCD, George Squires (716) 343-2362;<br>Planning Dept., Robert Patterson (716) 344-2580 x5468  | --                |
| County and/or municipal boundaries | Planning Dept., Robert Patterson (716) 344-2580 x5468  | --                |
| Geology                            | --   | --                |
| Hazardous waste sites              | --   | --                |
| Hydrography and/or flood plains    | SWCD, George Squires (716) 343-2362  | --                |
| Land use                           | --   | --                |
| Roads, rail lines, &/or trails     | Planning Dept., Jim Duval (716) 344-2580 x5471   | --                |
| School districts                   | Planning Dept., Robert Patterson (716) 344-2580 x5468  | --                |
| Soils                              | SWCD, George Squires (716) 343-2362  | 1:15,840          |
| Tax parcels                        | Real Property Dept., Joe Macaluso (716) 344-2550 x2218   | --                |
| Topography                         | SWCD, George Squires (716) 343-2362  | --                |
| Water & sewer lines                | b Corneles Engineering, Scott Harter (716) 427-0320  | --                |
| Watershed boundaries               | SWCD, George Squires (716) 343-2362  | --                |
| Wetlands                           | --   | --                |
| Zoning maps                        | Planning Dept., Robert Patterson (716) 344-2580 x5468  | 1:24,000; other   |

\* SWCD, Soil & Water Conservation District

<sup>a</sup> Aerial photographs taken in 1938, 1954, 1963, 1968, 1974, and 1985.

<sup>b</sup> Limited to certain municipalities (e.g. Batavia).

Other information: Also available are:

paper and digital information on Batavia Wellhead Protection Project (contact Robert Patterson, Planning Department (716) 344-2580 x5468); census data (paper format, contact Jim Duval, Planning Department (716) 344-2580 x5471); and enhanced TIGER maps showing locations of traffic-control devices (contact Jim Duval).

## Hamilton County

Primary GIS contact - Soil & Water Conservation District (518) 548-3991

Primary GIS software - None

| Data category                    | Contact  | Source scale              |
|----------------------------------|--|---------------------------|
| Aerial photographs               | Soil & Water Conservation District (518) 548-3991<br>Real Property Services (518) 548-5531 | 1:24,000                  |
| Agricultural districts           | --   | --                        |
| County &/or municipal boundaries | Real Property Services (518) 548-5531  | 1:1,200; 1:2,400; 1:7,200 |
| Geology                          | --   | --                        |
| Hazardous waste sites            | --   | --                        |
| Hydrography &/or floodplains     | --   | --                        |
| Land use                         | a Real Property Services (518) 548-5531  | 1:177,408                 |
| Roads, rail lines, &/or trails   | Real Property Services (518) 548-5531  | 1:24,000; 1:142,560       |
| School districts                 | Real Property Services (518) 548-5531  | 1:12,000                  |
| Soils                            | Soil & Water Conservation District (518) 548-3991  | 1:24,000                  |
| Tax parcels                      | Real Property Services (518) 548-5531  | 1:1,200; 1:2,400; 1:7,200 |
| Topography                       | Soil & Water Conservation District (518) 548-3991<br>Real Property Services (518) 548-5531 | 1,24,000; 1:62,500        |
| Water & sewer lines              | --   | 1:12,000                  |
| Watershed boundaries             | Real Property Services (518) 548-5531  | --                        |
| Wetlands                         | --   | 1:12,000                  |
| Zoning maps                      | --   | --                        |

<sup>a</sup> Land-use information in paper form also available for Towns of:

Arietta (518) 548-3415);  
Indian Lake (518) 648-5885);  
Long Lake (518) 5624-5441);  
Wells (518) 924-7912).

Benson (518) 863-8596);  
Inlet (518) 357-2204);  
Morehouse (315) 826-3052);

Hope (518) 924-4060);  
Lake Pleasant (518) 548-5204);  
Speculator (518) 548-7352);

Information in paper form also available on countywide ambulance districts and census-block limits; contact Real Property Services (518) 548-5531.

For GIS information, contact Soil & Water Conservation District (518) 548-3991.

## Jefferson County

No significant countywide data sets.

The Tug Hill Commission (<http://www.imcnet.net/TugHill/tughill.html>) has a variety of digital data for the southern part of the county.

Fort Drum Military Reservation has data for the Army base but has not shared it with the county.

The Nature Conservancy has done some mapping of environmentally sensitive areas in the county.

## Lewis County

Primary GIS contact - John Stewart, Soil & Water Conservation District (315) 376-6122

Primary GIS software - ArcView

| Data category                    | Contact*                                      | Source scale |
|----------------------------------|---|--------------|
| Aerial photographs               | Tax Office, Clerk (315) 376-5324              | 1:9,600      |
| Agricultural districts           | SWCD, John Stewart (315) 376-6122             | 1:24,000     |
| County &/or municipal boundaries | Planning Dept., John McHugh (315) 376-5422    | 1:126,720    |
| Geology                          | --  | --           |
| Hazardous waste sites            | Highway Dept., Gary Buckingham (315) 376-5351 | --           |
| Hydrography &/or floodplains     | SWCD, John Stewart (315) 376-6122             | 1:24,000     |
| Land use                         | SWCD, John Stewart (315) 376-6122             | 1:24,000     |
| Roads, rail lines, &/or trails   | Highway Dept., Gary Buckingham (315) 376-5351 | --           |
| School districts                 | --  | --           |
| Soils                            | SWCD, John Stewart (315) 376-6122             | 1:24,000     |
| Tax parcels                      | Tax Office, Clerk (315) 376-5324              | 1:9,600      |
| Topography                       | SWCD, John Stewart (315) 376-6122             | 1:24,000     |
| Water & sewer lines              | Health Dept, Tom Boxberger (315) 785-2277     | --           |
| Watershed boundaries             | --  | --           |
| Wetlands                         | SWCD, John Stewart (315) 376-6122             | 1:24,000     |
| Zoning maps                      | --  | --           |

\* SWCD, Soil and Water Conservation District

### Other Information:

Planning Department (contact Jon McHugh) also has census and land-cover information.

Highway Department (contact Gary Buckingham) also has locations of landfills, road-salt stockpiles, and drainageways.

Primary GIS software is ArcView 3.0.



## Livingston County

Primary GIS contact - Angela Ellis, Planning Department (716) 243-7550

Primary GIS software - ArcView, Atlas GIS

| Data category                    | Contact  | Source scale |
|----------------------------------|--|--------------|
| Aerial photographs               | Soil & Water Conservation District (SWCD), Peter Kanouse (716) 382-3214                                    | 1:12,000     |
| Agricultural districts           | Planning Dept., Angela Ellis (716) 243-7550  | 1:24,000     |
| County &/or municipal boundaries | “  | variable     |
| Geology                          | Environmental Health Dept., Ralph Van Houten (716) 243-7280<br>Planning Dept., Angela Ellis (716) 243-7550 | variable     |
| Hazardous waste sites            | Public Works Dept., Cathy Muscarella (716) 346-3523  | 1:253,440    |
| Hydrography &/or floodplains     | Planning Dept., Angela Ellis (716) 243-7550  | variable     |
| Land use                         | “  | variable     |
| Roads, rail lines, &/or trails   | Highway Dept., Don Higgins (716) 346-3520<br>Planning Dept., Angela Ellis (716) 243-7550                   | variable     |
| School districts                 | Planning Dept., Angela Ellis (716) 243-7550  | variable     |
| Soils                            | SWCD, Peter Kanouse (716) 382-3214;<br>Planning Dept., Angela Ellis (716) 243-7550                         | 1:31,680     |
| Tax parcels                      | Real Property Tax Services, Richard Shefflin (716) 243-7192  | 1:4,800      |
| Topography                       | Planning Dept., Angela Ellis (716) 243-7550  | 1:24,000     |
| Water & sewer lines              | Public Works Dept., Cathy Muscarella (716) 346-3523  | variable     |
| Watershed boundaries             | Planning Dept., Angela Ellis (716) 243-7550  | variable     |
| Wetlands                         | --   | --           |
| Zoning maps                      | Planning Dept., Angela Ellis (716) 243-7550  | --           |

**Other Information:** Contact Angela Ellis (716) 243-7550 for information on:

“Chemical analysis and nutrient loading of streams entering Conesus Lake”, by J.C. Macarewicz (SUNY Brockport; paper report);  
stressed-stream analyses for various streams entering Conesus Lake (paper data);  
Conesus Lake Inventory (1994; paper and digital data);  
Conesus Inlet Fish & Wildlife Management Area (paper and digital data); Genesee Valley Greenway (paper and digital data);  
locations of recycling drop-off centers (paper and digital data);  
ground-water availability and well yields (from U.S. Geological Survey Report; paper and digital data);  
environmentally sensitive overlay districts (paper data).

Other available information includes: priority watersheds (paper data; contact James Booth, Natural Resources Conservation Service (716) 382-3214);  
farm surveys (paper data; contact Peter Kanouse, Soil & Water Conservation District (716) 382-3214);  
Livingston County Agriculture Study (paper data; contact Bruce Dehm (716) 243-4427);  
water-quality sampling and monitoring, environmental permits (paper and digital data; contact Ralph Van Houten, Environmental Health Department (716) 243-7280);  
historically significant sites (paper data; contact M. Patricia Schaap, County Historian (716) 243-2311);  
locations of mines and oil and gas wells (paper data; contact Ralph Van Houten).

## Madison County

Primary GIS contact - Lisa Welch, Planning Department (315) 366-2376

Primary GIS software - ARC/INFO, ArcView

| Data category                    | Contact   | Source scale                     |
|----------------------------------|---|----------------------------------|
| Aerial photographs               | --  | --                               |
| Agricultural districts           | Planning Dept., Lisa Welch (315) 366-2376               | 1:24,000                         |
| County &/or municipal boundaries | "   | 1:600; 1:1200; 1:2400;<br>1:4800 |
| Geology                          | --  | --                               |
| Hazardous waste sites            | --  | --                               |
| Hydrography &/or floodplains     | Planning Dept., Lisa Welch (315) 366-2376               | 1:24,000                         |
| Land use                         | --  | --                               |
| Roads, rail lines, &/or trails   | --  | --                               |
| School districts                 | Planning Dept., Lisa Welch (315) 366-2376               | 1:600; 1:1200; 1:2400;<br>1:4800 |
| Soils                            | "   | 1:24,000; 1:62,500               |
| Tax parcels                      | Real Property Tax Services, Cathy Conrad (315) 366-2348 | 1:600; 1:1200; 1:2400;<br>1:4800 |
| Topography                       | --  | --                               |
| Water & sewer lines              | --  | --                               |
| Watershed boundaries             | Planning Dept., Lisa Welch (315) 366-2376               | 1:24,000                         |
| Wetlands                         | --  | --                               |
| Zoning maps                      | Planning Dept., Lisa Welch (315) 366-2376               | variable                         |

### Other information:

Planning Department also has several nonunique digital and paper data sets that are available from State or Federal sources.

Primary GIS software is PC ARC/INFO (contact Lisa Welch, Planning Department (315) 366-2376).

## Monroe County

Primary GIS contact - Tom Goodwin, Planning & Development Office (716) 428-5418

Primary GIS software - ARC/INFO, ArcView

| Data category                    | Contact  | Source scale |
|----------------------------------|--|--------------|
| Aerial photographs               | Planning & Development Office, Tom Goodwin (716) 428-5418        | 1:12,000     |
| Agricultural districts           | “  | “            |
| County &/or municipal boundaries | “  | “            |
| Geology                          | --   | “            |
| Hazardous waste sites            | Environmental Management Council (716) 274-8137                  | “            |
| Hydrography &/or floodplains     | Planning & Development Office, Tom Goodwin (716) 428-5418        | “            |
| Land use                         | “  | “            |
| Roads, rail lines, &/or trails   | *Center for Governmental Research, Scott Sherwood (716) 325-6360 | --           |
| School districts                 | Planning & Development Office, Tom Goodwin (716) 428-5418        | 1:12,000     |
| Soils                            | “  | “            |
| Tax parcels                      | “  | 1:2,400      |
| Topography                       | “  | 1:2,400      |
| Water & sewer lines              | “  | 1:12,000     |
| Watershed boundaries             | “  | “            |
| Wetlands                         | “  | “            |
| Zoning maps                      | “  | “            |

\*Source is enhancement of Census Tiger Files.

### Other information:

Coverages for buildings and facilities in City of Rochester are held by Rochester Bureau of Engineering Services (contact John Thomas (716) 428-6942).

