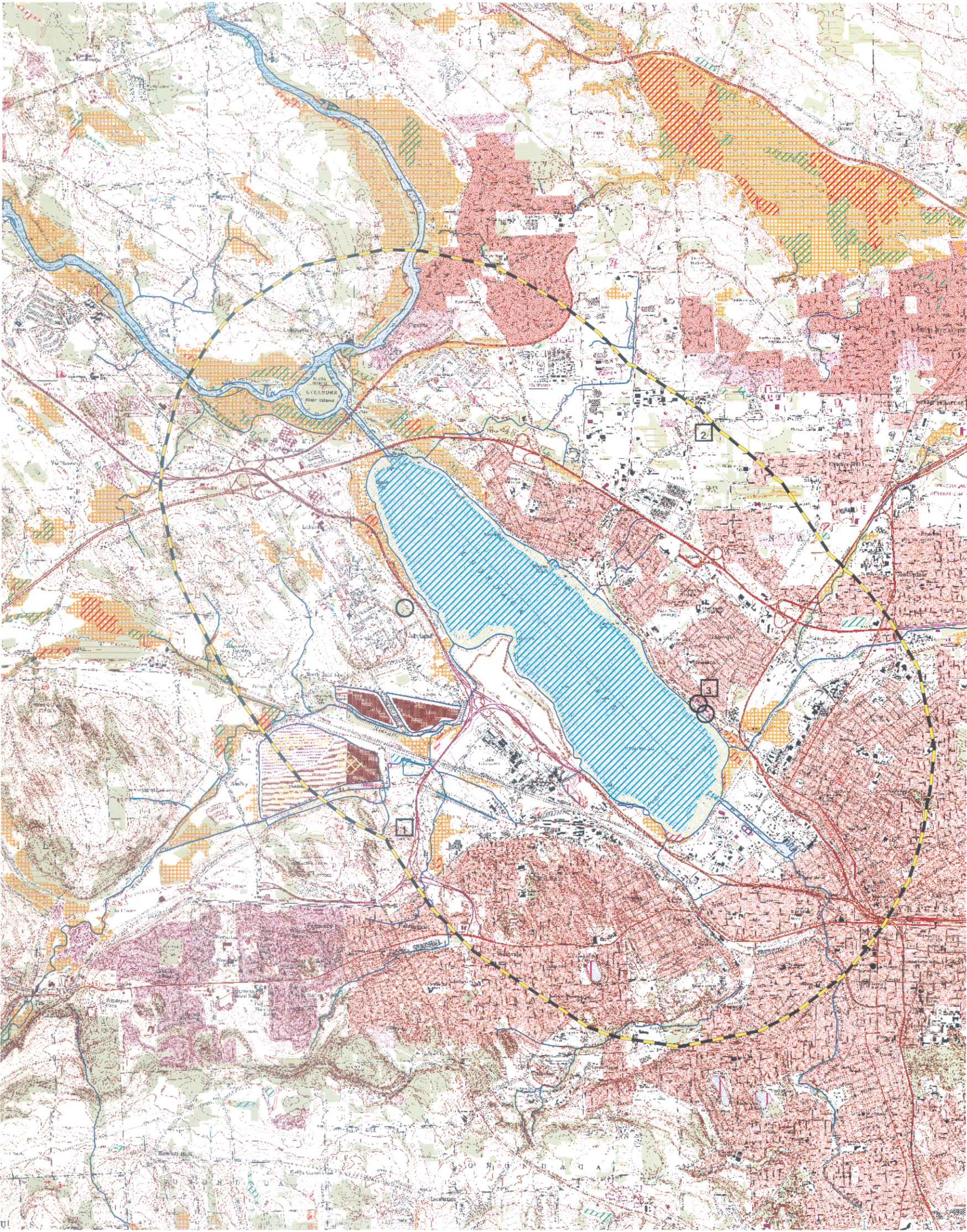




LEGEND

- NYSDEC Regulated Wetlands**
- NWI wetlands**
- L1 Lacustrine (limnetic)
 - L2 Lacustrine (littoral)
 - PEM Palustrine (emergent)
 - PFO Palustrine (forested)
 - PSS Palustrine (scrub-shrub)
 - PUB Palustrine (unconsolidated bottom)
 - R2 Riverine (low perennial)

- Two-mile (3.2-km) extent around Onondaga Lake study area**
- Natural Heritage Program Sensitive Areas**
- RarePlant
 - 1 Sartwell's sedge
 - 2 Little-leaf tick-trefoil
 - 3 Red pigweed
 - Inland salt pond



0 2000 4000 6000 Feet

0 1000 2000 Meters

Source: Base map from USGS (1973)
Modified from Exponent, 2001b.

