

A HISTORY OF AQUATIC PLANT DISTRIBUTION  
IN  
UPSTATE NEW YORK

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## ABSTRACT

Management of freshwater fish and wildlife requires a thorough understanding of the habitats created by the aquatic macrophyte community. Information on modern plant composition, as well as data on beneficial plants that might potentially grow in a lake, could provide direction to resource managers. Details on the historic distribution of macrophytes, when compared to modern inventories, may help document recent trends in lake ecology.

The 1990 publication, Atlas of New York State Flora, provides preliminary distributional information on aquatic macrophytes but is not site specific. Visits to four regional herbaria were used to catalog historic occurrences of 78 taxa in specific water bodies within an 18 county region of upstate New York. These historic data were compiled for each water body, then compared to recent inventories of macrophyte community composition. A need for vouchered inventories of modern aquatic macrophyte communities is apparent.

## ACKNOWLEDGMENTS

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## INTRODUCTION

New York State aquatic habitats support extremely rich and diverse macrophyte communities. In open water bodies, seasonal shifts in community dominance result from the complex interaction of individual species tolerances to changing water conditions. The aquatic plant community is also subject to long-term fluctuation brought on by natural successional tendencies. Human impacts (i.e., eutrophication, substrate modification, thermal pollution, species introductions) have produced periodic disturbances in the structure and function of the aquatic system, often with serious deleterious effects. It is ironic that these human impacts have reduced the value of aquatic habitats for nearly all human pursuits.

Floristic documentation of open water habitats in upstate New York has been incomplete. Those habitats near, or of interest to, major universities and research centers have been closely examined but at irregular intervals. The remaining water bodies have little or no floristic documentation. For some, a description of aquatic plant composition may be found, but no voucher specimens were preserved. In view of the taxonomic difficulties of several aquatic genera (i.e., *Myriophyllum*, *Potamogeton*, *Polygonum*), coupled with the seasonal and long-term changes occurring in these water bodies, an unvouchered written description must be considered deficient.

Successful restoration and management of aquatic resources in

First, aquatic macrophytes form the basis of the habitat used by most other aquatic species, whether that be for food, cover or breeding purposes. Second, some aquatic plants have narrow tolerances of environmental conditions. Their continued presence can be viewed as an indication of stability, their absence from previously known locations as a sign of rapid change. The role of aquatic plants as biological indicators of water quality should not be overlooked, especially when the alternative cost of water quality testing continues to rise. Third, historic data could provide information pinpointing the introduction of exotic plant species in certain water bodies. As most plant introductions have detrimental effects on the entire aquatic system, it may prove useful to have a chronological account of the change in macrophyte community structure. Implications may then be made about aquatic community function, of key interest to modern resource managers following an holistic approach.

## OBJECTIVES

1. To develop phytogeographical information on aquatic macrophyte distribution in upstate New York managed water bodies through the use of regional herbarium records.
2. To facilitate the comparison of historic records of plant composition to modern inventories conducted by resource managers of specific water bodies.
3. To make recommendations concerning the need for ongoing research of aquatic macrophyte community composition.

## METHODS

### Selection of taxa

Over 300 species of aquatic macrophytes occur in New York State (Mitchell 1986). While some are restricted to the warmer maritime climate of Long Island, most can be found growing in upstate New York. A representative subsample of 78 taxa was selected (Table 1). The selection was based, in part, on preliminary distribution maps provided in the Atlas of New York Flora (New York Flora Association 1990). Additionally, the list contained plants that are known to be management problems. It also included macrophytes of different growth forms. The selected aquatic plant species can be classified into the following growth form categories: submersed macrophytes, floating-leaved plants, narrow-leaved emergents and broad-leaved emergents. This growth form classification has been used by many authors, and an excellent summary is provided by Geis and Kee (1977).

### Description of water bodies

A listing of the water bodies and watersheds included in the Finger Lakes Aquatic Vegetation Control Program was provided by the Water Resources Board of the Finger Lakes Association. Eighteen counties (Figure 1) participated in the program for fiscal year 1991-1992. Collectively, over 70 water bodies and/or watersheds have received active management that includes inflake water quality monitoring, stream testing, application of best management

TABLE 1 - Aquatic macrophytes, classified on the basis of growth form, catalogued in these historic herbaria searches. Nomenclature according to Mitchell (1986).