Primary GIS software is ARC/INFO and ArcView (contact Tom Goodwin, Planning & Development Office (716) 428-5418).

## Niagara County

### Primary GIS software - ArcView

| Database category                | Contact  | Source scale |
|----------------------------------|--|--------------|
| Aerial photographs               | SWCD, Cindy Long (716) 434-4949                                | --           |
| Agricultural districts           | Cornell Cooperative Extension, Paul Lehman (716) 433-8839      | 1:24,000     |
| County &/or municipal boundaries | Planning Dept., JoAnne Ellsworth (716) 439-7269                | --           |
| Geology                          | --   | --           |
| Hazardous waste sites            | Planning Dept., JoAnne Ellsworth (716) 439-7269                | 1:24,000     |
| Hydrography &/or floodplains     | SWCD, Cindy Long (716) 434-4949                                | --           |
| Land use                         | --   | --           |
| Roads, rail lines, &/or trails   | Public Works Dept., Dorson Wilson (716) 439-7242               | 1:63,360     |
| School districts                 | Planning Dept., JoAnne Ellsworth (716) 439-7269                | "            |
| Soils                            | a SWCD, Cindy Long (716) 434-4949                              | 1:15,840     |
| Tax parcels                      | b Real Property Tax Services, William Budde Jr. (716) 439-7077 | 1:4800       |
| Topography                       | SWCD, Cindy Long (716) 434-4949                                | 1:24,000     |
| Water & sewer lines              | Public Works Dept., Dorson Wilson (716) 439-7242               | 1:4800       |
| Watershed boundaries             | SWCD, Cindy Long (716) 434-4949                                | 1:63,360     |
| Wetlands                         | "  | 1:24,000     |
| Zoning maps                      | Planning Dept., JoAnne Ellsworth (716) 439-7269                | "            |

\* SWCD, Soil & Water Conservation District

<sup>a</sup> Digital information available for Towanda Creek watershed (JoAnne Ellsworth, Planning Dept. (716) 439-7269).

<sup>b</sup> Digital information available for:

Towns of Lockeporte and Pendleton (contact William Budde Jr. (716) 439-7077);

Johnson Creek watershed (contact, Chris Castiglione, U.S. Fish & Wildlife Service (716) 691-5456); and

City of Niagara Falls (contact Anthony Restaino, City of Niagara Falls (716) 286-4320).

Other information: Information in paper form is available for:

gas pipelines (contact Cindy Long, Soil & Water Conservation District (716) 434-4949); and

stream classifications at scale of 1:63,360 (contact JoAnne Ellsworth, Planning Dept. (716) 439-7269).

## Oneida County

Primary GIS contact - Verne LeClair, Planning Department (315) 798-5710

Primary GIS software - ArcView, GRASS

| Database category                | Contact  | Source scale |
|----------------------------------|--|--------------|
| Aerial photographs               | Finance Dept., Dean Burth (315) 798-5750                       | --           |
| Agricultural districts           | "  | --           |
| County &/or municipal boundaries | *Planning Dept., Verne LeClair (315) 798-5710                  | --           |
| Geology                          | --   | --           |
| Hazardous waste sites            | --   | --           |
| Hydrography &/or floodplains     | --   | --           |
| Land use                         | --   | --           |
| Roads, rail lines, &/or trails   | --   | --           |
| School districts                 | --   | --           |
| Soils                            | Soil & Water Conservation District, Kevin Lewis (315) 736-3334 | 1:24,000     |
| Tax parcels                      | Finance Dept., Dean Burth (315) 798-5750                       | --           |
| Topography                       | --   | --           |
| Water & sewer lines              | --   | --           |
| Watershed boundaries             | --   | --           |
| Wetlands                         | --   | --           |
| Zoning maps                      | --   | --           |

\*Includes fire districts.

## Onondaga County

Primary GIS contact - Bruce Johnson, Syracuse-Onondaga County Planning Agency (315) 435-2611

Primary GIS software - ARC/INFO, ArcView

| Database category                | Contact*  | Source scale |
|----------------------------------|---|--------------|
| Aerial photographs               | *City of Syracuse Water Dept. (315) 473-2608              | --           |
| Agricultural districts           | SWCD, Walt Neuhauser (315) 677-3851                       | --           |
|                                  | a City of Syracuse Water Dept. (315) 473-2608             |              |
| County &/or municipal boundaries | SOCPA, Bruce Johnson; Don Jordan (315) 435-2611           | --           |
| Geology                          | a City of Syracuse Water Dept. (315) 473-2608             | --           |
| Hazardous waste sites            | b   | --           |
| Hydrography &/or floodplains     | SOCPA, Bruce Johnson/Don Jordan (315) 435-2611            | --           |
|                                  | NRCS, Tony Esser (315) 477-6536                           |              |
|                                  | a City of Syracuse Water Dept. (315) 473-2608             |              |
| Land use                         | a City of Syracuse Water Dept. (315) 473-2608             | --           |
| Roads, rail lines, &/or trails   | SOCPA, Bruce Johnson/Don Jordan (315) 435-2611            | --           |
|                                  | *City of Syracuse Water Dept. (315) 473-2608              |              |
| School districts                 | SOCPA, Bruce Johnson/Don Jordan (315) 435-2611            | --           |
| Soils                            | b NRCS, Tony Esser (315) 477-6536;                        | --           |
|                                  | SWCD, Walt Neuhauser (315) 677-3851                       |              |
| Tax parcels                      | SOCPA, Bruce Johnson/Don Jordan (315) 435-2611            | --           |
|                                  | a City of Syracuse Water Dept. (315) 473-2608             |              |
| Topography                       | SWCD, Walt Neuhauser (315) 677-3851                       | --           |
|                                  | a City of Syracuse Water Dept. (315) 473-2608             |              |
| Water & sewer lines              | c City of Syracuse Dept. of Engineering,                  | --           |
|                                  | John Przepiora (315) 473-2607; Brad Miller (315) 473-2689 |              |
| Watershed boundaries             | SOCPA, Bruce Johnson; Don Jordan (315) 435-2611           | --           |
|                                  | a City of Syracuse Water Dept. (315) 473-2608             |              |
| Wetlands                         | a City of Syracuse Water Dept. (315) 473-2608             | --           |
| Zoning maps                      | --  | --           |

\*SWSD, Soil & Water Conservation District

SOCPA, Syracuse-Onondaga County Planning Agency

<sup>a</sup> Detailed digital coverages for Skaneateles Lake and/or City of Syracuse; many other digitized attributes are available in Skaneateles Lake watershed.

<sup>b</sup> Includes partial digital coverage for Onondaga Lake watersheds.

<sup>c</sup> Partial coverage for City of Syracuse. Countywide environmental management maps are currently being digitized.

## Ontario County

Primary GIS contact - Tim Jensen, Planning Department (716) 396-4458

Primary GIS software - Atlas GIS

| Database category                | Contact                                    | Source scale       |
|----------------------------------|--|--------------------|
| Aerial photographs               | *Planning Dept., Tim Jensen (716) 396-4458 | 1:12,000; 1:24,000 |
| Agricultural districts           | Planning Dept., Tim Jensen (716) 396-4458  | --                 |
| County &/or municipal boundaries | "  | --                 |
| Geology                          | "  | --                 |
| Hazardous waste sites            | --   | --                 |
| Hydrography &/or floodplains     | Planning Dept., Tim Jensen (716) 396-4458  | 1:24,000           |
| Land use                         | "  | --                 |
| Roads, rail lines, &/or trails   | "  | --                 |
| School districts                 | "  | --                 |
| Soils                            | "  | --                 |
| Tax parcels                      | "  | --                 |
| Topography                       | "  | --                 |
| Water & sewer lines              | "  | --                 |
| Watershed boundaries             | "  | --                 |
| Wetlands                         | --   | --                 |
| Zoning maps                      | Planning Dept., Tim Jensen (716) 396-4458  | --                 |

\*Air photos taken in 1968, 1971, 1979, 1985, 1990, & 1995.

Also available are digital and paper data from Naples wellhead-protection study (contact Warren Hart, Planning Dept. (716) 396-4455).

## Orleans County

Primary GIS contact - James Bensley, Planning & Development Department (716) 589-7004

Primary GIS software - Atlas GIS

| Database category                | Contact  | Source scale |
|----------------------------------|--|--------------|
| Aerial photographs               | --   | --           |
| Agricultural districts           | Planning & Development Dept., James Bensley (716) 589-7004 | --           |
| County &/or municipal boundaries | "  | --           |
| Geology                          | "  | --           |
| Hazardous waste sites            | --   | --           |
| Hydrography &/or floodplains     | Planning & Development Dept., James Bensley (716) 589-7004 | --           |
| Land use                         | --   | --           |
| Roads, rail lines, &/or trails   | Planning & Development Dept., James Bensley (716) 589-7004 | --           |
| School districts                 | --   | --           |
| Soils                            | Planning & Development Dept., James Bensley (716) 589-7004 | --           |
| Tax parcels                      | "  | --           |
| Topography                       | Planning & Development Dept., James Bensley (716) 589-7004 | --           |
| Water & sewer lines              | --   | --           |
| Watershed boundaries             | Planning & Development Dept., James Bensley (716) 589-7004 | --           |
| Wetlands                         | --   | --           |
| Zoning maps                      | Planning & Development Dept., James Bensley (716) 589-7004 | --           |



## Oswego County

Primary GIS contact - Martin Weiss, Department of Planning & Community Development (315) 349-8292

Primary GIS software - ARC/INFO

| Database category                | Contact                              | Source scale        |
|----------------------------------|--------------------------------------|---------------------|
| Aerial photographs               | DPCD,<br>Martin Weiss (315) 349-8292 | 1:24,000            |
| Agricultural districts           | DPCD, Martin Weiss (315) 349-8292    | --                  |
| County &/or municipal boundaries | "                                    | 1:24,000            |
| Geology                          | "                                    | "                   |
| Hazardous waste sites            | --                                   | --                  |
| Hydrography &/or floodplains     | "                                    | 1:24,000; 1:100,000 |
| Land use                         | "                                    | 1:24,000            |
| Roads, rail lines, &/or trails   | "                                    | "                   |
| School districts                 | --                                   | --                  |
| Soils                            | DPCD, Martin Weiss (315) 349-8292    | 1:24,000            |
| Tax parcels                      | "                                    | --                  |
| Topography                       | "                                    | 1:24,000            |
| Water & sewer lines              | "                                    | "                   |
| Watershed boundaries             | "                                    | --"                 |
| Wetlands                         | "                                    | 1:24,000            |
| Zoning maps                      | --                                   | --                  |

\* DPCD, Department of Planning and Community Development

Other information:

Digital geospatial information also available for the following:

|                     |                         |
|---------------------|-------------------------|
| greenways,          | community facilities,   |
| principal aquifers, | public well fields, and |
| vegetative cover.   |                         |

Primary GIS software is ARC/INFO 7.1.2.

## Schuyler County

Primary GIS contact - Lloyd Wetherbee, Soil & Water Conservation District (607) 535-9650

Primary GIS software - GRASS

| Database category                | Contact*   | Source scale     |
|----------------------------------|--|------------------|
| Aerial photographs               | a Soil & Water Conservation District (SWCD),<br>Lloyd Wetherbee (607) 535-9650 | 1:7920; 1:15,840 |
| Agricultural districts           | "  | 1:4,800          |
| County &/or municipal boundaries | STCRPDB, Dara Fell (607) 962-5092  | --               |
| Geology                          | SWCD, Lloyd Wetherbee (607) 535-9650   | 1:250,000        |
| Hazardous waste sites            | --   | --               |
| Hydrography &/or floodplains     | STCRPDB, Dara Fell (607) 962-5092  | 1,24,000         |
| Land use                         | b SWCD, Lloyd Wetherbee (607) 535-9650;<br>STCRPDB, Dara Fell (607) 962-5092   | 1:15,840         |
| Roads, rail lines, &/or trails   | STCRPDB, Dara Fell (607) 962-5092  | 1,24,000         |
| School districts                 | Real Property Services (607) 535-8118  | 1:4,800          |
| Soils                            | c SWCD, Lloyd Wetherbee (607) 535-9650   | 1:15,840         |
| Tax parcels                      | Real Property Services (607) 535-8118  | 1:4,800          |
| Topography                       | SWCD, Lloyd Wetherbee (607) 535-9650   | 1:24,000         |
| Water & sewer lines              | dSWCD, Lloyd Wetherbee (607) 535-9650  | 1:9,600          |
| Watershed boundaries             | SWCD, Lloyd Wetherbee (607) 535-9650;<br>STCRPDB, Dara Fell (607) 962-5092     | 1:24,000         |
| Wetlands                         | STCRPDB, Dara Fell (607) 962-5092  | 1:24,000         |
| Zoning maps                      | SWCD, Lloyd Wetherbee (607) 535-9650   | 1:9,600          |

\* SWCD, Soil & Water Conservation District

STCRPDB, Southern Tier Central Regional Planning and Development Board

<sup>a</sup> Aerial photos taken in 1954, 1964, and 1985.