Figure 3-1. Topographic Features of Onondaga Lake and Vicinity

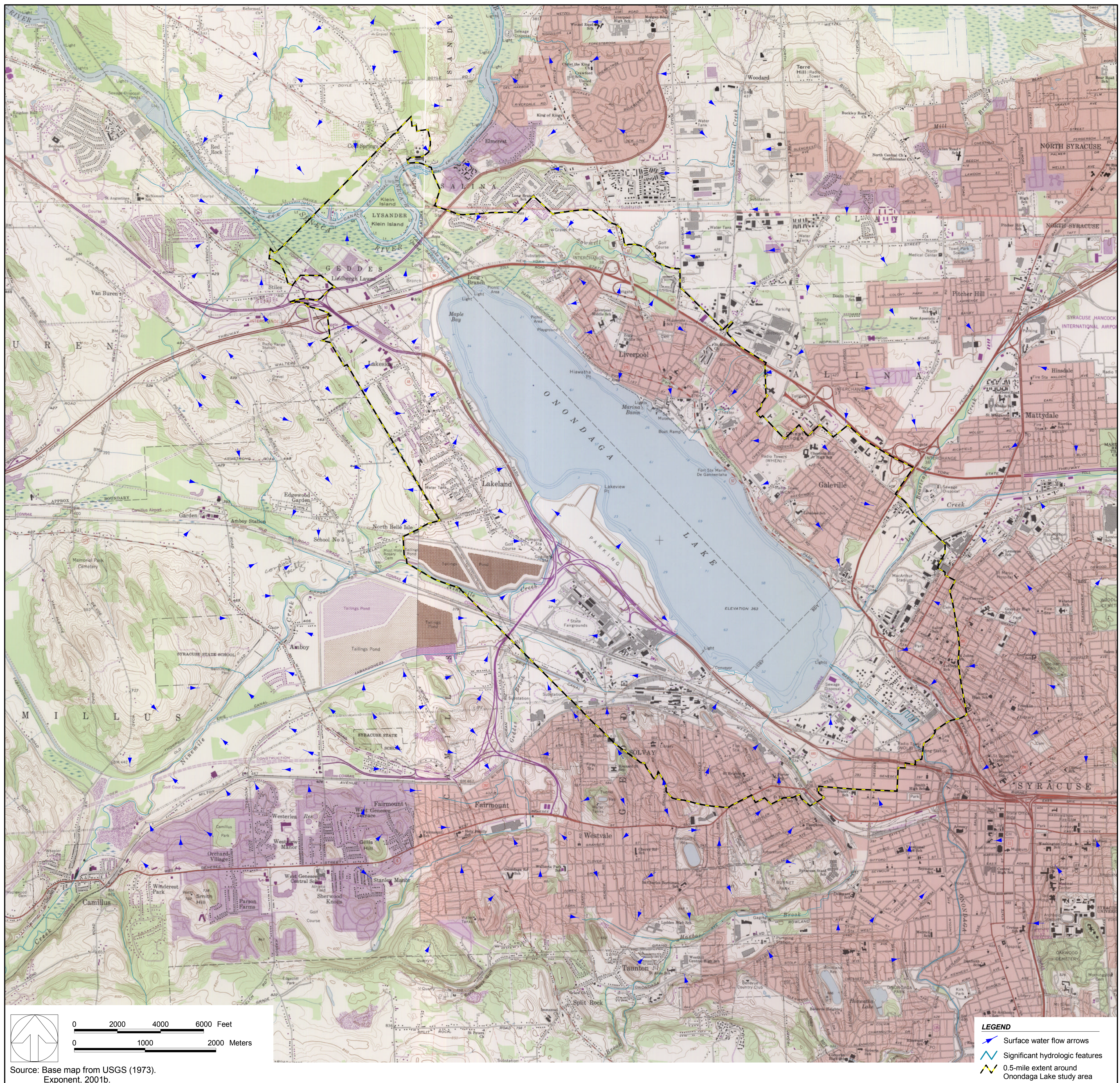
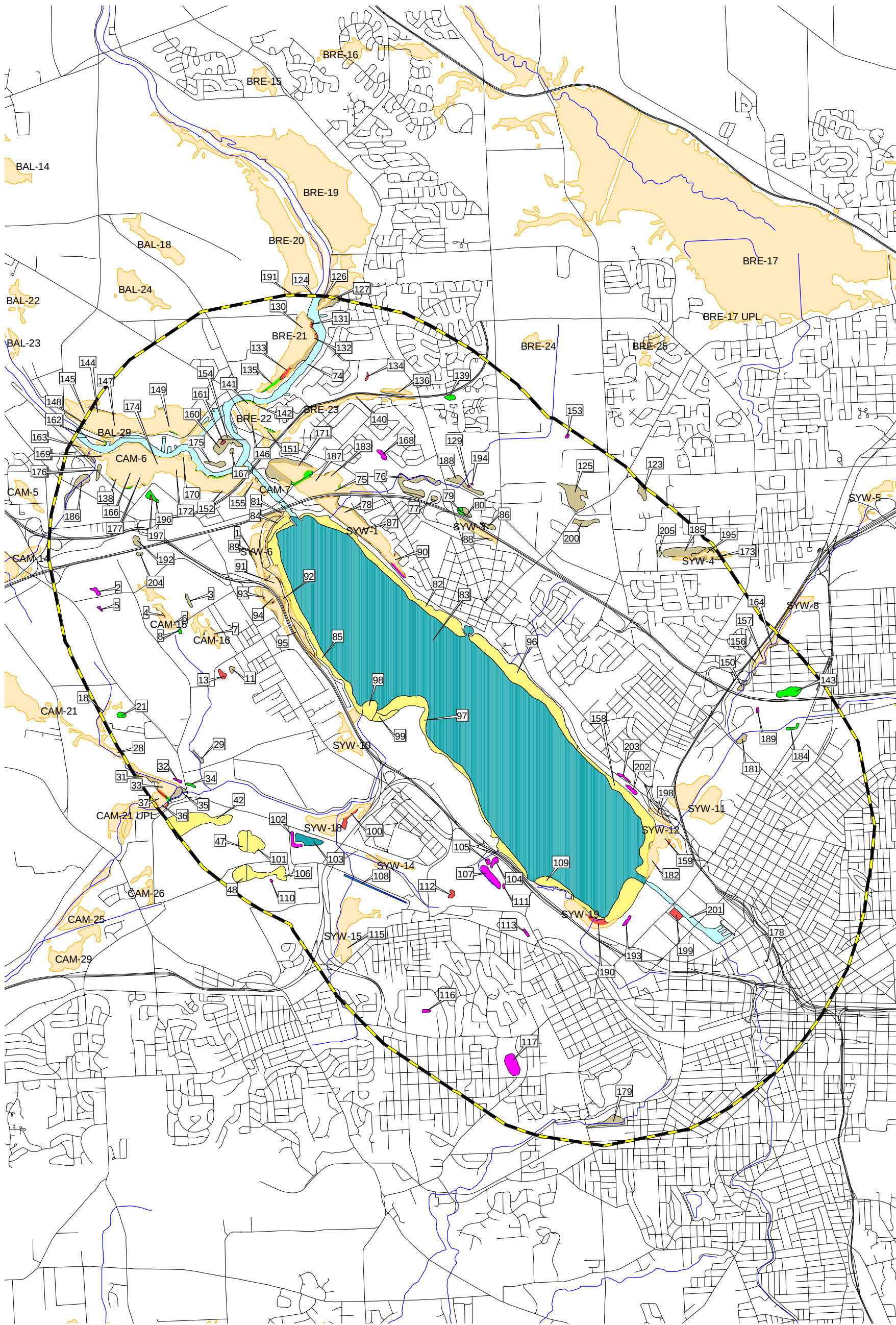


Figure 3-2. Surface Water Flow Patterns in the Onondaga Lake Area

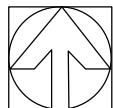


LEGEND

NW1 wetlands attributes

	L1 Lacustrine (limnetic)
	L2 Lacustrine (littoral)
	PEM Palustrine (emergent)
	PFO Palustrine (forested)
	PSS Palustrine (scrub-shrub)
	PUB Palustrine (unconsolidated bottom)
	R2 Riverine (low perennial)

	NYSDEC wetlands
	Two-mile (3.2-km) extent around Onondaga Lake study area
	Sequential number corresponding to BERA Table 3-3
 SYW-14	NYSDEC wetland identification code