Submersed macrophytes

<i>Bidens beckii</i>	Water marigold
<i>Callitriche heterophylla</i>	Water starwort
<i>Callitriche palustris</i>	Water starwort
<i>Ceratophyllum demersum</i>	Coontail
<i>Elodea canadensis</i>	Elodea, waterweed
<i>Heteranthera dubia</i>	Water stargrass
<i>Isoetes echinospora</i>	Quillwort
<i>Myriophyllum heterophyllum</i>	Milfoil
<i>Myriophyllum sibiricum</i>	Milfoil
<i>Myriophyllum spicatum</i>	Eurasian milfoil
<i>Myriophyllum tenellum</i>	Milfoil
<i>Myriophyllum verticillatum</i>	Milfoil
<i>Najas flexilis</i>	Slender naiad
<i>Najas guadalupensis</i>	Naiad
<i>Potamogeton amplifolius</i>	Large-leaved pondweed
<i>Potamogeton crispus</i>	Curly pondweed
<i>Potamogeton epihydrus</i>	Nuttall's pondweed
<i>Potamogeton filiformis</i>	Slender pondweed
<i>Potamogeton foliosus</i>	Leafy pondweed
<i>Potamogeton friesii</i>	Pondweed
<i>Potamogeton gramineus</i>	Pondweed
<i>Potamogeton pectinatus</i>	Sago pondweed
<i>Potamogeton perfoliatus</i>	Clasping-leaved pondweed
<i>Potamogeton praelongus</i>	White-stemmed pondweed
<i>Potamogeton pusillus</i>	Small pondweed
<i>Potamogeton richardsonii</i>	Richardson's pondweed
<i>Potamogeton robbinsii</i>	Robbin's pondweed
<i>Potamogeton spirillus</i>	Coiled pondweed
<i>Potamogeton strictifolius</i>	Pondweed
<i>Potamogeton vaginatus</i>	Pondweed
<i>Potamogeton vaseyi</i>	Vasey's pondweed
<i>Potamogeton zosteriformis</i>	Flat-stem pondweed
<i>Ranunculus flabellaris</i>	Yellow water buttercup
<i>Ranunculus longirostris</i>	Stiff water buttercup
<i>Ranunculus trichophyllum</i>	White water buttercup
<i>Utricularia intermedia</i>	Milfoil bladderwort
<i>Utricularia vulgaris</i>	Common bladderwort
<i>Vallisneria americana</i>	Eel grass
<i>Zannichellia palustris</i>	Horned pondweed

Floating-leaved plants

<i>Azolla filiculoides</i>	Water fern, mosquito fern
<i>Brasenia schreberi</i>	Water shield
<i>Hydrocotyle americana</i>	Water pennywort

TABLE 1 (continued) - Aquatic macrophytes, classified on the basis of growth form, catalogued in these historic herbaria searches. Nomenclature according to Mitchell (1986).

Floating-leaved plants (continued)

<i>Nymphaea odorata</i>	White water lily
<i>Polygonum amphibium</i>	Water smartweed
<i>Potamogeton illinoensis</i>	Shining pondweed
<i>Potamogeton natans</i>	Brown pondweed
<i>Potamogeton nodosus</i>	Pondweed
<i>Potamogeton obtusifolius</i>	Pondweed
<i>Sagittaria cuneata</i>	Floating-leaved arrowhead
<i>Spirodela polyrhiza</i>	Greater duckweed
<i>Trapa natans</i>	Water chestnut
<i>Wolffia columbiana</i>	Watermeal

Narrow-leaved emergents

<i>Butomus umbellatus</i>	Flowering rush
<i>Equisetum fluviatile</i>	Water horsetail
<i>Hippuris vulgaris</i>	Mare's tail
<i>Iris pseudoacorus</i>	Yellow flag
<i>Iris versicolor</i>	Blue flag
<i>Sagittaria graminea</i>	Arrowhead
<i>Sagittaria rigida</i>	Stiff arrowhead
<i>Scirpus fluviatilis</i>	River bulrush
<i>Scirpus tabernaemontanii</i>	Soft-stem bulrush
<i>Sparganium americanum</i>	Burreed
<i>Sparganium eurycarpum</i>	Giant burreed
<i>Typha angustifolia</i>	Narrow-leaved cattail
<i>Typha latifolia</i>	Common cattail
<i>Zizania aquatica</i>	Wild rice

Broad-leaved emergents

<i>Alisma plantago-aquatica</i>	Water plantain
<i>Calla palustris</i>	Water arum
<i>Ludwigia palustris</i>	Water purslane
<i>Lythrum salicaria</i>	Purple loosestrife
<i>Peltandra virginica</i>	Arrow arum
<i>Pontederia cordata</i>	Pickerel weed
<i>Potentilla palustris</i>	Marsh cinquefoil
<i>Sagittaria latifolia</i>	Common arrowhead

They represent several different types of water bodies: small, shallow lakes, most of the Finger Lakes, some urban streams, and reservoirs originally created to maintain water in the Erie Canal.