<sup>b</sup> Detailed land-use data for about 60percent of county are available

<sup>c</sup> Detailed soils data for about 50 percent of county are available

<sup>d</sup> Partial coverages at scale of 1:9600 are available for sewer and water districts in towns of Watkins Glen and Montour Falls

Other information: STCRPDB (<http://www.stcrpdb.dst.ny.us/>) has many other point, line, and polygon coverages for county.

Primary GIS software is GRASS (contact Lloyd Wetherbee, SWCD (607) 535-9650).

## Steuben County

Primary GIS contact - Dara Fell, \*STCRPDB (607) 962-5092

Primary GIS software - ARC/INFO, ArcView

| Database category                | Contact**   | Source scale |
|----------------------------------|---|--------------|
| Aerial photographs               | Planning Dept., Tom Sears (607) 776-9631  | --           |
| Agricultural districts           | "   | --           |
| County &/or municipal boundaries | Planning Dept., Tom Sears (607) 776-9631;<br>STCRPDB, Dara Fell (607) 962-5092            | --           |
| Geology                          | STCRPDB, Dara Fell (607) 962-5092   | --           |
| Hazardous waste sites            | STCRPDB, Dara Fell (607) 962-5092   | --           |
| Hydrography &/or floodplains     | Planning Dept., Tom Sears (607) 776-9631;<br>STCRPDB, Dara Fell (607) 962-5092            | --           |
| Land use                         | "   | --           |
| Roads, rail lines, &/or trails   | Planning Dept., Tom Sears (607) 776-9631;<br>STCRPDB, Dara Fell (607) 962-5092            | --           |
| School districts                 | Real Property Services (607) 535-8118   | 1:4,800      |
| Soils                            | STCRPDB, Dara Fell (607) 962-5092   | --           |
| Tax parcels                      | Real Property Tax Office, Donna Hatch (607) 776-9631<br>STCRPDB, Dara Fell (607) 962-5092 | --           |
| Topography                       | Planning Dept., Tom Sears (607) 776-9631  | --           |
| Water & sewer lines              | a STCRPDB, Dara Fell (607) 962-5092   | --           |
| Watershed boundaries             | STCRPDB, Dara Fell (607) 962-5092   | 1:100,000    |
| Wetlands                         | "   | --           |
| Zoning maps                      | b STCRPDB, Dara Fell (607) 962-5092   | --           |

\* STCRPDB Southern Central Regional Planning and Development Board

<sup>a</sup> Digital coverage of approximate sewer-line locations in Town of Corning.

<sup>b</sup> Digital coverages for Towns of Addison and Corning

Other information: STCRPDB (<http://www.stcrpdb.dst.ny.us/>) has many other point, line, and polygon coverages for county.

## Tompkins County

Primary GIS contact - Greg Potter, Department of Information Services (607) 274-5416

Primary GIS software - ARC/INFO, ArcView

| Database category                | Contact   | Source scale         |
|----------------------------------|---|----------------------|
| Aerial photographs               | Dept. of Information Services, Greg Potter (607) 274-5416 | 1:12,000 to 1:24,000 |
| Agricultural districts           | “   | 1:4,800              |
| County &/or municipal boundaries | “   | 1:600 to 1:4,800     |
| Geology                          | “   | 1:250,000            |
| Hazardous waste sites            | *   | --                   |
| Hydrography &/or floodplains     | Dept. of Information Services, Greg Potter (607) 274-5416 | 1:4,800 to 1:24,000  |
| Land use                         | “   | 1:24,000             |
| Roads, rail lines, &/or trails   | “   | 1:600 to 1:4,800     |
| School districts                 | “   | 1:600 to 1:4,800     |
| Soils                            | “   | 1:15,800             |
| Tax parcels                      | “   | 1:600 to 1:4,800     |
| Topography                       | “   | 1:24,000             |
| Water & sewer lines              | --  | --                   |
| Watershed boundaries             | Dept. of Information Services, Greg Potter (607) 274-5416 | 1:24,000             |
| Wetlands                         | “   | 1:24,000             |
| Zoning maps                      | “   | 1:600 to 1:4,800     |

\* Information about hazardous-waste sites is available in summary reports, but the source data is proprietary. Numerous data are available for site-specific locations exist. Contact Greg Potter for more information. See Tompkins County's GIS Website at <http://www.tompkins-co.org/gis/>.

## Wyoming County

Primary GIS contact - Greg McKurth, Soil & Water Conservation District (716) 786-5070

Primary GIS software - Atlas GIS

| Database category                | Contact  | Source scale    |
|----------------------------------|--|-----------------|
| Aerial photographs               | --   | --              |
| Agricultural districts           | Planning Dept., Barbara Shilling (716) 786-8846  | --              |
| County &/or municipal boundaries | "  | --              |
| Geology                          | "  | --              |
| Hazardous waste sites            | "  | --              |
| Hydrography &/or floodplains     | "  | 1:24,000; other |
| Land use                         | --   | --              |
| Roads, rail lines, &/or trails   | Planning Dept., Barbara Shilling (716) 786-8846  | --              |
| School districts                 | --   | --              |
| Soils                            | Soil & Water Conservation District,<br>Greg McKurth (716) 786-5070   | 1:190,080       |
| Tax parcels                      | Real Property Tax Services, Richard Dean (716) 786-8828  |                 |
| Topography                       | Planning Dept., Barbara Shilling (716) 786-8846  | --              |
| Water & sewer lines              | --   | --              |
| Watershed boundaries             | Soil & Water Conservation District,<br>Greg McKurth (716) 786-5070;<br>Planning Dept., Barbara Shilling (716) 786-8846 | 1:24,000        |
| Wetlands                         | --   | --              |
| Zoning maps                      | --   | --              |

Other information:

The following point data are available in paper form:

Dry hydrant locations (scale = 1:24,000; contact Melissa Franklin, Soil & Water Conservation District (716) 786-5070;

physical landmarks (airports, hospitals, parks, prisons, etc. (contact Barbara Shilling, Planning Department (716) 786-8846;

stream classifications (contact Greg McKurth, Soil & Water Conservation District (716) 786-5070;

transportation (locations of stop and yield signs; contact Office of Emergency Services (716) 786-8867.

## Yates County

Primary GIS contact -Richard Brown, Planning Department (315) 536-5153

Primary GIS software - ARC/INFO, ArcView

| Database category                | Contact  | Source scale    |
|----------------------------------|--|-----------------|
| Aerial photographs               | a Planning Dept., Richard Brown (315) 536-5153 | 1:1,000         |
| Agricultural districts           | “  | 1:24,000        |
| County &/or municipal boundaries | “  | 1:63,360        |
| Geology                          | “  | --              |
| Hazardous waste sites            | --   | --              |
| Hydrography &/or floodplains     | Planning Dept., Richard Brown (315) 536-5153   | 1:24,000        |
| Land use                         | “*   | 1:1,000         |
| Roads, rail lines, &/or trails   | “  | 1:24,000; other |
| School districts                 | “  | --              |
| Soils                            | “  | 1:24,000        |
| Tax parcels                      | “  | 1:2,400:1:4,800 |
| Topography                       | “ <sup>b</sup>                                 | 1:24,000        |
| Water & sewer lines              | “  | 1:24,000        |
| Watershed boundaries             | “  | 1:24,000        |
| Wetlands                         | “  | --              |
| Zoning maps                      | “  | --              |

<sup>a</sup> 1985 survey.

<sup>b</sup> Contour interval is 10 feet.

Other information: The following digital information on the Keuka Lake watershed is also available (contact Richard Brown, Planning Department (315) 536-5153):

land use from aerial photography (1990 survey; scale = 1:1,000);

pollution sources (landfill, salt storage, SPEDES, spills, etc.; scale = 1:24,000);

water quality (scale = 1:24,000).

### Glossary of Terms Used in Table 3

- Adobe Acrobat** - A program for publishing, displaying and downloading information on the World Wide Web.
- ARC/INFO, ArcView** - Computer programs for compiling, displaying and manipulating geospatial information. Published by Environmental Systems Research, Inc., Redlands, Calif.
- ASCII** - American Standard Code for Information Interchange. A code in which each alphanumeric character is represented as a number from 0 to 127, translated into a 7-bit binary code for the computer.
- Atlas GIS** - A computer program for compiling, displaying and manipulating geospatial information. Published by Environmental Systems Research, Inc., Redlands, Calif..
- AViiON** - a minicomputer manufactured by the Data General Corporation, Westborough, Mass..
- binary** - data coded in ones and zeros.
- CTG** - Composite Theme Grid format. A grid-cell oriented format for displaying land use-land cover information.
- dBase** - a database program for personal computers. Published by INPRISE Corporation, Scotts Valley, Calif..
- dbf** - Database file.
- DEM** - Digital Elevation Model. A digital file consisting of terrain elevations at regularly spaced horizontal intervals.
- DLG** - Digital Line Graphs. Digital representations by points, lines and areas of planimetric information.
- DOQ** - Digital Orthophotography Quadrangles. Scanned aerial photographs corrected for both camera and elevation variations and registered to a geographic basemap.
- DRG** - Digital Raster Graphics. A scanned image of a U.S. Geological Survey standard series topographic map.
- dxf** - Drawing Interchange File Format. A format for vector graphics.
- ER Mapper** - Image processing software published by Earth Resources Mapping, San Diego, Calif..
- FoxPro** - a database program for personal computers. Published by Microsoft Corporation, Redmond, Wash..
- GIF** - Graphics Interchange Format. A format for bitmap graphics.
- GIRAS** - Geographic Information Retrieval Analysis System. A system for storing and processing land use-land cover information.
- GRASS** - Geographic Resources Analysis Support System. A public-domain raster- and vector-based GIS for image- processing and graphics production.
- JPEG** - Joint Photography Experts Group. A format for bitmap graphics.
- Landsat** - A series of satellites developed by the U.S. that acquire high-resolution multispectral data of the earth's surface.
- lat./long.** - latitude/longitude.
- MapInfo** - A computer program for displaying geospatial information. Published by MapInfo Corporation, Troy, N.Y..
- Microsoft Powerpoint** - A computer program for creating presentation graphics. Published by the Microsoft Corporation, Redmond, Wash..
- OS** - computer operating system.
- PC** - personal computer.
- RADARSAT** - a Canadian-led project for obtaining detailed images of the earth through cloud cover.
- SPOT** - A series of satellites developed by France, Belgium and Sweden for gathering multispectral data on land use and land cover.
- TIFF** - Tagged Image File Format. A format for bitmap graphics.
- Tiger files** - Data from the U.S. Census Bureau Tiger that contain very detailed street and address information, which can be used to assign geographic locations to point information.
- Unix** - A computer operating system.
- UTM** - Universal Transverse Mercator. A cylindrical map projection that is the basis for the State Plane Coordinate System used in New York State.
- VAX** - A minicomputer manufactured by the Digital Equipment Corporation, Maynard, Mass.
- Windows NT** - Windows New Technology. A computer operating system published by the Microsoft Corporation, Redmond, Wash..