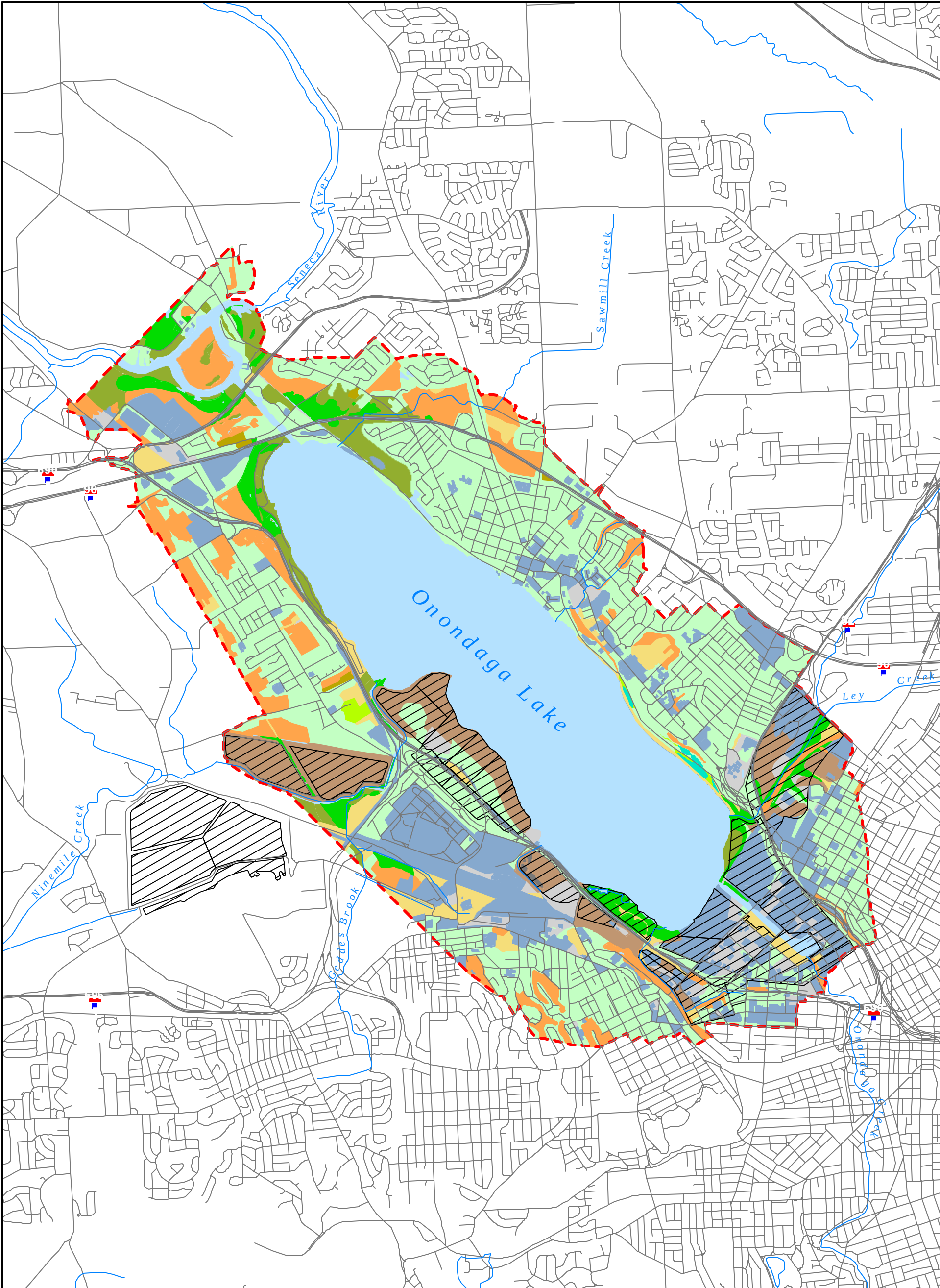


0 3000 6000 Feet

0 1000 2000 Meters

Figure 3-3. Wetlands Surrounding Onondaga Lake Study Area

Source: Base map from NYSDOT (no date)
Exponent, 2001b.



Legend

- | | |
|--|--|
|  Agriculture |  Successional Habitat |
|  Emergent Marsh |  Successional Northern Hardwood |
|  Floodplain Forest |  Semet Residue Ponds |
|  Inland Salt Marsh |  Unpaved Roadside/Vacant Lot |
|  Inland Salt Pond |  Wastebed Undeveloped |
|  Mowed Lawn/Structure |  Solvay Wastebed |
|  Open Water |  Study Area |
|  Paved/Structure |  River/Stream |

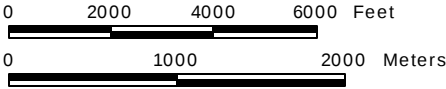


Figure 3-4. Covertypes within 0.5 mile (0.8 km) of the Onondaga Lake Study Area

Source: Base map from NYSDOT (no date). Covertypes near lake shore confirmed by NYSDEC, 2001. Modified from Exponent, 2001b.