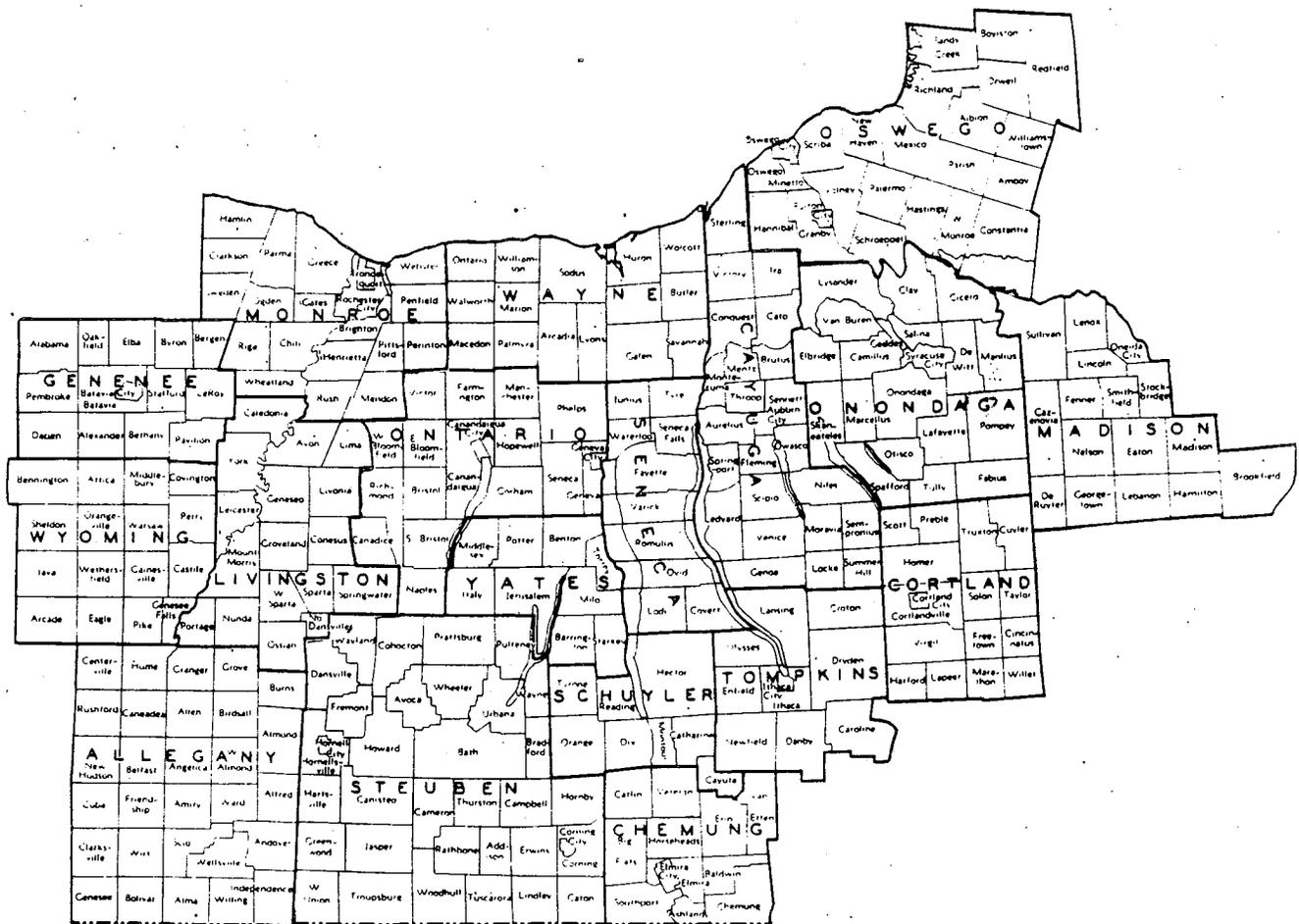


TABLE 2 - Managed water bodies within the 18 county region of the Finger Lakes Association.

<u>County</u>	<u>Water body/watershed</u>
Allegany	Cuba Lake
Cayuga	Cayuga Lake, Cross Lake, Duck Lake, Lake Como, Little Sodus Bay, Otter Lake, Owasco Lake, Sterling Pond
Chemung	Brick Pond, Catherine Creek, Cayuta Creek, Eldridge Dam, Elmira Water Reservoir, Hoffman Dam, Marsh Dam, Miller Pond, Park Station, Sullivanville Dam
Cortland	Goodale Lake, Little York Lake, Skaneateles Lake, Song Lake, Tully Lakes
Genesee	Tonawanda Creek
Livingston	Conesus Lake
Madison	Bradley Brook Reservoir, Cazenovia Lake, Craine Lake (Earlville Lake), DeRuyter Reservoir, Eaton Brook Reservoir, Gorton Lake, Hatch Lake, Lake Moraine, Lebanon Reservoir, Leland Pond, Madison Lake, Oneida Lake, Tuscarora Lake, Woodman Pond
Monroe	Irondequoit Basin
Onondaga	Beaver Lake (Mud Lake), Oneida Lake, Onondaga Lake, Otisco Lake, Tully Lakes
Ontario	Canandaigua Lake, Honeoye Lake, Seneca Lake
Oswego	Lake Neatahwanta, Oneida Lake, Ox Creek, Sandy Ponds
Schuyler	Cayuta Lake, Lamoka Lake, Hill Pond, Seneca Lake, Waneta Lake
Seneca	Cayuga Lake, Cross Lake, Seneca River, Seneca Lake
Steuben	Demmons Lake, Keuka Lake, Lake Salubria, Waneta Lake
Tompkins	Cascadilla Creek, Cayuga Inlet, Cayuga Lake, Dryden Lake, Fall Creek, Six Mile Creek
Wayne	East Bay, Port Bay, Sodus Bay
Wyoming	Cattaraugus Creek, Lake LaGrange, Oatka Creek,