Table 3. Federal and State Sources of water-resources information for participating western New York counties, August 1998  
 [Terms and abbreviations are explained in glossary, p. .]

| Database description or application   | Agency   | Contact<br>phone - email - WWW site   | Data<br>format    | Use<br>policy         | Source scale  | Hard-<br>ware or<br>OS | Type of<br>software or<br>file                                    |
|---|--|---|-------------------|-----------------------|---|------------------------|---|
| <b>Agriculture</b><br>Agricultural district boundaries.   | New York State Department<br>of Agriculture & Markets<br><br>Cornell Institute for Resource<br>Information Systems | Bob Summers (518) 457-2713<br><a href="http://www.agmkt.state.ny.us/">http://www.agmkt.state.ny.us/</a><br><br>Susan Hoskins (607) 255-6520<br><a href="http://www.cfe.cornell.edu/ciris/default.html">http://www.cfe.cornell.edu/ciris/default.html</a>  | digital/<br>paper | public                | 1:250,000   | PC                     | ARC/INFO  |
| <b>Biodiversity inventory</b><br>Rare & endangered species & habitats.  | New York State<br>Natural Heritage Program   | Information Services (518) 783-3932<br><a href="http://www.heritage.tnc.org/nhp/us/ny/">http://www.heritage.tnc.org/nhp/us/ny/</a>  | digital/<br>paper | public/<br>restricted | 1:24,000  | PC<br>Unix             | ARC/INFO<br>ArcView   |
| <b>Climatological data Current and<br/>historical weather records and<br/>summaries.</b>  | National Oceanic and<br>Atmospheric Administration   | (704) 271-4800, questions@ncdc@noaa.gov<br><a href="http://www.ncdc.noaa.gov/ncdc.html">http://www.ncdc.noaa.gov/ncdc.html</a>  | digital           | public                | variable  | variable               | ASCII   |
|   | State Climatologist  | Keith Eggleston (607) 255-1749, KLE1@cornell.edu<br><a href="http://met-www.cit.cornell.edu">http://met-www.cit.cornell.edu</a>   | digital           | public                | variable  | VAX<br>Unix            | ASCII<br>binary   |
| <b>Compilation of GIS databases in nine<br/>Finger Lakes counties</b>   | Genesee/Finger Lakes<br>Regional Planning Council  | David Zorn (716) 442-3770<br>dzorn@frontiernet.net<br><a href="http://www.gflrpc.org/gisdata.htm">http://www.gflrpc.org/gisdata.htm</a>   | digital/<br>paper | public/<br>restricted | variable  | variable               | ARC/INFO<br>ArcView<br>Atlas GIS                                  |
| <b>Congressional Districts</b>  | U.S. Geological Survey   | <a href="http://nsdi.usgs.gov/nsdi/index.html">http://nsdi.usgs.gov/nsdi/index.html</a>   | digital           | public                | >1:100,000  | variable               | ASCII   |
| <b>Digital Orthophoto Quadrangles</b><br>Partial New York State coverage.   | New York State Department<br>of Environmental<br>Conservation  | Larry Alber (518) 457-3143<br><a href="http://www.dec.state.ny.us">http://www.dec.state.ny.us</a>   | digital           | public                | 1:24,000  | variable               | ARC/INFO  |
| <b>Digital Elevation Models</b><br>Partial New York State coverage.   | U.S. Geological Survey   | (800) USA-MAPS<br><a href="http://mapping.usgs.gov/nsdi/">http://mapping.usgs.gov/nsdi/</a><br><a href="http://mcmweb.er.usgs.gov/status/mac/ny/index.html">http://mcmweb.er.usgs.gov/status/mac/ny/index.html</a><br><a href="http://edcwww.cr.usgs.gov/webglis/">http://edcwww.cr.usgs.gov/webglis/</a> | digital           | public                | DOQs:<br>1:12,000<br>DEM: 7.5';<br>1:100,000<br>DLGs: 7.5';<br>1:100,000<br>DRGs:<br>1°x 1° | variable               | DOQs:<br>binary images<br>DEM: ASCII<br>DLGs: ASCII<br>DRGs: TIFF |
| <b>Digital Line Graphs</b><br>Partial New York State coverage<br>(cultural, hydrography, hypsography,<br>transportation, vegetation). |  |   |                   |                       |   |                        |   |
| <b>Digital Raster Graphics</b><br>Partial New York State coverage.  |  |   |                   |                       |   |                        |   |



|  |   |  |                   |                       |                                    |                        |                                     |
|--|---|--|-------------------|-----------------------|------------------------------------|------------------------|-------------------------------------|
| <b>Economic</b><br>Business, employment & labor.   | New York State<br>Data Center                                     | Bob Scardania (518) 474-1141<br><a href="http://205.232.252.23/nysdc/ECONOMIC.html">http://205.232.252.23/nysdc/ECONOMIC.html</a>  | digital           | public                | variable                           | PC                     | ArcView<br>Altas GIS                |
|  | New York State<br>Department of Labor                             | Todd Nelson (518) 457-1317<br><a href="http://www.labor.state.ny.us">http://www.labor.state.ny.us</a>  | digital           | public/<br>restricted | variable                           | PC                     | ArcView<br>Altas GIS                |
| <b>Emergency</b><br>Dose-assessment models, fires, floods,<br>historical seismicity, hurricanes, nuclear-<br>plant evacuation routes, rain gages,<br>tornadoes, toxic- waste inventories,<br>weather stations. | New York State Emergency<br>Management Office                     | Robert Simpson (518) 457-9927<br><a href="http://www.nysemo.state.ny.us/">http://www.nysemo.state.ny.us/</a>   | paper/<br>digital | public                | 1:24,000<br>1:100,000<br>1:250,000 | variable               | ARC/INFO                            |
|  | New York Dept. of State, Fire<br>Prevention & Control             | Frederick Richards (518) 474-6746<br><a href="http://www.dos.state.ny.us/fire/firewww.html">http://www.dos.state.ny.us/fire/firewww.html</a>   | digital           | public/<br>restricted | --                                 | IBM                    | ASCII                               |
| <b>Flood</b><br>Q3 flood data.   | Federal Emergency<br>Management Agency                            | Map Service Center (800) 358-9616<br><a href="http://www.fema.gov/msc/q3flooda.htm">http://www.fema.gov/msc/q3flooda.htm</a>   | digital           | public                | 7.5'                               | Unix                   | ARC/INFO<br>MapInfo<br>DLG, DRG     |
| <b>Forests</b><br>Fire-effects information system, forest<br>inventory and research, pest conditions,<br>etc.  | USDA<br>Forest Service  | Tom Frieswyk (610) 975-4075<br><a href="http://www.fs.fed.us/database/">http://www.fs.fed.us/database/</a>   | digital/<br>paper | public/<br>restricted | variable                           | PC<br>Unix             | ARC/INFO<br>ER MAPPER               |
|  | U.S. Environmental<br>Protection Agency                           | David L. Evans (601) 324-1611<br><a href="http://www.epa.gov/docs/grd/forest_inventory/">http://www.epa.gov/docs/grd/forest_inventory/</a>   | digital           | public                | variable                           | variable               | ARC/INFO<br>GIF                     |
| <b>Geographical reference data</b><br>Locations & records for meteorological<br>stations; reservoir & stream gages.  | U.S. Geological Survey GCIP<br>Reference Data Set                 | ahrea@csdokol.cr.usgs.gov (405) 843-7570<br><a href="http://nsdi.usgs.gov/nsdi/wais/water/gcip.HTML">http://nsdi.usgs.gov/nsdi/wais/water/gcip.HTML</a>  | digital           | public                | variable                           | variable               | DLG<br>ARC/INFO<br>ASCII            |
| <b>Geology</b><br>Bedrock, faults, glacial, & minerals   | New York State<br>Geological Survey                               | Robert Fakundiny (518) 474-5816<br><a href="http://www.nysm.nysed.gov/geology.html">http://www.nysm.nysed.gov/geology.html</a>   | digital/<br>paper | public                | 1:24,000<br>1:250,000              | Unix<br>PC             | ARC/INFO<br>other                   |
|  | New York State Museum   | nysmweb@mail.nysed.gov<br><a href="http://www.nysm.nysed.gov/datasets.html">http://www.nysm.nysed.gov/datasets.html</a><br><a href="http://www.nysm.nysed.gov/research.html">http://www.nysm.nysed.gov/research.html</a> | digital/<br>paper | public                | 1:24,000<br>1:250,000              | PC                     | ARC/INFO<br>Microsoft<br>Powerpoint |
|  | Southern Tier Central<br>Regional Planning &<br>Development Board | Dara Fell (607) 962-5092<br><a href="http://www.stcrpdb.dst.ny.us/">http://www.stcrpdb.dst.ny.us/</a>  | digital/<br>paper | public                | variable                           | Unix<br>Win<br>dows NT | ArcView<br>ARC/INFO                 |

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| <b>Great Lakes</b><br>Commercial fishing database, research vessel data, lake surveys.<br><br>Areas of concern for beneficial water use.<br><br>Coastal areas & shorelines.<br><br>Lakes Ontario & Erie - ice cover, shoreline recession rates, water levels, etc. | Great Lakes Science Center,<br>U.S. Geological Survey,<br>Biological Research Division | Scott Nelson (313) 994-3331 x243<br>scott_nelson@usgs.gov<br><a href="http://www.glsc.usgs.gov/">http://www.glsc.usgs.gov/</a>   | digital           | public                | lat./long.               | PC             | ARC/INFO           |
|  | U.S. Environmental<br>Protection Agency  | USEPAnsd@epamail.epa.gov<br><a href="http://nsdi.epa.gov/nsdi/projects/r5_aochuc.html">http://nsdi.epa.gov/nsdi/projects/r5_aochuc.html</a><br><a href="http://nsdi.epa.gov/nsdi/projects/r5_grlks2mhtml">http://nsdi.epa.gov/nsdi/projects/r5_grlks2mhtml</a> | digital           | public                | 1:250,000                | variable       | ArcExport          |
|  | New York State<br>Department of State  | Thomas Hart (518) 473-2465<br><a href="http://www.dos.state.ny.us/">http://www.dos.state.ny.us/</a>  | digital/<br>paper | public                | --                       | --             | --                 |
|  | U.S. Army<br>Corps of Engineers  | Caroline Forbes (716) 879-4104<br><a href="http://hank.ncb.usace.army.mil/GreatLakes/GreatLakes.html">http://hank.ncb.usace.army.mil/GreatLakes/GreatLakes.html</a>  | digital           | public                | variable                 | --             | Web<br>access      |
| <b>Health data</b><br>County environmental health data,<br>health profiles, hospital locations, vital<br>statistics.   | New York State<br>Department of Health   | Thomas Talbot (518) 458-6212<br><a href="http://www.health.state.ny.us">http://www.health.state.ny.us</a>  | digital           | public/<br>restricted | variable                 | PC             | MapInfo            |
| <b>Historic landmarks</b><br>Archeological and historical sites.   | New York State Parks,<br>Recreation<br>& Historic Preservation                         | Robert Engler, Raymond Smith, Cynthia Blakemore<br>(518) 237-8643, <a href="http://www.nysparks.state.ny.us">http://www.nysparks.state.ny.us</a>   | digital/<br>paper | public/<br>restricted | 1:24,000                 | PC             | MapInfo            |
|  | National Register<br>Information System  | John Byrne (202) 343-9543<br><a href="http://www.nr.nps.gov">http://www.nr.nps.gov</a>   | digital           | public                | 1:24,000<br>UTM          | HP3000         | dBASE<br>Atlas GIS |
| <b>Hydrology</b><br>Lakes, rivers, streams and wetlands >12<br>hectares; watershed boundaries.<br><br>Hydrologic Unit maps, stream gages.<br><br>Genesee River Basin information.  | New York State Department<br>of<br>Environmental Conservation                          | Howard Pike (518) 457-1617<br><a href="http://www.dec.state.ny.us">http://www.dec.state.ny.us</a>  | digital           | public                | 1:24,000                 | variable       | ARC/INFO           |
|  | U.S. Geological Survey   | Ken Lanfear (703) 648-6852, <a href="mailto:lanfear@usgs.gov">lanfear@usgs.gov</a><br><a href="http://water.usgs.gov/public/GIS/huc.html">http://water.usgs.gov/public/GIS/huc.html</a>  | digital           | public                | 1:250,000<br>1:2,000,000 | AViiON<br>Unix | ARC/INFO           |
|  | U.S. Army Corps of Engineers   | Rich Thomas (716) 879-4333<br><a href="http://hank.ncb.usace.army.mil/Genesee/GeneseeRiver.html">http://hank.ncb.usace.army.mil/Genesee/GeneseeRiver.html</a>  | digital           | public                | variable                 | Unix           | Web access         |