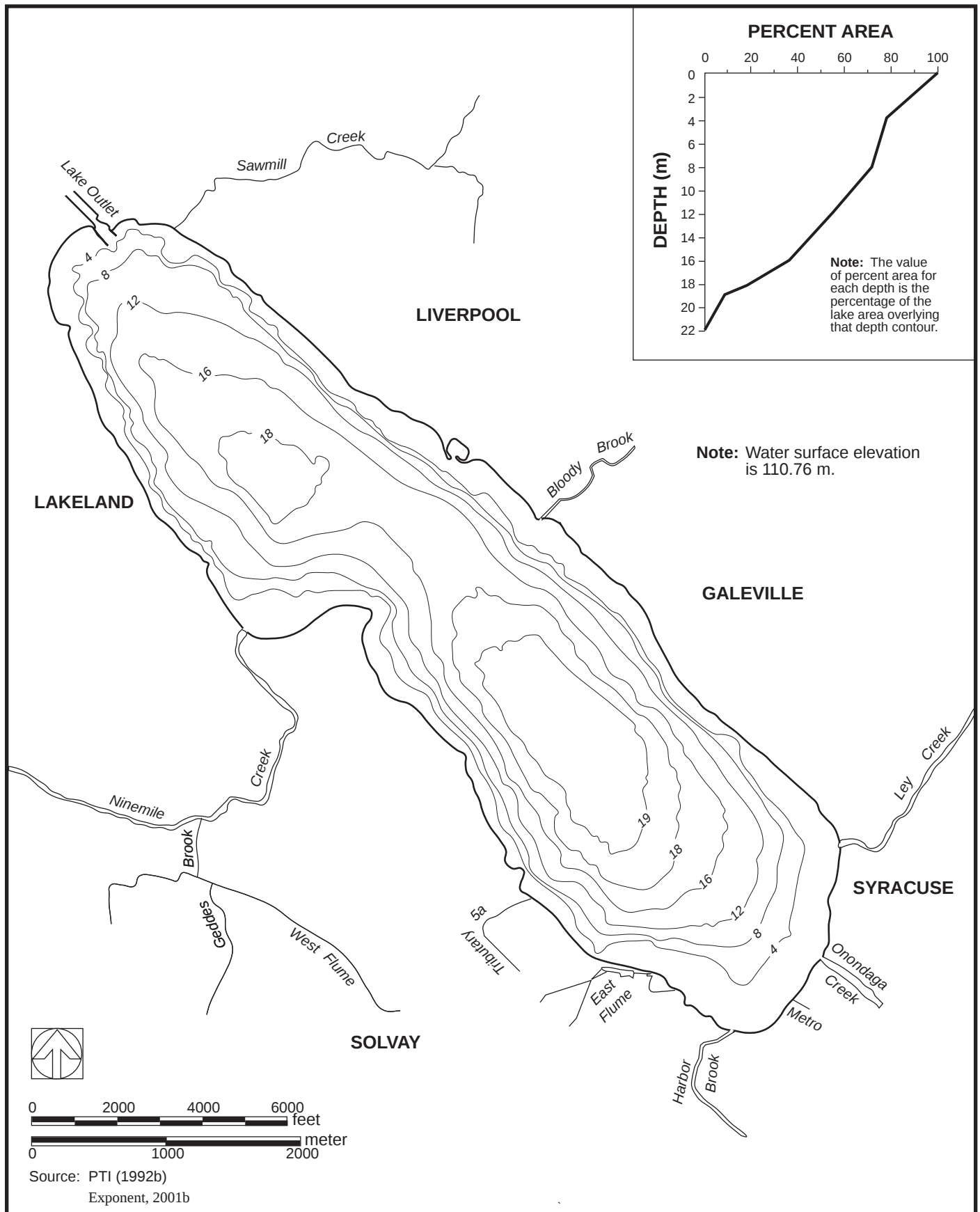


Figure 3-5. Bathymetry and hypsographic curve (inset) for Onondaga Lake

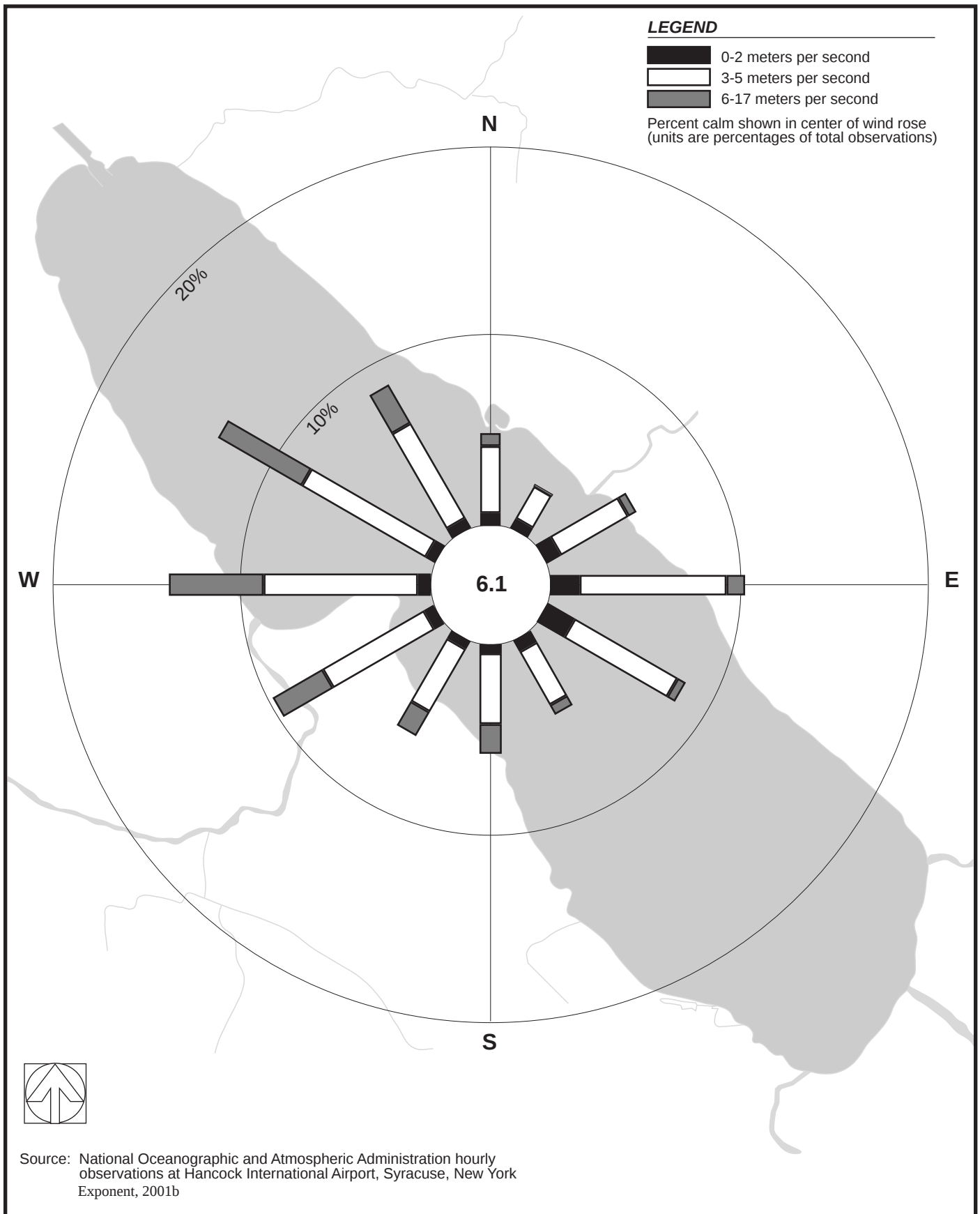


Figure 3-6. Annual wind rose for Onondaga Lake during 1983 to 1992

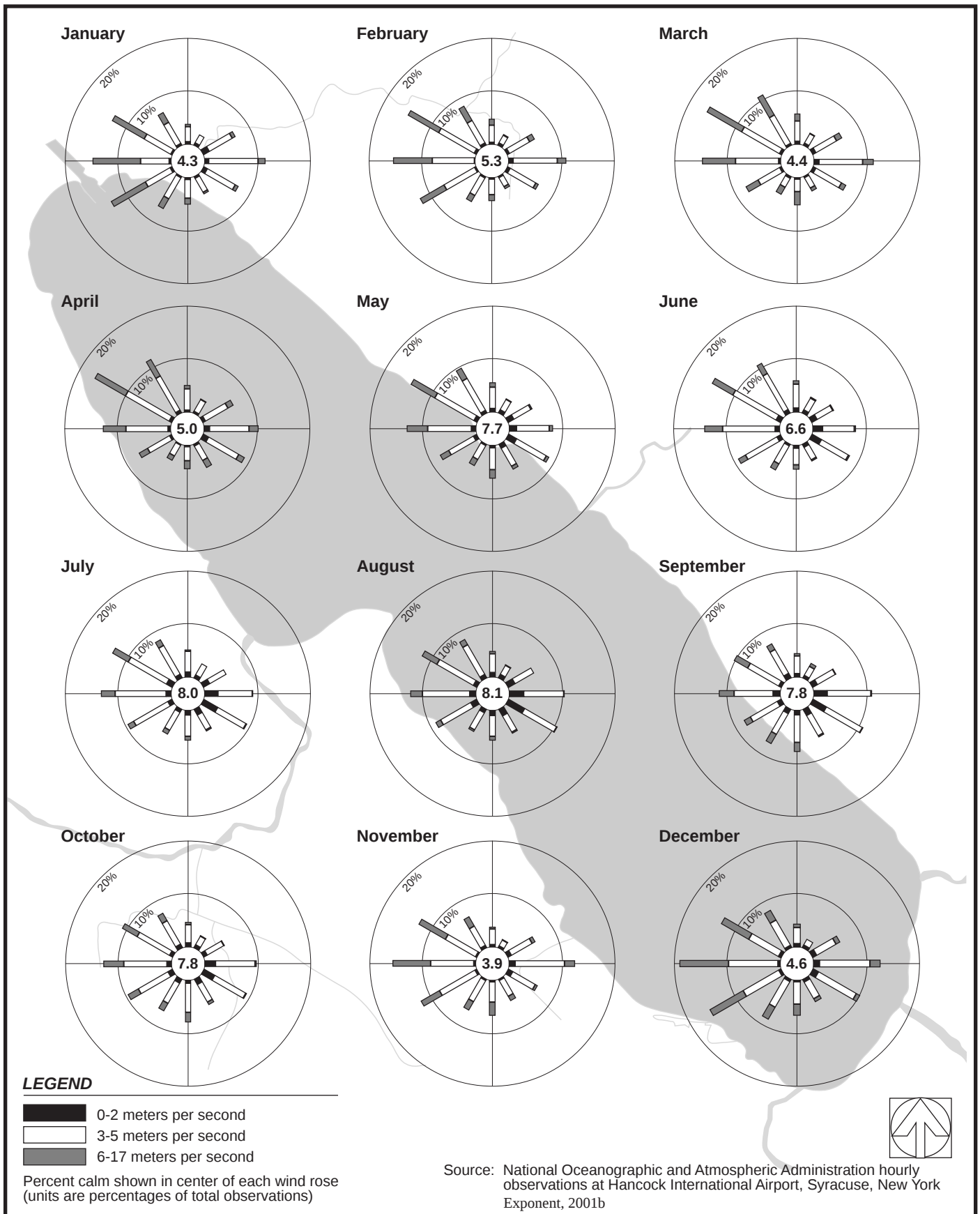
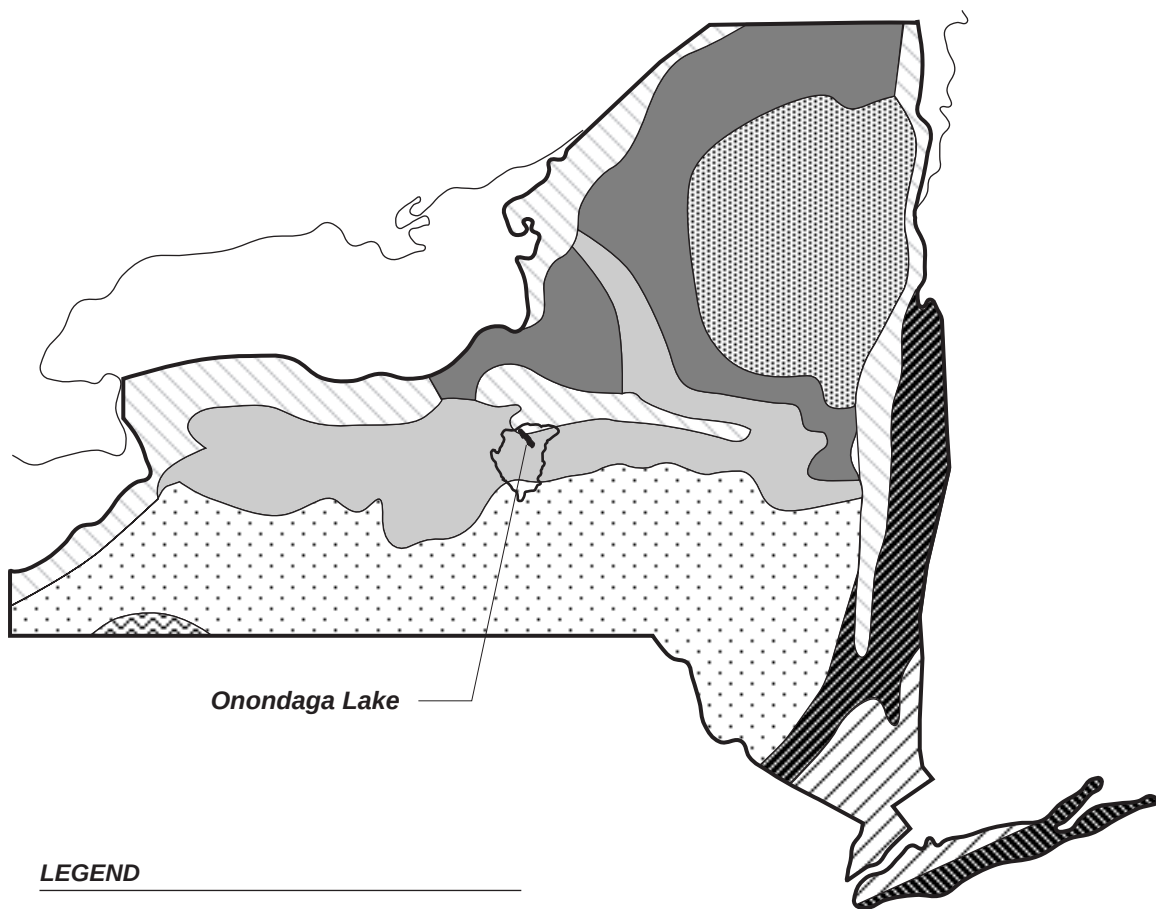