## Collection of herbaria data

To gain an overview of the distributional patterns of aquatic macrophytes in upstate New York, four regional herbaria were surveyed: the New York State Museum in Albany, the Bailey Hortorium and Wiegand Collection at Cornell University in Ithaca, the herbarium at Hobart and William Smith Colleges in Geneva, and the Finger Lakes Herbarium at Finger Lakes Community College in Canandaigua. In the last case, vouchered specimens housed at the Rochester Academy of Science herbarium and viewed by the author during previous research (Gilman 1983) were included.

Because a project of this scope has not been attempted for the Finger Lakes region, as much sample information as possible was manually recorded from the herbarium label. This included the herbarium being visited, species and varietal status if provided, body of water along with specific location if provided, the year and date of collection, the collector's name and the accession number assigned by the collector. The herbarium specimens were fragile and required special handling. Even specimens that were over a century old were in surprisingly good condition (a strong compliment to the curators!). A few specimens were difficult to decipher due to pen and ink script.

## Computer analysis

All data was catalogued using Professional File 2.0 (Software Publishing Corporation 1992). The following fields were used in data entry, sorting, and preparing reports: species, water body,

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data, but often herbarium labels were incomplete. This will be  
apparent when reviewing the individual water body records contained  
in the APPENDIX of this report.

## RESULTS

### Estimated taxa viewed at herbaria

Over 12,000 herbarium sheets were reviewed at the four locations in a search for those collected from the specific water bodies of concern in this report. Most of the specimens came from disjointed historical collections that were now collectively housed at the institution. Significant gaps in collecting were apparent by the lack of specimens from certain years. Most of the collectors were males. Those collecting in groups seemed to pay more attention to specific label information, providing more valuable data to this report. The work of a casual collector was fragmentary and difficult to assess. Often the names of water bodies, and site specific locations therein, would change over time, presenting a challenge for comparative purposes.

### Specimens encountered from designated water bodies

While over 12,000 specimens were reviewed for this report, only 1,865 specimens were collected from the water bodies of interest (Table 3). Contained within the file are some duplicate records where the collector deposited a specimen at the home institution and at the New York State Museum herbarium in Albany.

TABLE 3 - Specimens encountered from designated water bodies at each herbarium.

### Herbarium Source

New York State Museum	474 records
Bailey Hortorium and Wiegand Collection	1116 records
Hobart and William Smith College	100

## Examples of individual lake data

Many comparisons of historic records to recent inventories are possible through use of the APPENDIX. The comparisons selected here as examples are: Honeoye Lake, Lamoka Lake, Onondaga Lake and Sodus Bay. The value of the comparison must be judged individually for every water body. Vouchered, historic records represent the sum of years of research at several sites, and at several times in the growing season. It is expected that historic records should approach the actual flora of the water body. Recent inventories are handicapped in several ways. Often they are undertaken only once during the summer, thereby missing seasonal changes in macrophyte community composition. Additionally, the recent surveys tend to concentrate efforts in the areas needing the most management and neglect to spend time in all of the potential habitats of the water body. Lastly, they are all too often completed by personnel lacking the taxonomic ability to identify to the species level. Unfortunately, care has not been taken to collect vouchers for documentation by experts and storage at regional herbaria.

Honeoye Lake is a small, shallow Finger Lake located in Ontario County. It is a cold monomictic basin that suffers from cultural eutrophication and lengthy summer periods of benthic anoxia. Recent macrophyte inventory work has been completed by Gilman (1985) and comparative results are presented in Table 4. This research was conducted in the late summer and fall seasons,

TABLE 4 - Comparison of historical records to recent inventories in four water bodies of upstate New York.