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| <b>Land use and land cover</b><br>Information on urban or built-up land, agricultural land, rangeland, forest land, water, and wetlands.   | U.S. Geological Survey<br><br>U.S. Fish and Wildlife Service   | <a href="http://edcwww.cr.usgs.gov/glis/hyper/guide/1_250_lulcfig/states/NY.html">http://edcwww.cr.usgs.gov/glis/hyper/guide/1_250_lulcfig/states/NY.html</a><br><br>Deb Southworth (303) 275-2320<br><a href="http://www.fws.gov/data/gishome.html">http://www.fws.gov/data/gishome.html</a>  | digital<br><br>digital                      | public<br><br>public/restricted               | 1:24,000<br>1:250,000<br>1:2,000,000     | PC<br>Unix   | CTG<br>DLG<br>GIRAS<br>Landsat<br>SPOT                                |
| <b>Landfills and Resource Conservation and Recovery Act sites</b><br>Locations and characteristics of waste-disposal sites.  | New York State Department of Environmental Conservation - Solid Waste Division<br><br>U.S. Geological Survey                         | Gerald Wagner<br>(518) 457-2051, <a href="http://www.dec.state.ny.us/">http://www.dec.state.ny.us/</a><br><br>Ken Lanfear (703) 648-6852<br><a href="http://water.usgs.gov/nsdi/usgs wrd/landfill.html">http://water.usgs.gov/nsdi/usgs wrd/landfill.html</a><br><a href="http://nsdi.usgs.gov/nsdi/wais/water/rcra.HTML">http://nsdi.usgs.gov/nsdi/wais/water/rcra.HTML</a> | digital<br><br>digital                      | public<br><br>public                          | UTM coordinates<br><br>1:2,000,000       | PC<br><br>Unix                                     | FoxPro<br><br>ARC/INFO  |
| <b>Military</b>  | New York State Division of Military & Naval Affairs  | <a href="http://www.dmna.state.ny.us/">http://www.dmna.state.ny.us/</a>  | --  | restricted                                    | --                                       | --   | --  |
| <b>Miscellaneous</b><br>Locations of: active and closed municipal-waste sites; air-permit data; locations of ground-water wells, public water supplies; & wastewater discharges; radon measurements; toxic-chemical release inventory; water and gas lines.<br><br>Aerial photos, base maps, biological resource data, geologic data, GIS data for water resources, satellite images, etc. | New York State Department of Health<br><br>Southern Tier Central Regional Planning & Development Board<br><br>U.S. Geological Survey | Thomas Talbot<br>(518) 458-6212<br><a href="http://www.health.state.ny.us/">http://www.health.state.ny.us/</a><br><br>Dara Fell (607) 962-5092<br><a href="http://www.stcrpdb.dst.ny.us/">http://www.stcrpdb.dst.ny.us/</a><br><br><a href="http://nsdi.usgs.gov/nsdi/index.html">http://nsdi.usgs.gov/nsdi/index.html</a>   | digital/paper<br><br>digital<br><br>digital | public/restricted<br><br>public<br><br>public | variable<br><br>variable<br><br>variable | variable<br><br>Unix<br>Windows NT<br><br>variable | ARC/INFO<br>other<br><br>ARC/INFO<br>ArcView<br><br>ARC/INFO<br>other |
| <b>National Water Information System</b><br>Locations of precipitation- & stream-gaging stations; wells; and associated data (discharge rates, water levels, water quality, etc.).   | U.S. Geological Survey   | Andy Cohen (518) 285-5638<br>acohen@usgs.gov<br><a href="http://ny.usgs.gov/htmls/pub/index.html">http://ny.usgs.gov/htmls/pub/index.html</a>  | digital/paper                               | public  | 1:24,000                                 | Unix   | ARC/INFO  |

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| <b>Natural resources</b><br>Land cover/use, cropping history, irrigation type & water source, streambank erosion, streams >1/8 mile wide, water bodies >40 acres in area, wetlands classification, etc.<br><br>Locations of mines, and oil & gas wells.<br><br>Soil boring logs; other geospatial data.  | Natural Resources Conservation Service   | <a href="http://www.nhq.nrcs.usda.gov/MLH/nritest/nri_data.html">http://www.nhq.nrcs.usda.gov/MLH/nritest/nri_data.html</a>  | digital | public            | variable   | --         | Web access          |
|  | New York State Department of Environmental Conservation - Mineral Resources Division | Eric Shyer (518) 457-0100<br><a href="http://www.dec.state.ny.us/website/dmn/data.html">http://www.dec.state.ny.us/website/dmn/data.html</a>   | digital | public/restricted | lat./long. | Unix       | MapInfo<br>ArcInfo  |
|  | U.S. Army Corps of Engineers   | Paul Murawsik (716) 648-6094<br><a href="http://corpsgeo1.usace.army.mil/CELRB/celrb.html">http://corpsgeo1.usace.army.mil/CELRB/celrb.html</a>  | paper   | public/restricted | variable   | Unix       | JPEG, TIFF<br>other |
| <b>New York State GIS Clearinghouse</b><br><br><b>Center for Technology in the Environment</b><br><br><b>Statewide GIS Data Sharing Cooperative Participants &amp; Inventories</b>   | New York State Department of Education   | Ann Getman (518) 486-1702<br><a href="http://www.nysl.nysed.gov/gis/">http://www.nysl.nysed.gov/gis/</a><br><br><a href="http://www.ctg.albany.edu/gis/directory.html">http://www.ctg.albany.edu/gis/directory.html</a><br><br><a href="http://www.nysl.nysed.gov/gis/cooplist.htm">http://www.nysl.nysed.gov/gis/cooplist.htm</a> | digital | public            | variable   | variable   | variable            |
| <b>New York Counties on the Web</b>  | New York State Association of Counties   | <a href="http://www.state.ny.us/nysac/coweblnk.html">http://www.state.ny.us/nysac/coweblnk.html</a>  | --      | public            | --         | --         | --                  |
| <b>New York State Department of Environmental Conservation</b><br>Coverages under development include: air-monitoring stations; bedrock data; hydrographic features; inventories of dams, inactive hazardous waste sites, & regulated facilities; largest pollution generators; mine locations; roads; wildlife-management & natural-resources data. | New York State Department of Environmental Conservation                              | Larry Alber (518) 457-3143<br>lalbar@gw.dec.state.ny.us<br><a href="http://www.dec.state.ny.us/">http://www.dec.state.ny.us/</a>   | digital | public/restricted | variable   | Unix<br>PC | ARC/INFO<br>ArcView |

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| <b>Parks</b><br>Archeological and national register sites, maps, natural resource inventories, park boundaries, snowmobile trails. | New York State<br>Office of Parks, Recreation<br>& Historic Preservation | John Fox (518) 486-2098<br><a href="http://www.nysparks.state.ny.us/info/">http://www.nysparks.state.ny.us/info/</a>  | digital           | public/<br>restricted | 1:24,000                 | --          | ARC/INFO                             |
|  | National Park Service  | Nigel Shaw (617) 223-5065<br><a href="http://www.nps.gov/hfc/publications/index.htm">http://www.nps.gov/hfc/publications/index.htm</a><br><a href="http://hans.nrrc.ncsu.edu/npsgis/">http://hans.nrrc.ncsu.edu/npsgis/</a> | digital/<br>paper | public                | variable                 | PC/<br>Unix | ARC/INFO<br>ArcView<br>Adobe Acrobat |
| <b>Police</b><br>Landmarks, roads, water features, etc.  | New York State Police  | Jim Deconno (518) 485-8307<br><a href="http://www.troopers.state.ny.us/">http://www.troopers.state.ny.us/</a>   | digital/<br>paper | public/<br>restricted | --                       | --          | ARC/INFO                             |
| <b>Political boundaries</b><br>Counties, municipalities, towns.  | New York State Office of<br>Real Property Services                       | Ross Testa (518) 486-4518<br><a href="http://www.orps.state.ny.us/">http://www.orps.state.ny.us/</a>  | digital/<br>paper | public                | 1:24,000                 | Unix        | ARC/INFO                             |
| <b>Population</b><br>Census blocks (1990).   | Census Bureau  | <a href="http://www.census.gov/geo/www/tiger">http://www.census.gov/geo/www/tiger</a>   | digital           | public                | 1:100,000                | VAX         | ARC/INFO<br>Tiger files              |
|  | New York State<br>Department of Health                                   | Thomas Talbot (518) 458-6212<br><a href="http://www.health.state.ny.us/">http://www.health.state.ny.us/</a>   | digital           | public                | 1:24,000                 | PC          | ARC/INFO<br>MapInfo<br>Atlas GIS     |
|  | SEDAC  | <a href="http://plue.sedac.ciesin.org/plue/">http://plue.sedac.ciesin.org/plue/</a>   | digital           | public                | 1:100,000                | variable    |                                      |
| <b>Remote imagery</b><br>Satellite observations of the Earth's<br>surface.   | New York State<br>Department of State                                    | Thomas Hart (518) 474-6000<br><a href="http://www.dos.state.ny.us/">http://www.dos.state.ny.us/</a>   | digital           | public                | 1:24,000<br>other        | variable    | Landsat<br>RADARSAT                  |
| <b>Sand and gravel aquifers</b><br>Glaciated northeastern U.S.   | U.S. Geological Survey   | Al Randall, Andy Cohen; (518) 285-5628<br><a href="http://ny.usgs.gov/htmls/pub/index.html">http://ny.usgs.gov/htmls/pub/index.html</a>   | digital           | public on<br>release  | variable                 | Unix        | ARC/INFO                             |
| <b>School districts</b><br>Boundaries of school districts for tax<br>and attendance purposes..                                     | New York State Office of<br>Real Property Services                       | William Godell (518) 486-4513<br>bill.godell@orps.state.ny.us<br><a href="http://www.orps.state.ny.us/">http://www.orps.state.ny.us/</a>  | digital           | public/<br>restricted | 1:600<br>1:4800<br>other | Sun         | ARC/INFO<br>ArcView                  |

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| <b>Soils</b><br>STATSGO<br><br>Soil maps completed, in progress, or planned for the following counties: Chautauqua, Clinton, Dutchess, Erie, Genesee, Madison, Monroe, Oneida, Otsego, Putnam, Rennselaer, Rockland, Saratoga, Seneca, St. Lawrence, & Suffolk. Also Catskill & Onondaga & Skaneateles Lakes watersheds. | Natural Resources Conservation Service                      | State Soil Scientist (315) 423 5510<br><a href="http://www.ftw.nrcs.usda.gov/stat_data.html">http://www.ftw.nrcs.usda.gov/stat_data.html</a>         | digital        | public                | 1:250,000             | variable               | ARC/INFO<br>ASCII      |
|  | Cornell University<br>under contract with NRCS              | Steve Indrick (315) 477-6504   | digital        | public                | 1:24,000              | Sun<br>Unix            | ARC/INFO<br>GRASS      |
| <b>Surficial aquifers</b><br>Primary and sole source.  | U.S. Geological Survey                                      | Andy Cohen (518) 285-5638<br><a href="http://ny.usgs.gov/htmls/pub/index.html">http://ny.usgs.gov/htmls/pub/index.html</a>                           | digital        | public/<br>restricted | 1:24,000<br>1:250,000 | Unix<br>PC             | ARC/INFO<br>ArcView    |
|  | U.S. Environmental Protection Agency                        | Robert Simpson (212) 637-3335<br><a href="http://www.epa.gov/region02/gis/atlas/aquifers.htm">http://www.epa.gov/region02/gis/atlas/aquifers.htm</a> | digital        | public                | 1:100,000             | Win<br>dows NT         | ARC/INFO               |
| <b>Tax maps for various cities</b><br>Boundaries of tax districts.   | Southern Tier Central Regional Planning & Development Board | Dara Fell (607) 962-5092<br><a href="http://www.stcrpdb.dst.ny.us/">http://www.stcrpdb.dst.ny.us/</a>  | digital        | public                | variable              | Unix<br>Win<br>dows NT | ARC/INFO<br>ArcView    |
| <b>Telephone directory</b><br>Telephone numbers of state agencies  | New York State Office of General Services                   | David Runyon (518) 486-9200<br><a href="http://www.ogs.state.ny.us/telecom/org/default.htm">http://www.ogs.state.ny.us/telecom/org/default.htm</a>   | digital        | public                | --                    | --                     | --                     |
| <b>Thematic mapping</b><br>Topical maps on a variety of subjects.  | U.S. Environmental Protection Agency Region 2               | Harvey Simon (212) 637-3594<br><a href="http://www.epa.gov/mrlc">http://www.epa.gov/mrlc</a>   | digital        | public                | 1:100,000             | Win<br>dows NT         | ARC/INFO               |
|  | New York State Department of State                          | Thomas Hart (518) 474-6000<br><a href="http://www.dos.state.ny.us/">http://www.dos.state.ny.us/</a>  | digital        | restricted            | 25-meter pixels       | PC                     | MapInfo                |
| <b>Tourism</b><br>Information on recreational resources.   | New York State Travel and Tourism                           | (800) CALL-NYS<br><a href="http://www.iloveny.state.ny.us/">http://www.iloveny.state.ny.us/</a>  | paper          | public                | --                    | --                     | --                     |
| Database description/application   | Agency  | Contact<br>phone/email/Web site  | Data<br>format | Use<br>policy         | Map base/<br>scale    | Hard<br>ware           | Software/<br>file type |