Figure 3-7. Monthly wind roses for Onondaga Lake during 1983 to 1992

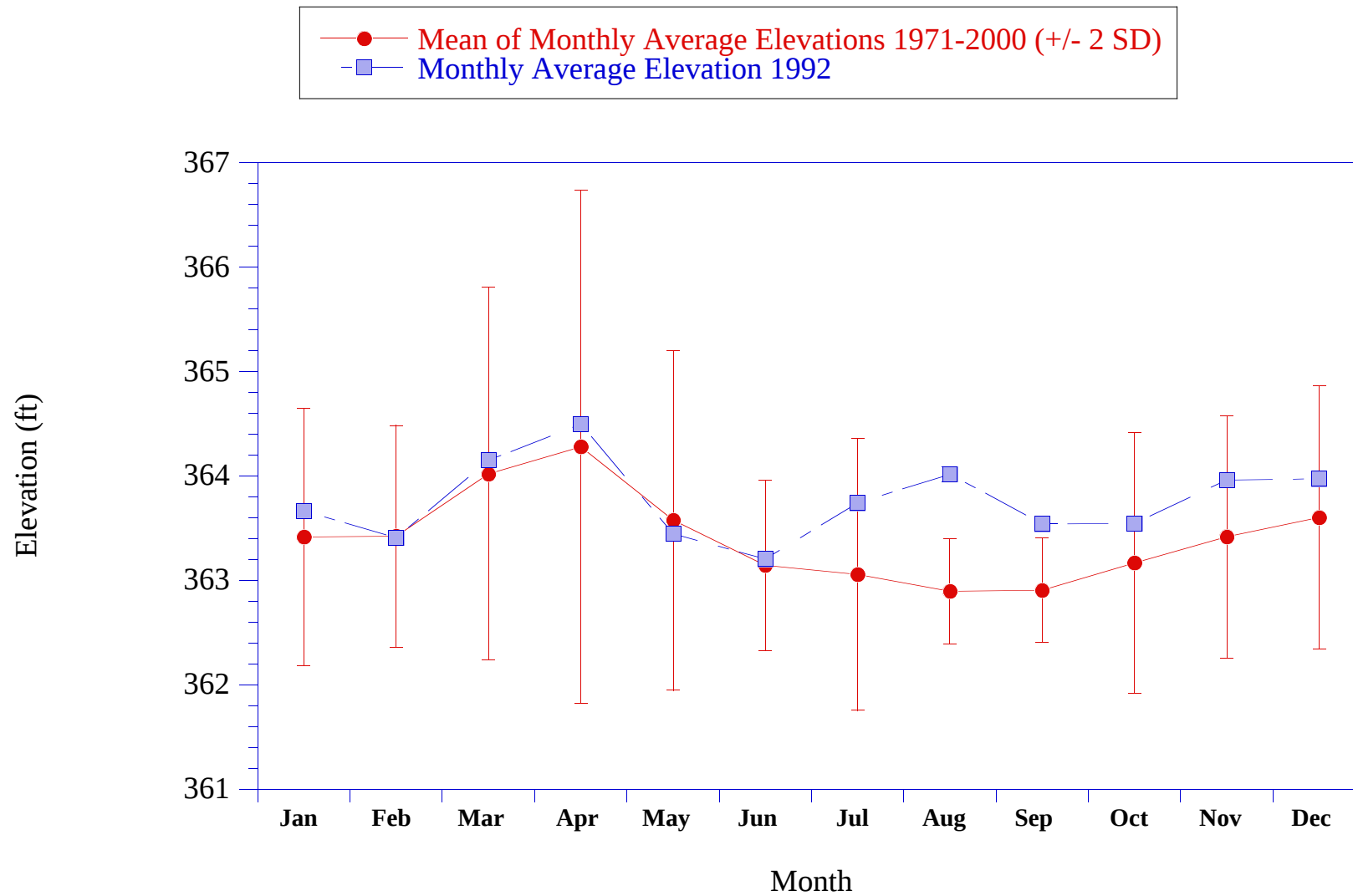


LEGEND

-  Adirondack Mountain Area
-  Adirondack Foot Hills
-  Ontario-Oneida-Champlain Lake Plain
-  Limestone Belt
-  Slate Belt
-  New England Hill Area
-  Northern Appalachian Plateau
-  Allegheny Plateau
-  Coastal Plain
-  Onondaga Lake Drainage Basin