<u>Water Body</u>	number of species		
	<u>Historical</u>	<u>Recent Inventory</u>	<u>Additions</u>
Honeoye Lake	27	19	1
Lamoka Lake	22	15	7
Onondaga Lake	10	6	3
Sodus Bay	30	27	10

shoreline emergents (*Sagittaria rigida*, *Scirpus tabernaemontanii*, *Sparganium americanum*, and *Sparganium eurycarpum*) beyond the scope of the recent activities. Four pondweeds (*Potamogeton filiformis*, *P. illinoensis*, *P. nodosus* and *P. praelongus*) have not been recently detected. One duckweed (*Lemna minor*) has obviously been overlooked, while another duckweed (*Lemna trisulca*) has been added to the flora. Honeoye Lake represents a small group of lakes that have received adequate floristic inventory within the past decade.

Lamoka Lake is another small, eutrophic water body that has been heavily collected in the past. Unlike Honeoye Lake, however, recent inventories on Lamoka Lake have been superficial (Curatolo 1990). Several historical submersed macrophytes have not been recently reported but have a high probability of being present (*Heteranthera dubia*, *Potamogeton epihydrus*, *P. friesii*, *P. gramineus*, *P. illinoensis*, *P. natans*, *P. pusillus*, *P. zosterformis*, and *Utricularia vulgaris*). The water shield (*Brasenia schreberi*) and water horsetail (*Equisetum fluviatile*) may have become victims of shoreline development and/or water chemistry changes. Nearshore

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inventories. Interestingly, several macrophytes "new" to Lamoka Lake are indicated by these data (*Ceratophyllum demersum*, *Elodea canadensis*, *Lemna minor*, *Myriophyllum spicatum*, *Nuphar odorata*, *Potamogeton richardsonii* and *Wolffia columbiana*). It is difficult to believe that these common species might have been overlooked by the historical investigators. That leaves but one conclusion - they are recent introductions to the lake! Without exception, all seven species prefer nutrient enriched water and ameliorated substrate conditions that commonly result from watershed development.

Onondaga Lake represents a special case in the aquatic flora of New York. Although inland, the lake basin is situated in saline soils and regolith. This has produced unusual limnological conditions and an attenuated aquatic plant community documented by many individuals over the last century. The lake has been reported as the "most polluted" in North America (R. Werner, personal communication), receiving industrial discharges and municipal sewage effluent. Recent inventory work has been completed by Madsen as reported in McMullen (1992). Historically known from the lake but apparently absent now are *Najas flexilis*, *Potamogeton perfoliatus*, *Spirodela polyrhiza* and *Zannichellia palustris*. *Najas marina* was reported from the lake but was not included as one of the 78 taxa in this study. Some shoreline emergents were beyond the scope of the recent inventory (*Sagittaria rigida*, *Scirpus tabernaemontanii* and *Typha angustifolia*). Three exotics have been

function of the depauperate macrophyte community. Restoration of the macrophyte community may depend heavily on the introduction of plants previously known to grow in the lake, especially if the water quality management programs are successful in returning the lake to some former condition.

Sodus Bay is typical of many bays along the southern shore of Lake Ontario that have been inundated by the isostatic rebound of the Ontario basin. Recent inventory work has been completed by Gilman and Smith (1988). Their efforts occurred across the growing season and they concentrated on the submersed macrophyte and floating-leaved plant community. Historically documented from the bay but not detected in the recent inventory were *Alisma plantago-aquatica*, *Bidens beckii*, *Butomus umbellatus*, *Myriophyllum heterophyllum*, *Nelumbo lutea*, *Potamogeton gramineus*, *P. nodosus*, *P. perfoliatus*, *P. praelongus*, *Ranunculus trichophyllus*, *Sagittaria latifolia*, *Scirpus tabernaemontanii* and *Utricularia vulgaris*. The disappearance of the water lotus, *Nelumbo lutea*, has been ascribed to an incident of herbicide application years ago. Of the remaining species, the emergents are probably still present in the bay. The common bladderwort, *Utricularia vulgaris*, prefers stagnant water conditions and undoubtedly thrives in the southern end of the bay, an area not surveyed recently. The absence of the water marigold, a native milfoil, the four species of pondweeds and the water buttercup may be the result of competition with recent introductions (*Myriophyllum spicatum*, *Potamogeton crispus* and *Trapa*

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*Potamogeton epihydrus*, *P. natans*, *P. zosteriformis*, *Spirodela polyrhiza* and *Typha latifolia*.

Other interesting occurrences

Management problems in water bodies of upstate New York can often be traced to particular macrophyte species. Although they are a symptom of the problem, not the actual cause, the plants are often useful indicators of culturally induced changes in the aquatic system. Data on three exotic species is presented here and, hopefully, it will shed some light on the chronological impact of these introductions. The examples are purple loosestrife (*Lythrum salicaria*), Eurasian milfoil (*Myriophyllum spicatum*) and curly pondweed (*Potamogeton crispus*).