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|---|---|--|----------------------|-------------------------------------|---|----------------------|-------------------------------|
| <b>Toxic release inventory</b><br>Compilation of toxic wastes released into the environment.  | U.S. Environmental Protection Agency                                | Loren Hall (202) 260-3931<br><a href="http://earth1.epa.gov/TRI_cover93/MetaRecord.html">http://earth1.epa.gov/TRI_cover93/MetaRecord.html</a>   | digital              | public                              | --  | --                   | --                            |
| <b>Hazardous substance release/health effects database</b><br>Types and effects of hazardous materials released into the environment.   | HazDat<br>Agency for Toxic Substances & Disease Registry            | Sandra Susten (404) 639-0700, director<br>Bill Henriques (404) 639-6088, GIS manager<br><a href="http://atsdr1.atsdr.cdc.gov:8080/hazdat.html">http://atsdr1.atsdr.cdc.gov:8080/hazdat.html</a>  | digital              | public                              | lat./long.                                | Unix                 | ARC/INFO                      |
| <b>New York State 1995 toxic release inventory</b><br>Toxic materials released in New York State.   | New York State Department of Environmental Conservation             | Pollution Prevention Unit (518) 457-2553<br><a href="http://www.dec.state.ny.us/website/pollution/p2tri.html">http://www.dec.state.ny.us/website/pollution/p2tri.html</a>  | digital              | public                              | --  | --                   | ASCII dbf                     |
| <b>Transportation</b><br>Airports, bridges, names, railroads, remote imagery, roads, survey monuments, maps, etc.   | New York State Transportation Department                            | Map Information Unit (518) 457-3555<br><a href="http://dot.state.us/magis/magis.html">http://dot.state.us/magis/magis.html</a><br><a href="http://www.nysl.nysed.gov/gis/inventories/dot.htm">http://www.nysl.nysed.gov/gis/inventories/dot.htm</a><br><a href="http://www.bts.gov/gis/state/tx_visit.html#new">http://www.bts.gov/gis/state/tx_visit.html#new</a> | digital/<br>paper    | public/<br>restricted               | 1:1,200<br>1:24,000<br>1:250,000<br>other | Unix                 | ARC/INFO<br>TIFF<br>other     |
| <b>Tug Hill Commission</b><br>Information for parts of Jefferson, Lewis, Oneida, and Oswego Counties.   | Tug Hill Commission   | (315) 785-2380/2570, <a href="mailto:tughill@tughill.org">tughill@tughill.org</a><br><a href="http://www.imcnet.net/TugHill/tughill.html">http://www.imcnet.net/TugHill/tughill.html</a>   | digital/<br>paper    | public                              | variable                                  | --                   | --                            |
| <b>U.S. Environmental Protection Agency</b><br>Air quality; biological, cultural & water resources; control layers; image & CAD data; regulatory & terrain features; transportation; utilities. | U.S. Environmental Protection Agency Region 2                       | Harvey Simon (212) 637-3594<br><a href="http://www.epa.gov.region02/gis/dataset/htm">http://www.epa.gov.region02/gis/dataset/htm</a>   | digital              | public                              | 1:24,000<br>other                         | variable             | ARC/INFO<br>ArcView           |
| <b>Utilities</b><br>gas pipelines, gas & electric franchise data, utility infrastructure, cable TV, water companies, telecommunications   | New York State Public Service Commission<br><br>New York Power Pool | Linda Demers (518) 474-5364, <a href="mailto:lmd@eps.state.ny.us">lmd@eps.state.ny.us</a><br><a href="http://www.dps.state.ny.us/index.html">http://www.dps.state.ny.us/index.html</a><br><br>Steve Corey (518) 356-6134<br><a href="http://www.nypowerpool.com/">http://www.nypowerpool.com/</a>  | digital<br><br>paper | public/<br>restricted<br><br>public | 1:24,000<br>other<br><br>1:2,000,000      | Unix<br>PC<br><br>-- | ARC/INFO<br>ArcView<br><br>-- |
| <b>Watershed boundaries</b><br>Major watersheds in Lake Ontario basin; subwatersheds delineated for ~50% of basin.  | U.S. Geological Survey  | Andy Cohen (518) 285-5638<br><a href="http://ny.usgs.gov/htmls/pub/index.html">http://ny.usgs.gov/htmls/pub/index.html</a>   | digital/<br>paper    | restricted                          | 1:24,000                                  | Unix                 | ARC/INFO                      |

|   |   |   |                   |                       |          |                        |                         |
|---|---|---|-------------------|-----------------------|----------|------------------------|-------------------------|
| <b>Water quality</b><br>Ambient & effluent water quality, intensive surveys, waterway planimetric data. | U.S. Environmental Protection Agency<br>Region 2            | Bill Justis (210) 637-3334<br><a href="http://www.epa.gov.region02/gis/atlas/storet.htm">http://www.epa.gov.region02/gis/atlas/storet.htm</a>                           | digital           | public/<br>restricted | variable | variable               | ARC/INFO<br>ArcView     |
| <b>Wetlands</b><br>Locations and types of wetlands.   | New York State Department of Environmental Conservation     | Wayne Richter (518) 783-5733<br><a href="http://www.dec.state.ny.us/">http://www.dec.state.ny.us/</a>   | digital/<br>paper | restricted            | 1:24,000 | SPARC                  | ARC/INFO                |
|   | U.S. Fish & Wildlife Service<br>National Wetlands Inventory | Chief Cartographer (602) 555-1212<br><a href="http://www.nwi.fws.gov/">http://www.nwi.fws.gov/</a>  | digital           | public/<br>restricted | 1:24,000 | variable               | ARC, DLG;<br>dxf, GRASS |
| <b>WWW links</b><br>General GIS information   | National Center for Geographic Information & Analysis       | <a href="http://www.ncgia.ucsb.edu/">http://www.ncgia.ucsb.edu/</a>   | --                | public                | --       | --                     | --                      |
|   | National States Geographic Information Council              | <a href="http://www.geo.drake.edu/nsgic/">http://www.geo.drake.edu/nsgic/</a>   | --                | public                | --       | --                     | --                      |
|   | Environmental Systems Research Institute                    | <a href="http://www.esri.com/base/common/jumpstation/jumpstation.html">http://www.esri.com/base/common/jumpstation/jumpstation.html</a>                                 | --                | public                | --       | --                     | --                      |
|   | Remote sensing and GIS resources                            | <a href="http://www.gis.umn.edu/rsgisinfo/rsgis.html">http://www.gis.umn.edu/rsgisinfo/rsgis.html</a>   | --                | public                | --       | --                     | --                      |
|   | GIS links   | <a href="http://www.gisnet.com/gis/ores/gis/index.html">http://www.gisnet.com/gis/ores/gis/index.html</a>   | --                | public                | --       | --                     | --                      |
|   | Yahoo GIS links   | <a href="http://www.yahoo.com/Science/Geography/Geographic_Information_Systems__GIS_/">http://www.yahoo.com/Science/Geography/Geographic_Information_Systems__GIS_/</a> | --                | public                | --       | --                     | --                      |
|   | Geodata Information Services                                | <a href="http://www.cgrrer.uiowa.edu/servers/servers_geodata.html">http://www.cgrrer.uiowa.edu/servers/servers_geodata.html</a>   | --                | public                | --       | --                     | --                      |
| <b>Zoning for various cities in Southern Tier</b><br>Zoning boundaries and types                        | Southern Tier Central Regional Planning & Development Board | Dara Fell (607) 962-5092<br><a href="http://www.stcrpdb.dst.ny.us/">http://www.stcrpdb.dst.ny.us/</a>   | digital           | public                | variable | Unix<br>Win<br>dows NT | ARC/INFO<br>ArcView     |



**Table 1: Finger Lakes - Lake Ontario Drainage Basin Data Matrix from Federal and State Sources**

| <b>Database description/application</b>  | <b>Agency</b>  | <b>Contact<br/>phone/email/Web site</b>   | <b>Data<br/>format</b> | <b>Use<br/>policy</b> | <b>Map base/<br/>scale</b>  | <b>Hardware</b> | <b>Software/<br/>file type</b>   |
|--|--|---|------------------------|-----------------------|---|-----------------|--|
| <b><u>Agriculture</u></b><br>Agricultural district boundaries  | Department of<br>Agriculture & Markets   | Dolores Dybas<br>(518) 457-7368   | digital                | public                | 1:24,000  | ?               | Arc  |
| <b><u>Biodiversity inventory</u></b>   | New York Natural<br>Heritage Program   | Debbie Albert (518) 783-3932<br><a href="http://www.heritage.tnc.org/nhp/us/ny/">http://www.heritage.tnc.org/nhp/us/ny/</a>   | digital                | public                | 7.5'  | ?               | ASCII  |
| <b><u>Climatological data</u></b>  | National Oceanic and<br>Atmospheric<br>Administration<br><br>National Weather<br>Service | <a href="http://www.ncdc.noaa.gov/ncdc.html">http://www.ncdc.noaa.gov/ncdc.html</a>   | digital                | public                | variable  | variable        | ASCII  |
| <b><u>Compilation of GIS databases<br/>in nine Finger Lakes counties</u></b>   | Genesee/Finger Lakes<br>Regional<br>Planning Council                                     | David Zorn<br>(716) 442-3770<br><a href="http://www.gflrpc.org/gisdata.htm">http://www.gflrpc.org/gisdata.htm</a>   | digital/<br>paper      | public/<br>restricted | variable  | variable        | variable   |
| <b><u>Congressional Districts</u></b>  | U.S. Geological<br>Survey  | <a href="http://nsdi.usgs.gov/nsdi/index.html">http://nsdi.usgs.gov/nsdi/index.html</a>   | digital                | public                | >1:100,000  | variable        | ASCII  |
| <b><u>Digital Orthophoto quadrangles</u></b><br>partial New York State coverage.   | New York State<br>Department of<br>Environmental<br>Conservation                         | Larry Alber (518) 457-3143<br><a href="http://www.dec.state.ny.us">http://www.dec.state.ny.us</a>   | digital                | public                | 1:24,000  | variable        | ArcInfo  |
| <b><u>Digital Elevation Models</u></b><br>partial New York State coverage.   |  |   |                        |                       |   | variable        | <u>DOQs:</u><br>binary<br>images                                       |
| <b><u>Digital Line Graphs</u></b><br>partial New York State coverage<br>(cultural, hydrography, hypsography,<br>transportation, vegetation). | U.S. Geological<br>Survey  | (800) USA-MAPS<br><a href="http://mapping.usgs.gov/nsdi/">http://mapping.usgs.gov/nsdi/</a><br><a href="http://mcmcweb.er.usgs.gov/status/mac/ny/index.html">http://mcmcweb.er.usgs.gov/status/mac/ny/index.html</a><br><a href="http://edcwww.cr.usgs.gov/webglis/">http://edcwww.cr.usgs.gov/webglis/</a> | digital                | public                | <u>DOQs:</u><br><u>1:12,000</u><br><u>DEMs: 7.5';</u><br><u>1:100,000</u><br><u>DLGs: 7.5';</u><br><u>1:100,000</u><br><u>DRGs: 1°x1°</u> |                 | <u>DEMs:</u><br>ASCII<br><u>DLGs:</u><br>ASCII<br><u>DRGs:</u><br>TIFF |
| <b><u>Digital Raster Graphics</u></b><br>partial New York State coverage.  |  |   |                        |                       |   |                 |  |