Source: Berg (1963)
Exponent, 2001b

Figure 3-8. Physiographic regions of New York State



Reference: USGS, 2001

Figure 3-9
Monthly Average Elevations of Onondaga Lake

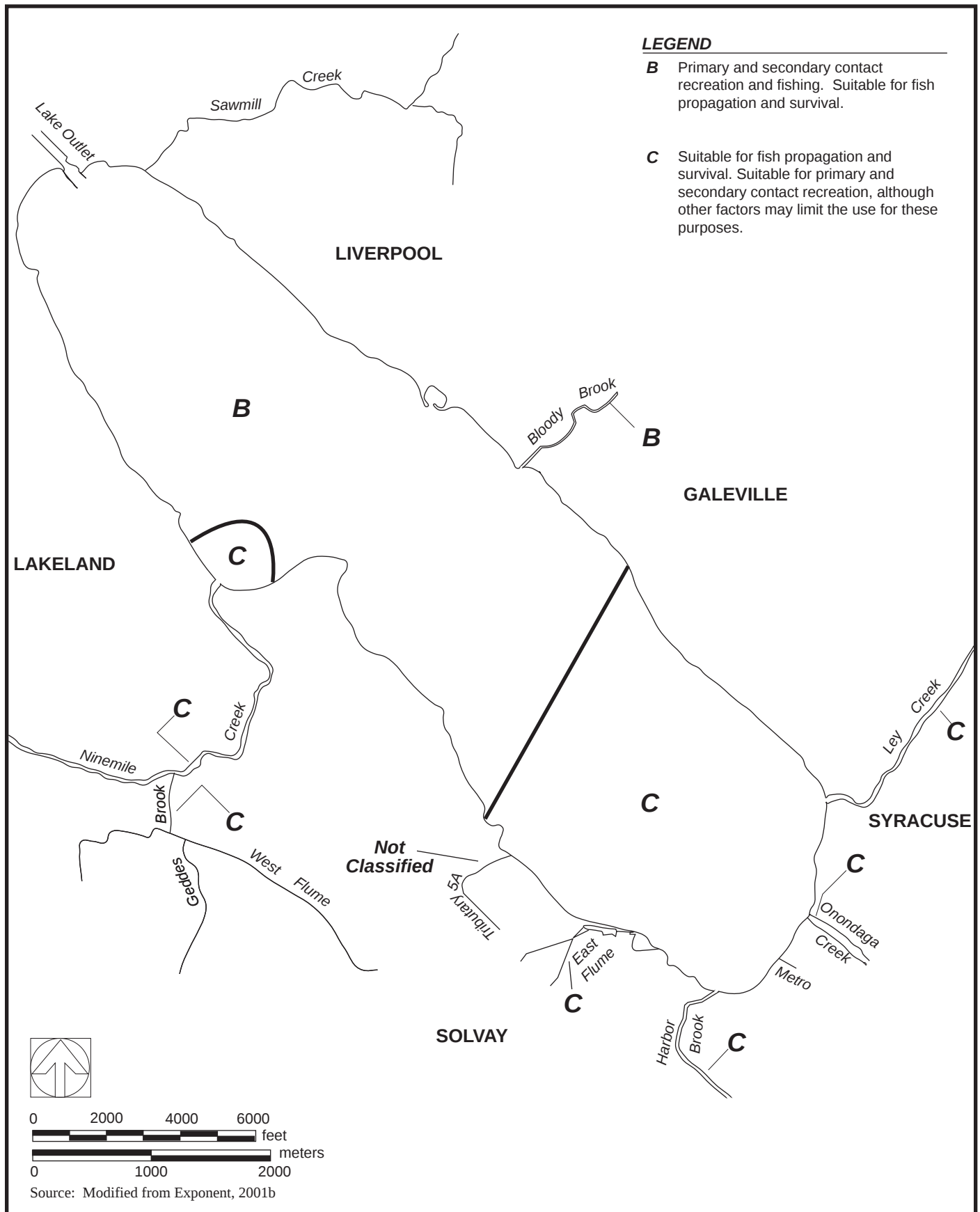
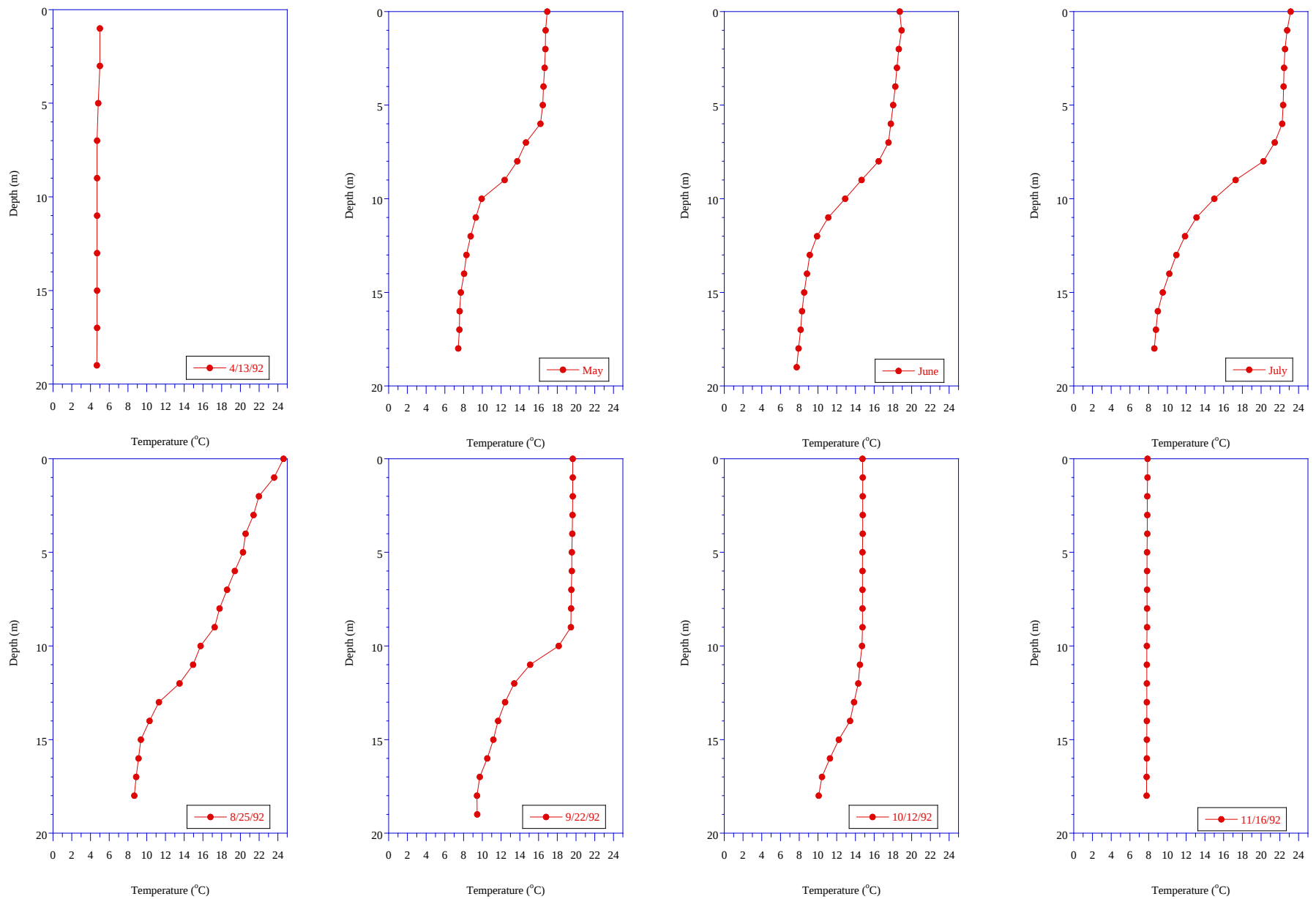


Figure 3-10. New York State Water Quality Classifications within and around Onondaga Lake



Note: The profiles shown for May, June and July are the averages for two readings within the month, therefore, specific dates are not shown.