Purple loosestrife is infamous as a management problem (Malecki 1987). Introduced as seeds in ship ballast from Europe in the early nineteenth century, it established throughout the northeast by the early twentieth century. It has a cosmopolitan distribution in the United States, and is particularly abundant in the glaciated northeast where the spike-like panicles of magenta flowers are a common site along shorelines. Historic data collected from the herbarium searches is presented in Table 4. It is interesting to note that the earliest record was near Ithaca in 1893, and that very little recent collecting has occurred. Documentation of the spread of a common plant may be hindered by the relative abundance of the species. Apparently, researchers prefer to collect those species that are less common. This

TABLE 4 - Historic phytogeography of purple loosestrife (*Lythrum salicaria*).

<u>Source</u>	<u>Water Body</u>	<u>County</u>	<u>Date</u>	<u>Year</u>
BH	Cayuga Lake	Cayuga	7/25	1916
		Tompkins	7/19	1942
		Tompkins	7/20	1975
		Tompkins	7/23	1893
	Cross Lake	Cayuga	9/05	1945
	Fall Creek	Tompkins	9/03	1946
FLH	Canandaigua Lake	Ontario	9/11	1937
	Irondequoit Bay	Monroe	Aug	1979
NYS	Cayuga Lake	Tompkins	--	--
		Tompkins	7/19	1942
	Cross Lake	Tompkins	8/05	1933
		Cayuga	9/05	1945

Eurasian watermilfoil (*Myriophyllum spicatum*) is among the most troublesome submersed aquatic plants in North America (Smith and Barko 1990). The timing and location of its introduction or introductions are disputed (Couch and Nelson 1985), partly due to the taxonomic confusion with the native North American species (*Myriophyllum sibiricum* [= *Myriophyllum exalbescens*]). Historical records from the regional herbaria are found in Table 5.

TABLE 5 - Historic phytogeography of Eurasian water milfoil (*Myriophyllum spicatum*).

<u>Source</u>	<u>Water Body</u>	<u>County</u>	<u>Date</u>	<u>Year</u>
BH	Dryden Lake	Tompkins	8/05	1949
	Sodus Bay	Wayne	7/10	1960
FLH	Canandaigua Lake	--	11/6	1975
		Ontario	8/14	1971
		Yates	8/17	1975
	Honeoye Lake	Ontario	7/18	1980
		Ontario	Sept	1984
	Port Bay	Wayne	6/28	1988
	Seneca Lake	Ontario	8/12	1980

TABLE 5 (continued) - Historic phytogeography of Eurasian milfoil (*Myriophyllum spicatum*).

NYS	Canandaigua Lake	Yates	7/10	1960
	Keuka Lake	Yates	7/06	1960
	Seneca River	Seneca	7/25	1960
	Sodus Bay	Wayne	7/10	1960
		Wayne	9/12	1960

These data show Eurasian water milfoil entering upstate New York in 1949 and becoming abundant in the 1960's, a pattern observed elsewhere (Smith and Barko 1990).

Curly pondweed (*Potamogeton crispus*) is another Old World introduction and has been known in North America for over 160 years. Due to its early phenology, curly pondweed becomes a nuisance to lake users during the late spring and early summer. Reproduction is by vegetative propagules known as turions, which may lay dormant in the substrate for several seasons. The herbarium records for this species are presented in Table 6.

TABLE 6 - Historic phytogeography of curly pondweed (*Potamogeton crispus*).

<u>Source</u>	<u>Water Body</u>	<u>County</u>	<u>Date</u>	<u>Year</u>	
BH	Cayuga Lake	--	--	1878	
		--	8/01	1896	
		--	8/08	1927	
		Cayuga	7/02	1892	
		Seneca	7/19	1913	
		Seneca	8/05	1893	
		Tompkins	7/08	1919	
		Tompkins	8/07	1915	
		Tompkins	8/16	1915	
		Tompkins	9/02	1917	
		Tompkins	9/13	1933	

TABLE 6 (continued)- Historic phytogeography of curly pondweed (*Potamogeton crispus*).

	Lamoka Lake	Schuyler	7/14	1937
	North Sandy Pond	Oswego	8/06	1939
	Otisco Lake	Onondaga	7/17	1936
	Seneca Lake	--	8/16	1884
		Schuyler	9/06	1927
	Silver Lake	Wyoming	8/25	1926
	Waneta Lake	Schuyler	7/12	1934
FLH	Canandaigua Lake	Ontario	June	1979
		Yates	June	1979
	Honeoye Lake	Ontario	Oct	1984
		Ontario	Sept	1984
	Seneca Lake	Ontario	June	1979
HH	Seneca Lake	--	9/04	1930
NYS	Cayuga Lake	Tompkins	7/16	1881
	Cayuta Lake	Schuyler	9/27	1941
	Conesus Lake	Livingston	--	--
	Cuba Lake	Allegany	7/13	1937
	Dryden Lake	Tompkins	10/08	1938
	Keuka Lake	Steuben	7/22	1941
		Yates	--	--
	Lake Moraine	Madison	8/23	1937
	Lamoka Lake	Schuyler	7/14	1937
	Sandy Pond	Oswego	7/14	1940
	Seneca Lake	--	--	--
		Schuyler	9/06	1937

Curly pondweed was first collected in 1878 and has become a major element of the macrophyte community in many upstate New York water bodies.