| <b>Database description/application</b>  | <b>Agency</b>   | <b>Contact<br/>phone/email/Web site</b>   | <b>Data<br/>format</b> | <b>Use<br/>policy</b> | <b>Map base/<br/>scale</b>         | <b>Hardware</b> | <b>Software/<br/>file type</b>   |
|--|---|---|------------------------|-----------------------|------------------------------------|-----------------|----------------------------------|
| <b>Economic</b><br>business, employment & labor  | New York State Data Center  | <a href="http://205.232.252.23/nysdc">http://205.232.252.23/nysdc</a><br>(518) 474-1141                                     | digital                | public                | variable                           | variable        | variable                         |
|  | New York State Department of Labor                                | <a href="http://www.labor.state.ny.us">http://www.labor.state.ny.us</a>   | digital                | public                |                                    |                 |                                  |
| <b>Emergency</b><br>dose-assessment models, fire data, floods, historical seismicity, hurricanes, nuclear-plant evacuation routes, rain gages, tornadoes, toxic waste inventories, weather stations. | New York State Emergency Management Office                        | Dan O'Brien<br>(518) 457-1836<br><a href="http://www.nysemo.state.ny.us/">http://www.nysemo.state.ny.us/</a>                | paper/<br>digital      | public                | 1:250,000<br>1:100,000<br>1:24,000 | variable        | ArcInfo                          |
|  | New York Department of State, Office of Fire Prevention & Control | (518) 474-6746<br><a href="http://www.dos.state.ny.us/fire/firedata.html">http://www.dos.state.ny.us/fire/firedata.html</a> | paper/<br>digital      | public                |                                    |                 |                                  |
| <b>Flood</b><br>Q3 flood data.   | Federal Emergency Management Agency                               | <a href="http://www.fema.gov/msc/q3flooda.htm">http://www.fema.gov/msc/q3flooda.htm</a>                                     | digital                | public                | 7.5'                               | Unix            | ArcInfo<br>MapInfo<br>DLG<br>DRG |
| <b>Forests</b><br>fire effects information system, forest inventory and research, pest conditions, etc.  | USDA Forest Service   | Tom Frieswyk<br>(610) 975-4075<br><a href="http://www.fs.fed.us/database/">http://www.fs.fed.us/database/</a>               | digital                | public                |                                    | variable        | variable                         |
|  | U.S. Environmental Protection Agency                              | <a href="http://www.epa.gov/docs/grd/forest_inventory/">http://www.epa.gov/docs/grd/forest_inventory/</a>                   | digital                | public                | variable                           | variable        | ArcInfo<br>GIF                   |
| <b>Geographical reference data</b><br>locations and periods of record for meteorological stations and reservoir & stream gages.  | U.S. Geological Survey<br>GCIP Reference Data Set                 | <a href="http://nsdi.usgs.gov/nsdi/wais/water/gcip.html">http://nsdi.usgs.gov/nsdi/wais/water/gcip.html</a>                 | digital                | public                | variable                           | variable        | DLG<br>ArcInfo<br>ASCII          |

| <b>Database description/application</b>   | <b>Agency</b>   | <b>Contact<br/>phone/email/Web site</b>   | <b>Data<br/>format</b> | <b>Use<br/>policy</b> | <b>Map base/<br/>scale</b> | <b>Hardware</b> | <b>Software/<br/>file type</b> |
|---|---|---|------------------------|-----------------------|----------------------------|-----------------|--------------------------------|
| <b>Great Lakes</b><br>commercial fishing database   | Great Lakes<br>Science Cntr. USGS<br>Biological Res Div.      | Scott Nelson (313) 994-3331 x243<br>scott_nelson@usgs.gov   | digital                | public                | ?                          | ?               | ?                              |
| areas of concern for beneficial water<br>use  | U.S. Environmental<br>Protection Agency                       | USEPAnsdi@epamail.epa.gov<br><a href="http://nsdi.epa.gov/nsdi/projects/r5_aochuc.html">http://nsdi.epa.gov/nsdi/projects/r5_aochuc.html</a><br><a href="http://nsdi.epa.gov/nsdi/projects/r5_grlks2mhtml">http://nsdi.epa.gov/nsdi/projects/r5_grlks2mhtml</a> | digital                | public                | 1:250,000                  | variable        | Arc-Export                     |
| coastal areas & shorelines  | New York State<br>Department of State                         | Thomas Hart (518) 474-6000  | paper/<br>digital      | public                | ?                          | ?               | ?                              |
| flooding information - Lakes Ontario<br>& Erie  | U.S. Army Corps of<br>Engineers                               | Bryan Miner (716) 879-4208<br><a href="http://www.ncb.usace.army.mil/emb/lakes2.htm">http://www.ncb.usace.army.mil/emb/lakes2.htm</a>   |                        |                       |                            |                 |                                |
| <b>Health data</b><br>county health profiles, environmental<br>health and vital statistics. | New York State<br>Department of Health                        | Brian Scott (518) 474-8373<br><a href="http://www.health.state.ny.us">http://www.health.state.ny.us</a>   | digital                | public                | variable                   | variable        | variable                       |
| <b>Historic landmarks</b><br>sites listed in historical register,<br>archeological sites.   | New York State Parks<br>Recreation & Historic<br>Preservation | Robert Engler<br>(518) 237-8643<br><a href="http://www.nysparks.state.ny.us">http://www.nysparks.state.ny.us</a>  | paper/<br>digital      | public/<br>restricted | ?                          | ?               | ?                              |
|   | National Register<br>Information System                       | <a href="http://www.nr.nps.gov/nrishome.htm">http://www.nr.nps.gov/nrishome.htm</a>   | digital                | public                | ?                          | ?               | dBASE                          |

| <b>Database description/application</b>   | <b>Agency</b>  | <b>Contact<br/>phone/email/Web site</b>  | <b>Data<br/>format</b> | <b>Use<br/>policy</b> | <b>Map base/<br/>scale</b>           | <b>Hardware</b> | <b>Software/<br/>file type</b>         |
|---|--|--|------------------------|-----------------------|--------------------------------------|-----------------|--|
| <b>Hydrology</b><br>lakes, rivers, streams and wetlands >12<br>hectares; watershed boundaries.<br><br>Hydrologic Unit Codes, stream gages | New York State<br>Department of<br>Environmental<br>Conservation                   | Howard Pike<br>(518) 457-1617  | digital                | public                | 1:24,000                             | variable        | ArcInfo                                |
|   | U.S. Geological<br>Survey  | Ken Lanfear h2oteam@qvasax.er.usgs.gov   | digital                | public                | 1:500,000<br>1:2,000,000             | AViioN<br>Unix  | ArcInfo                                |
| <b><u>Inventories of dams, inactive<br/>hazardous waste sites,<br/>&amp; regulated facilities</u></b>                                     | New York State<br>Department of<br>Environmental<br>Conservation                   | Larry Alber<br>(518) 457-3143<br>lalbar@gw.dec.state.ny.us<br><a href="http://www.dec.state.ny.us/">http://www.dec.state.ny.us/</a>  | paper                  | public                | ?                                    | --              | --                                     |
| <b><u>Land use and land cover</u></b>   | U.S. Geological<br>Survey  | <a href="http://edcwww.cr.usgs.gov/glis/hyper/guide/1_250_lulcfigs/states/NY.html">http://edcwww.cr.usgs.gov/glis/hyper/guide/<br/>1_250_lulcfigs/states/NY.html</a>   | digital                | public                | 1;2,000,000<br>1:250,000<br>1:24,000 | variable        | GIRAS<br>CTG<br>Landsat<br>SPOT<br>DLG |
|   | U.S. Fish and<br>Wildlife Service  | Deb_Southworth@mail.fws.gov<br><a href="http://www.fws.gov/data/gisdata.html">http://www.fws.gov/data/gisdata.html</a>   | digital                | public                |                                      |                 |  |
| <b><u>Landfills and<br/>Resource Conservation and<br/>Recovery Act sites</u></b>  | New York State Dept.<br>of Environmental<br>Conservation - Solid<br>Waste Division | Gerald Wagner<br>(518) 457-2051<br><a href="http://www.dec.state.ny.us/">http://www.dec.state.ny.us/</a>   | paper                  | public                | ?                                    | --              | --                                     |
|   | U.S. Geological<br>Survey  | Ken Lanfear (703) 648-6852<br><a href="http://water.usgs.gov/nsdi/usgswrd/landfill.html">http://water.usgs.gov/nsdi/usgswrd/landfill.html</a><br><a href="http://nsdi.usgs.gov/nsdi/wais/water/rcra.HTML">http://nsdi.usgs.gov/nsdi/wais/water/rcra.HTML</a> | digital                | public                |                                      | Unix            | ArcInfo                                |
| <b><u>Military</u></b>  | State of New York<br>Division of Military &<br>Naval Affairs                       | William Watson<br>(518) 786-4817<br><a href="http://.dmna.state.ny.us/">http://.dmna.state.ny.us/</a>  | digital/<br>paper      | public/<br>restricted | ?                                    | ?               | ?                                      |

| <b>Database description/application</b>   | <b>Agency</b>   | <b>Contact<br/>phone/email/Web site</b>   | <b>Data<br/>format</b> | <b>Use<br/>policy</b> | <b>Map base/<br/>scale</b> | <b>Hardware</b> | <b>Software/<br/>file type</b>          |
|---|---|---|------------------------|-----------------------|----------------------------|-----------------|---|
| <u><b>Miscellaneous</b></u><br>active and closed municipal-waste sites, air-permit data, ground-water well locations, locations of waste-water discharges, public water supplies, radon measurements state-wide, toxic chemical release inventory, water and gas lines. All for selected locations. | New York State<br>Department of Health<br><br>Southern Tier<br>Central Regional<br>Planning &<br>Development Board                      | Thomas Talbot<br>(518) 458-6212<br><a href="http://www.health.state.ny.us">http://www.health.state.ny.us</a><br><br>Tom Mank<br>(607) 962-5092  | digital/<br>paper      | public/<br>restricted | variable                   | variable        | ArcInfo<br>other                        |
| <u><b>National Water<br/>Information System</b></u><br>Locations of gaging stations, precipitation gages, wells; and associated data (flow, water level, water quality, etc.)   | U.S. Geological Survey  | Andy Cohen<br>(518) 285-5638<br><a href="mailto:acohen@usgs.gov">acohen@usgs.gov</a>  | digital/<br>paper      | public                | 1:24,000                   | Unix            | ArcInfo                                 |
| <u><b>Natural resources</b></u><br>mines, oil/gas wells.<br><br>soil boring logs, other geospatial data   | New York State<br>Department of<br>Environmental<br>Conservation - Mineral<br>Resources Division<br><br>U.S. Army Corps of<br>Engineers | Greg Sovas<br>(518) 457-7480<br><a href="http://www.dec.state.ny.us/">http://www.dec.state.ny.us/</a><br><br>Chief, Geology Section (212) 264-9056<br><a href="http://corpsgeol.usace.army.mil/CENAN/cenan.nrms.html">http://corpsgeol.usace.army.mil/CENAN/cenan.nrms.html</a><br>Daniel Rodriguez (212) 264-3448<br><a href="http://corpsgeol.usace.army.mil/CENAD/cenad.poc.html">http://corpsgeol.usace.army.mil/CENAD/cenad.poc.html</a> | ?<br><br>digital       | ?<br><br>?            | ?<br><br>--                | ?<br><br>PC     | ?<br><br>dBase<br>TIFF<br>JPEG<br>other |

| <b>Database description/application</b>   | <b>Agency</b>  | <b>Contact<br/>phone/email/Web site</b>   | <b>Data<br/>format</b>             | <b>Use<br/>policy</b>               | <b>Map base/<br/>scale</b>        | <b>Hardware</b> | <b>Software/<br/>file type</b> |
|---|--|---|------------------------------------|-------------------------------------|-----------------------------------|-----------------|--------------------------------|
| <u><b>New York State Clearinghouse<br/>for Geographic Data</b></u><br><br><u><b>Center for Technology in the<br/>Environment</b></u><br><br><u><b>Statewide GIS Data Sharing<br/>Cooperative Participants &amp; Inventories</b></u>   | New York State<br>Department of<br>Education   | <a href="http://www.nysl.nysed.gov/gis/">http://www.nysl.nysed.gov/gis/</a><br><br><a href="http://www.ctg.albany.edu/gis/directory.html">http://www.ctg.albany.edu/gis/directory.html</a><br><br><a href="http://www.nysl.nysed.gov/gis/cooplist.htm">http://www.nysl.nysed.gov/gis/cooplist.htm</a>   | digital                            | public                              | variable                          | variable        | variable                       |
| <u><b>New York State Department of<br/>Environmental Conservation</b></u> -<br>numerous coverages under development<br>for public release (e.g. air-monitoring<br>stations, bedrock data, hydrographic<br>features, largest pollution generators, mine<br>locations, roads, wildlife-management &<br>natural resources data). | New York State<br>Department of<br>Environmental<br>Conservation   | Larry Alber<br>(518) 457-3143<br><a href="http://www.dec.state.ny.us/">http://www.dec.state.ny.us/</a>  | paper/<br>digital                  | restricted                          | variable                          | Unix<br>PC      | ArcInfo/<br>other              |
| <u><b>Parks</b></u><br>archeological sites, maps,<br>national register sites, natural resource<br>inventories, park boundaries,<br>snowmobile trails  | New York State Office<br>of Parks, Recreation &<br>Historic Preservation<br><br>National Park<br>Service | John Fox (518) 486-2098<br><a href="http://www.nysparks.state.ny.us/info/">http://www.nysparks.state.ny.us/info/</a><br><br>Nigel Shaw (617) 742-4468<br><a href="http://www.nps.gov/hfc/salespubs/index.htm">http://www.nps.gov/hfc/salespubs/index.htm</a><br><a href="http://www.nps.gov/hfc/salespubs/index.htm">http://www.nps.gov/hfc/salespubs/index.htm</a> | polygon<br>coverage<br><br>digital | public/<br>restricted<br><br>public | 1:24,000<br><br>1:24,000<br>other | ?<br><br>?      | ArcInfo<br><br>GIF<br>ASCII    |
| <u><b>Police</b></u><br>landmarks, roads, water features, etc.  | New York State Police  | Thomas Cowper (518) 457-9466<br><a href="http://www.troopers.state.ny.us/">http://www.troopers.state.ny.us/</a>   | paper/<br>digital                  | public/<br>restricted               | ?                                 | ?               | ArcInfo                        |
| <u><b>Political boundaries</b></u><br>counties, municipalities, towns.  | New York State Office<br>of Real Property<br>Services  | Ross Testa<br>(518) 486-4518  | digital/<br>paper                  | public                              | 1:24,000                          | Unix            | ArcInfo                        |