Figure 3-11
Monthly Temperature Profiles in South Basin 1992

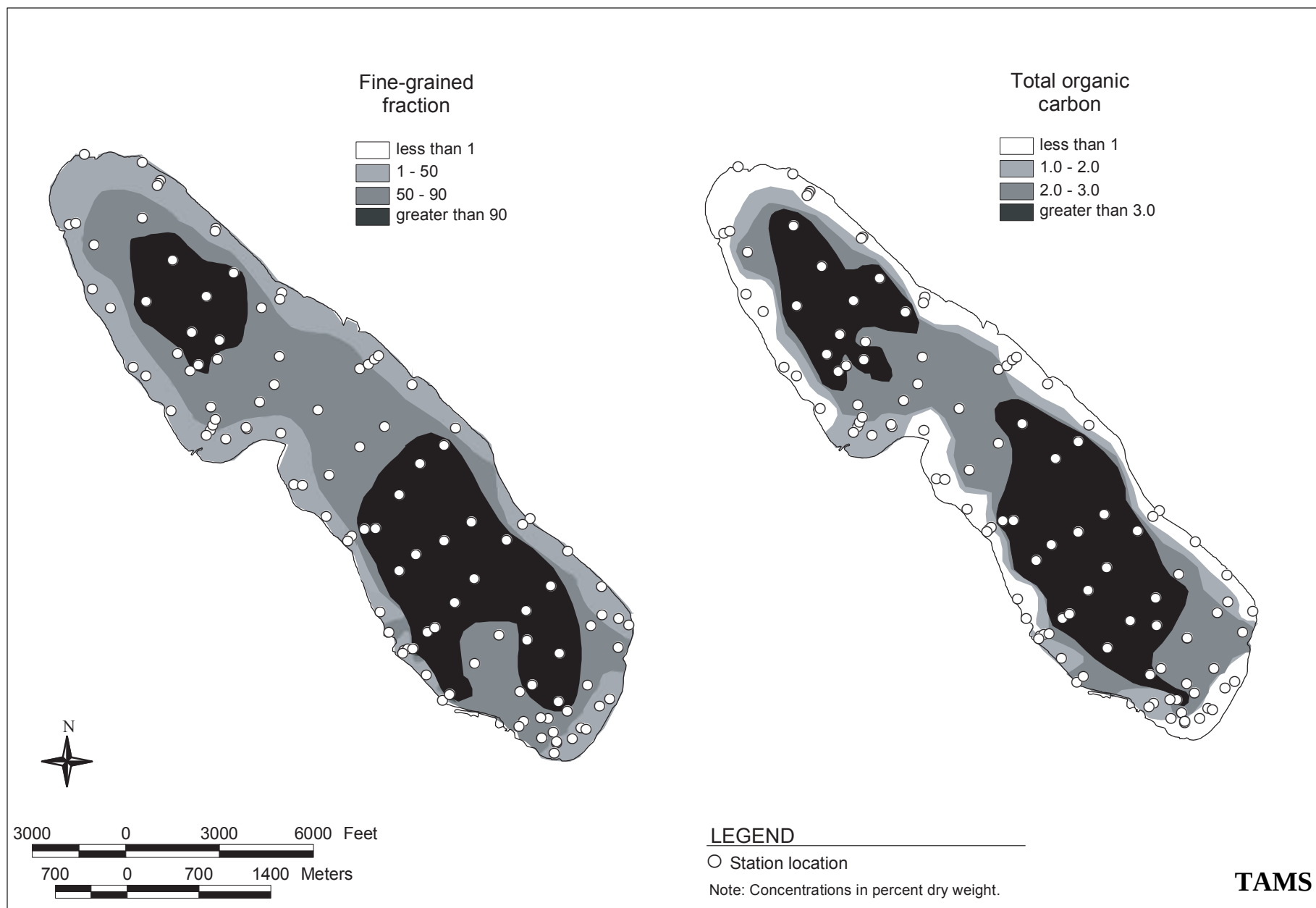
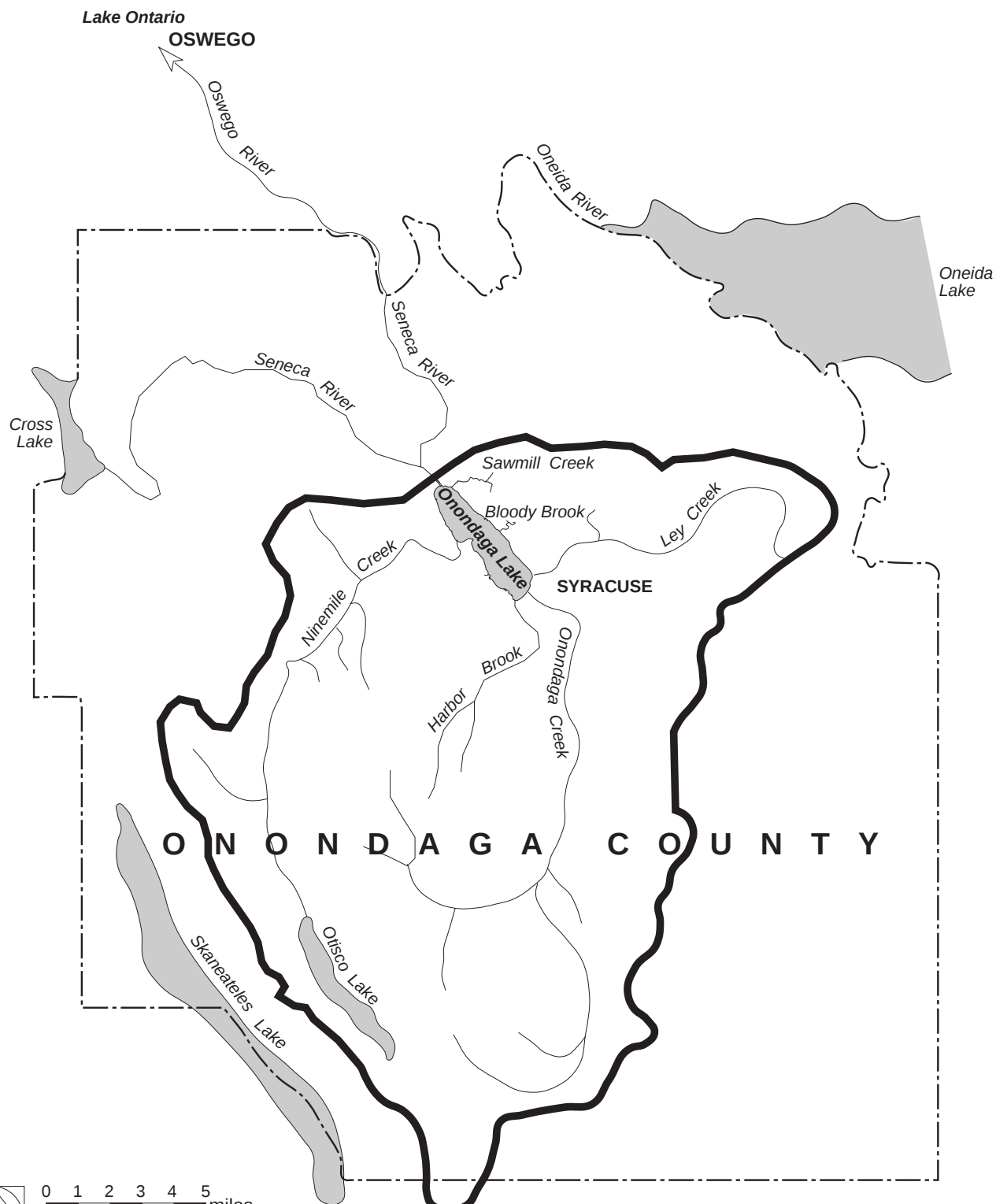