Several reknown collectors were included in this research. Numerous specimens were taken by New York State botanists Homer D. House, Stanley J. Smith and Richard S. Mitchell. Neil Hotchkiss, author of Common Marsh, Underwater and Floating Plants of the United States and Canada, contributed to the data. Harvard botanist and editor of Gray's Manual of Botany, Merritt L. Fernald, and W. C. Muenchinger, author of Aquatic Plants of the United States

specimens were collected by Asa Gray from the eastern Finger Lakes area.

## DISCUSSION

### Comparison of recent inventories to historic records

While only four comparisons of recent inventories to historic records have been discussed in this report, the availability of data in the APPENDIX makes more comparisons possible and painless. It is anticipated that managers of water bodies will take advantage of the data provided here, and establish a renewed interest in future inventories. As more data, both historic and recent, becomes available, the preliminary data base can be expanded by sharing information with the author of this report.

### Need for ongoing macrophyte inventories

Sporadic episodes of collecting aquatic macrophytes typifies the historic record uncovered in this report. Unfortunately, recent research has not matched the quality of the historic work. Without searching for the reasons, it is imperative that more time, effort and expertise be directed to updating the knowledge of the present distributions of aquatic macrophytes in the Finger Lakes region of upstate New York. Aquatic macrophyte inventory should be included as a basic monitoring strategy in all holistic lake management/watershed management programs. Additionally, the incorporation of plant sampling into the Citizen's Statewide Lake Assessment Program (CSLAP) should be strongly pursued as outlined by Madsen and Bloomfield (1991).

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APPENDIX

Summary of time effort with work description

1. Based on tasks to complete project

a. initial project planning	4 hours
b. herbarium visits	
New York State Museum	55 hours
Bailey Hortorium (Cornell)	86 hours
Hobart College	5 hours
Finger Lakes Community College	13 hours
c. data entry to computer file	67 hours
d. file maintenance and sorting	12 hours
e. report preparation	<u>52 hours</u>
	TOTAL 294 hours

2. Based on personnel completing project

a. project director	139 hours
b. Water Resources Board staff	38 hours
c. Ontario County Vegetation Management staff	9 hours
d. Finger Lakes Community College students	<u>108 hours</u>
	TOTAL 294 hours

\* \* \* \* \*

In-kind Service Information

Transportation to herbaria provided by Community College  
 New York State Museum, 1 trip @ 521 miles  
 Bailey Hortorium (Cornell), 4 trips @ 164 miles each  
 Hobart College, 1 trip @ 34 miles  
 Two nights lodging at Albany provided by DEC personnel  
 Office space, computer services, telephone and printing  
 provided by Community College  
 Personnel from Water Resources Board, Ontario County  
 and college students