| <b>Database description/application</b>  | <b>Agency</b>   | <b>Contact<br/>phone/email/Web site</b>  | <b>Data<br/>format</b> | <b>Use<br/>policy</b>      | <b>Map base/<br/>scale</b> | <b>Hardware</b> | <b>Software/<br/>file type</b>  |
|--|---|--|------------------------|----------------------------|----------------------------|-----------------|---------------------------------|
| <b>Population</b><br>census blocks (1990).   | Census Bureau   | <a href="http://www.census.gov/geo/www/tiger">http://www.census.gov/geo/www/tiger</a>  | digital                | public                     | 1:100,000                  | VAX             | Tiger files<br>ArcInfo          |
|  | New York State<br>Department of Health                | Thomas Talbot (518) 458-6212   | digital                | public                     | 1:24,000                   | PC              |                                 |
|  | SEDAC   | <a href="http://plue.sedac.ciesin.org/plue/ddcarto/html/">http://plue.sedac.ciesin.org/plue/ddcarto/html/</a>                                      | digital                | public                     | 1:100,000                  | variable        | Atlas GIS<br>ArcInfo<br>MapInfo |
| <b>Remote imagery</b><br>Landsat, RadarSat   | New York State<br>Department of State                 | Thomas Hart<br>(518) 474-6000  | digital                | public                     | 1:24,000                   | variable        | ?                               |
| <b>Sand and gravel aquifers</b><br>glaciated northeastern U.S.<br>;not currently released.   | U.S. Geological<br>Survey                             | Al Randall; Andy Cohen<br>(518) 285-5628   | digital                | public<br>when<br>released | variable                   | Unix            | ArcInfo                         |
| <b>School districts</b>  | New York State Office<br>of Real Property<br>Services | William Godell<br>(518) 486-4513 bill.godell@orps.state.ny.us  | digital/<br>paper      | public                     | 1:600<br>1:4800<br>other   | ?               | ArcInfo                         |
| <b>Soils</b><br>STATSGO<br><br><u>Cornell University</u> - Digitized soils<br>maps: parts of Clinton, Jefferson,<br>Oneida, Oswego, Seneca & St.<br>Lawrence Counties; Onondaga &<br>Skaneateles Lakes watersheds. | Natural Resources<br>Conservation Service             | State Soil Scientist (315) 423 5510<br><a href="http://www.ftw.nrcs.usda.gov/stat_data.html">http://www.ftw.nrcs.usda.gov/stat_data.html</a>       | digital                | public                     | 1:250,000                  | variable        | ArcInfo<br>ASCII                |
|  | Cornell<br>University                                 | Soil Science Department<br>Steve Carlisle<br>(607) 255-2278  | digital                | public<br>eventually       | ?                          | ?               | ?                               |
| <b>Surficial aquifers</b><br>primary and sole source.  | U.S. Geological Survey                                | Andy Cohen<br>(518) 285-5638   | digital                | public/<br>restricted      | 1:24,000<br>1:250,000      | Unix & PC       | ArcInfo<br>ArcView              |
|  | New York State<br>Department of Health                | Tom Talbot (518) 458-6212  | digital                |                            |                            |                 |                                 |
|  | U.S. Environmental<br>Protection Agency               | Larry Albers (518) 457-3143<br><a href="http://www.epa.gov/region02/gis/atlas/aquifers.htm">http://www.epa.gov/region02/gis/atlas/aquifers.htm</a> | digital                |                            |                            |                 |                                 |

| <b>Database description/application</b>   | <b>Agency</b>  | <b>Contact<br/>phone/email/Web site</b>   | <b>Data<br/>format</b> | <b>Use<br/>policy</b> | <b>Map base/<br/>scale</b>     | <b>Hardware</b> | <b>Software/<br/>file type</b> |
|---|--|---|------------------------|-----------------------|--------------------------------|-----------------|--------------------------------|
| <b><u>Surficial glacial geology,<br/>bedrock geology, faults,<br/>&amp; mineral locations</u></b>   | New York State<br>Geological Survey  | David Gerhard<br>(518) 474-5818   | digital/<br>paper      | public                | 1:250,000<br>1:24,000<br>other | Unix<br>PC      | ArcInfo<br>other               |
|   | New York State<br>Museum   | <a href="http://www.nysm.nysed.gov/datasets.html">http://www.nysm.nysed.gov/datasets.html</a>                       | digital                | public                |                                |                 |                                |
|   | Southern Tier Central<br>Regional Planning &<br>Development Board                                | Tom Mank<br>(607) 962-5092  | paper                  | public                |                                |                 |                                |
| <b><u>Tax maps for various cities</u></b>   | Southern Tier<br>Central Regional<br>Planning &<br>Development Board                             | Tom Mank<br>(607) 962-5092  | paper                  | ?                     | ?                              | --              | --                             |
| <b><u>Telephone directory</u></b>   | New York State Office<br>of General Services   | <a href="http://www.ogs.state.ny.us/telecom/org/default.htm">http://www.ogs.state.ny.us/telecom/org/default.htm</a> | digital                | public                | --                             | --              | --                             |
| <b><u>Thematic mapping</u></b> - at one-quarter acre<br>pixel size. May be available near the end of<br>1998. Photography was early 1990's. | U.S. Environmental<br>Protection Agency<br>Region 2<br><br>New York State<br>Department of State | Harvey Simon<br>(212) 637-3594<br><a href="http://www.epa.gov/mrlc">http://www.epa.gov/mrlc</a>                     | digital                | public                | 1:100,000                      | Unix            | ArcInfo                        |
| <b><u>Tourism</u></b> - recreation  | New York State Travel<br>and Tourism   | <a href="http://www.iloveny.state.ny.us/">http://www.iloveny.state.ny.us/</a>                                       | paper                  | public                | --                             | --              | --                             |



| <b>Database description/application</b>   | <b>Agency</b>  | <b>Contact<br/>phone/email/Web site</b>   | <b>Data<br/>format</b> | <b>Use<br/>policy</b> | <b>Map base/<br/>scale</b>     | <b>Hardware</b> | <b>Software/<br/>file type</b> |
|---|--|---|------------------------|-----------------------|--------------------------------|-----------------|--------------------------------|
| <b><u>Toxic release inventory</u></b>   | U.S. Environmental Protection Agency                                       | Environmental Assistance Div., GIS Support<br>(202) 260-3931<br><a href="http://earth1.epa.gov/TRI_cover93/MetaRecord.html">http://earth1.epa.gov/TRI_cover93/MetaRecord.html</a>   | digital                | public                | ?                              | ?               | ?                              |
| <b><u>Hazardous substance release/<br/>health effects database</u></b>  | HazDat<br>(Agency for Toxic Substances and Disease Registry)               | Dr. Sandra Susten<br>(404) 639-0700<br><a href="http://atsdr1.atsdr.cdc.gov:8080/hazdat.html">http://atsdr1.atsdr.cdc.gov:8080/hazdat.html</a>  |                        |                       |                                |                 |                                |
| <b><u>Transportation</u></b><br>airports, bridges, names, railroads,<br>remote imagery, roads, survey<br>monuments, topographic maps, etc.  | New York State.<br>Transportation<br>Department                            | Map Information Section<br>(518) 457-3555<br><a href="http://www.nysl.nysed.gov/gis/inventories/dot.htm">http://www.nysl.nysed.gov/gis/inventories/dot.htm</a><br><a href="http://www.bts.gov/cgi-bin/gis/and.or.new">http://www.bts.gov/cgi-bin/gis/and.or.new</a> | digital/<br>paper      | public/<br>restricted | 1:250,000<br>1:24,000<br>other | UNIX            | ArcInfo<br>others              |
| <b><u>U.S. Environmental Protection Agency</u></b><br>air quality, biological, cultural & water<br>resources, control layers, image &<br>CAD data, regulatory & terrain<br>features, transportation, utilities. | U.S. Environmental Protection Agency<br>Region 2                           | Harvey Simon<br>(212) 637-3594<br><a href="http://www.epa.gov.region02/gis/dataset/htm">http://www.epa.gov.region02/gis/dataset/htm</a>   | digital                | public                | 1:24,000<br>other              | variable        | ArcInfo<br>ArcView             |
| <b><u>Utilities</u></b>   | New York State<br>Public Service<br>Commission                             | Anthony Grego<br>(518) 474-5599<br><a href="http://www.dps.state.ny.us/index.html">http://www.dps.state.ny.us/index.html</a>  | ?                      | ?                     | ?                              | ?               | ?                              |
|   | New York Power Pool  | <a href="http://www.nypowerpool.com/">http://www.nypowerpool.com/</a>   | digital                | public/<br>restricted | 1:24,000                       | ?               | polygon<br>coverage            |
| <b><u>Watershed boundaries</u></b><br>major watershed divides are available<br>for entire Lake Ontario basin;<br>subwatershed delineations exist for<br>~50% of basin.  | U.S. Geological<br>Survey<br><br>Natural Resources<br>Conservation Service | Andy Cohen<br>(518) 285-5638<br>acohen@usgs.gov<br><a href="http://ny.usgs.gov">http://ny.usgs.gov</a>  | digital/<br>paper      | restricted            | 7.5'<br>1:24,000               | Unix            | ArcInfo                        |

| <b>Database description/application</b>  | <b>Agency</b>  | <b>Contact<br/>phone/email/Web site</b>   | <b>Data<br/>format</b>           | <b>Use<br/>policy</b>                   | <b>Map base/<br/>scale</b> | <b>Hardware</b>       | <b>Software/<br/>file type</b>             |
|--|--|---|----------------------------------|---|----------------------------|-----------------------|--|
| <b><u>Water quality</u></b><br>ambient, biological, and effluent water<br>quality, intensive surveys, waterway<br>planimetric data, etc. | U.S. Environmental<br>Protection Agency<br>Region 2  | Bill Justis<br>(210) 637-3334<br><a href="http://www.epa.gov.region02/gis/atlas/storet.htm">http://www.epa.gov.region02/gis/atlas/storet.htm</a>  | digital                          | public/<br>restricted                   | variable                   | variable              | ArcView<br>ArcInfo                         |
| <b><u>Wetlands</u></b>   | New York State<br>Department of<br>Environmental<br>Conservation<br><br>U.S. Fish & Wildlife<br>Service National<br>Wetlands Inventory | Wayne Richter<br>(518) 783-5733<br><a href="http://www.dec.state.ny.us/">http://www.dec.state.ny.us/</a><br><br>Chief Cartographer<br>(602) 555-1212<br><a href="http://www.nwi.fws.gov/">http://www.nwi.fws.gov/</a> | digital/<br>paper<br><br>digital | restricted<br><br>public/<br>restricted | 1:24,000<br><br>1:24,000   | SPARC<br><br>variable | ArcInfo<br><br>Arc<br>DLG3<br>DXF<br>GRASS |
| <b><u>Zoning for various cities</u></b>  | Southern Tier Central<br>Regional Planning &<br>Development Board  | Tom Mank<br>(607) 962-5092  | paper                            | ?                                       | ?                          | -                     | -  |