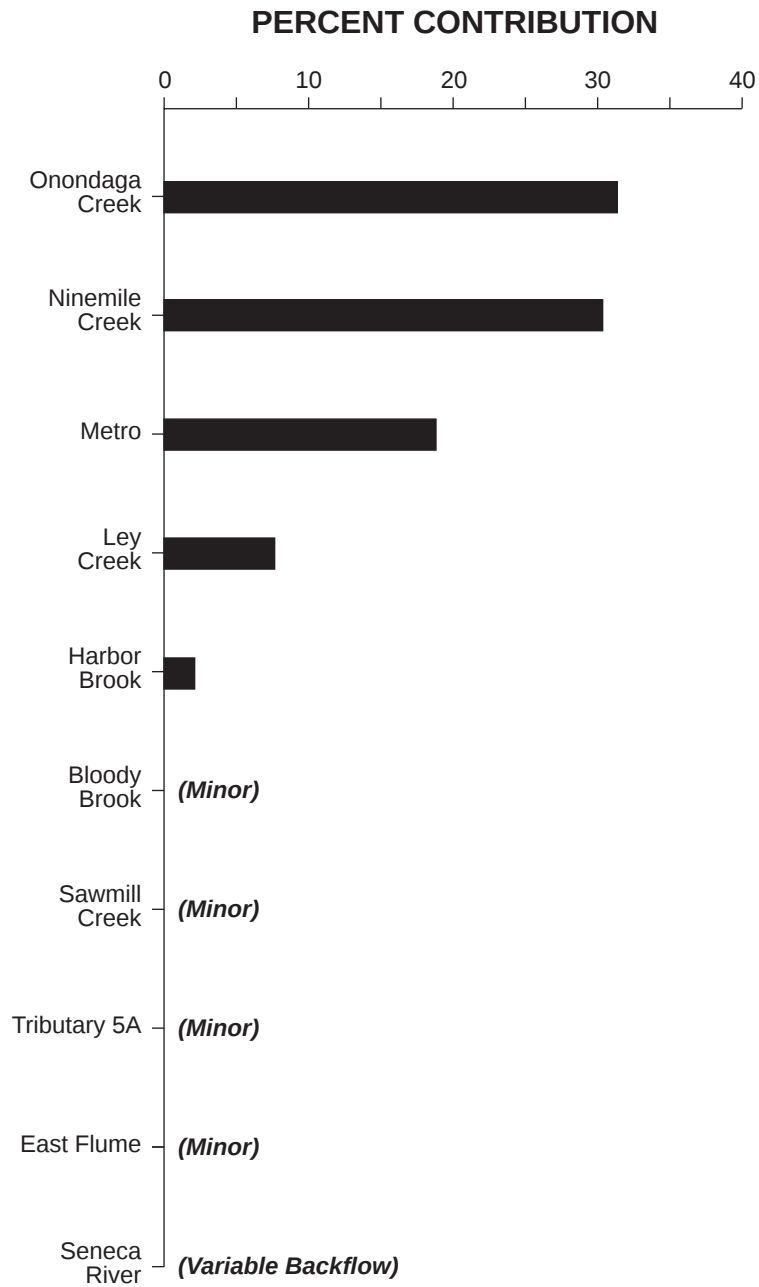
Figure 3-12. Fine-grained Fraction and Total Organic Carbon Content of Surficial Sediments of Onondaga Lake in 1992



0 1 2 3 4 5 miles
0 1 2 3 4 5 kilometers

Source: Onondaga County (1971)
Exponent, 2001b

Figure 3-13. Onondaga Lake drainage basin



Source: Effler and Whitehead (1996)
Modified from Exponent, 2001b

Figure 3-14. Relative Contribution of Tributaries and Metro to Total Inflow to Onondaga Lake from 1971 to 1989

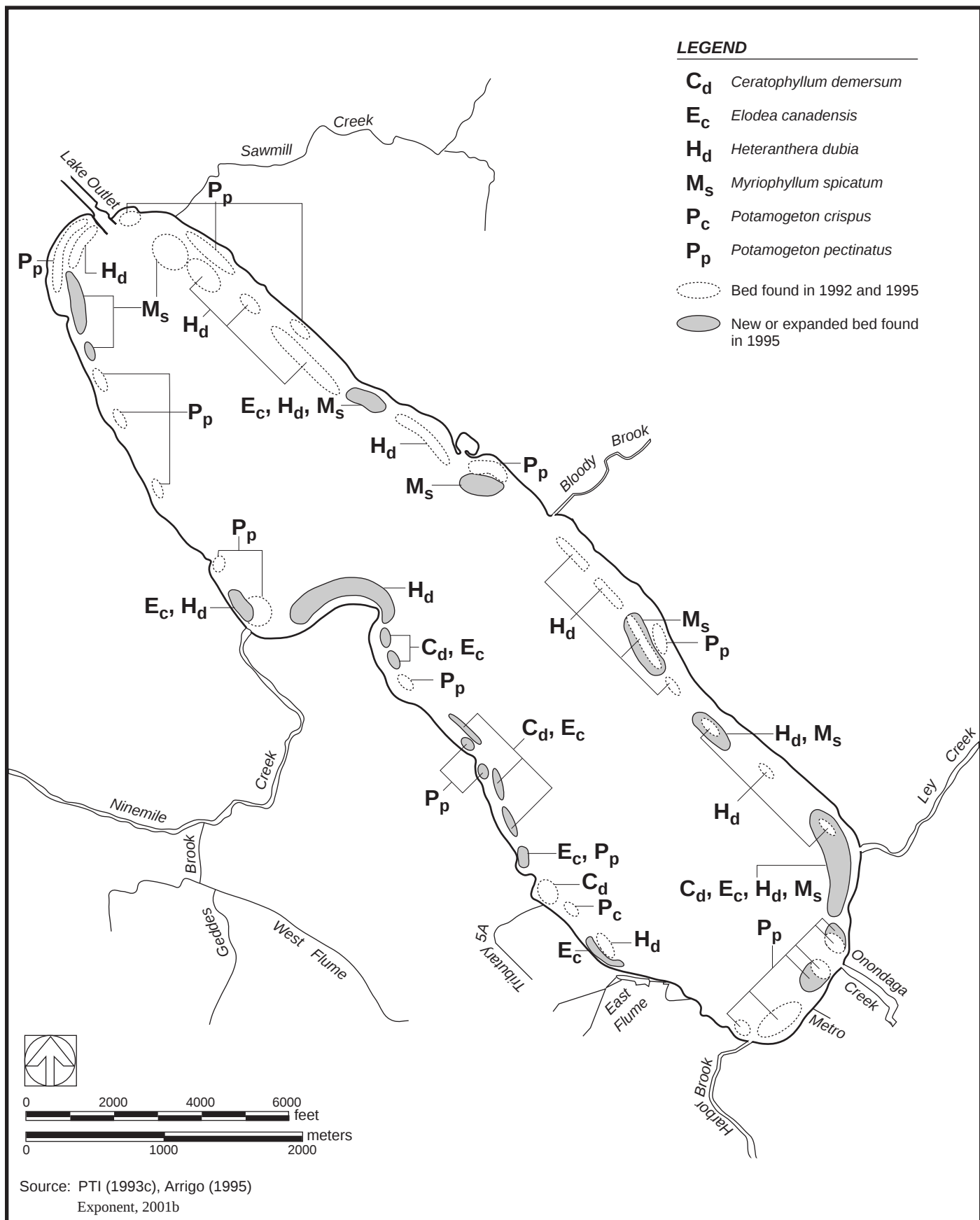


Figure 3-15. Distributions of major macrophyte beds in Onondaga Lake in 1992 and 1995