Individual water body records

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER	
Beaver Lake	<i>Alisma plantago-aquatica</i>	near mud pond	Onondaga	NYS	ME Faust & NM Sadler	7/29	1942	3363	
	<i>Peltandra virginica</i>	Baldwinsville	Onondaga	NYS	HD House	6/27	1916	A-6136	
Big Tully Lake	<i>Potamogeton friesii</i>	--	--	BH	WC Muenscher & OF Curtis Jr.	8/27	1935	4870	
Canandaigua Lake	<i>Callitriche heterophylla</i>	outlet	Ontario	FLH	BA Gilman	6/23	1980	--	
	<i>Ceratophyllum demersum</i>	Inlet	Yates	FLH	TJ Durand	7/14	1894	--	
		West River	Yates	FLH	D Stack	9/29	1975	--	
		West River	Yates	FLH	SW Eaton	8/17	1975	--	
	<i>Elodea canadensis</i>	Inlet	Yates	FLH	TJ Durand	7/14	1894	--	
		West River	Yates	FLH	D Stack	9/29	1975	--	
		West River	Yates	FLH	D Stack	9/29	1975	--	
		West River	Yates	FLH	SW Eaton	8/17	1975	--	
		Woodville	Ontario	HH	EH Eaton	8/27	1930	E182	
	<i>Heteranthera dubia</i>	--	--	--	FLH	TJ Durand	8/31	1894	--
		Inlet	Yates	FLH	BA Gilman	Aug	1979	--	
		west shore	Ontario	FLH	SW Eaton	8/17	1975	--	
		Woodville	Ontario	FLH	HD Hammond	8/04	1971	--	
		Woodville	Ontario	HH	EH Eaton	8/13	1930	--	
	<i>Iris pseudoacorus</i>	outlet	Ontario	FLH	BA Gilman	June	1979	--	
	outlet of Glen	Ontario	FLH	B Nixon	Aug	1979	--		
	Woodville Boat Launch	Ontario	FLH	BA Gilman	June	1979	--		
<i>Iris versicolor</i>	--	--	--	FLH	TJ Durand	June	1891	--	
<i>Lemna minor</i>	West River	Yates	FLH	D Stack	9/29	1975	--		
<i>Lemna trisulca</i>	--	--	--	FLH	TJ Durand	Sept	1892	--	
	Woodville	Ontario	HH	EH Eaton	7/19	1932	E188		
<i>Ludwigia palustris</i>	outlet	Ontario	FLH	BA Gilman	11/9	1981	--		
<i>Lythrum salicaria</i>	south end	Ontario	FLH	BA Gilman	Aug	1979	--		
<i>Myriophyllum spicatum</i>	--	--	--	FLH	D Stack	11/6	1975	--	
	--	Yates	NYS	RA Ulrich	7/10	1960	--		
	south end	Ontario	FLH	HD Hammond	8/14	1971	--		
	West River	Yates	FLH	SW Eaton	8/17	1975	--		
<i>Nuphar lutea</i>	south end	Ontario	FLH	HD Hammond	8/14	1971	--		
	West River	Yates	FLH	D Stack	9/29	1975	--		
	Woodville	Ontario	HH	EH Eaton	8/12	1932	E309		
<i>Nymphaea odorata</i>	--	--	Ontario	FLH	BA Gilman	July	1979	--	
	south end	Ontario	FLH	HD Hammond	8/14	1971	--		
	West River	Ontario	HH	EH Eaton	8/23	1930	E307		
	Woodville	Ontario	HH	EH Eaton	8/12	1932	E306		
	Woodville	Ontario	HH	EH Eaton	8/12	1932	E308		
<i>Peltandra virginica</i>	--	--	Yates	FLH	B Nixon	July	1979	--	
	--	--	Yates	FLH	BA Gilman	July	1980	--	
	--	--	Yates	FLH	HD Hammond	8/14	1971	--	
	Naples Creek	Ontario	HH	EH Eaton	7/19	1932	E187		
<i>Polygonum amphibium</i>	--	--	--	FLH	TJ Durand	8/31	1893	--	
	--	--	--	FLH	TJ Durand	8/31	1894	--	
<i>Pontederia cordata</i>	--	--	Yates	FLH	BA Gilman	June	1979	--	

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Canandaigua Lake (continued)	Pontederia cordata (continued)	inlet	Yates	FLH	TJ Durand	8/28	1893	--
		Woodville	Ontario	HH	EH Eaton	8/12	1932	E194
	Potamogeton amplifolius	--	--	HH	EH Eaton	8/28	1930	--
		boathouses	Ontario	HH	EH Eaton	8/20	1930	E119
		Vine Valley	Yates	HH	EH Eaton	8/15	1930	--
		West River	Yates	FLH	SW Eaton	8/17	1975	--
		Woodville	Ontario	HH	EH Eaton	8/13	1930	--
		Woodville	Ontario	HH	EH Eaton	Aug	1927	--
	Potamogeton crispus	--	Ontario	FLH	BA Gilman	June	1979	--
		--	Yates	FLH	BA Gilman	June	1979	--
	Potamogeton epihydrus	West River	Yates	FLH	SW Eaton	8/17	1975	--
		West River	Yates	HH	EH Eaton	8/20	1930	--
		Woodville	Ontario	HH	EH Eaton	7/19	1932	E131
		Woodville	Ontario	HH	EH Eaton	8/13	1930	E134
		Woodville	Ontario	HH	EH Eaton	Aug	1927	E133
	Potamogeton foliosus	head of lake	Yates	HH	EH Eaton	8/28	1930	E138
	Potamogeton friesii	Seneca Point Cove	Ontario	HH	EH Eaton	8/05	1930	E139
		Woodville	Ontario	HH	EH Eaton	7/19	1932	--
		Woodville	Ontario	HH	EH Eaton	8/13	1930	E140
	Potamogeton gramineus	--	--	HH	EH Eaton	8/28	1930	--
		Black Point	Ontario	HH	EH Eaton	7/22	1932	--
		Seneca Point Cove	Ontario	HH	EH Eaton	8/16	1930	E143
		Vine Valley	Yates	HH	EH Eaton	7/21	1932	E141
		Vine Valley	Yates	HH	EH Eaton	8/15	1930	E142
		Vine Valley	Yates	HH	EH Eaton	July	1932	--
		Woodville	Ontario	HH	EH Eaton	8/13	1930	E142
	Potamogeton illinoensis	--	--	HH	EH Eaton	8/01	1927	--
		Seneca Point Cove	Ontario	HH	EH Eaton	8/05	1930	E165
		Vine Valley	Yates	HH	EH Eaton	7/21	1931	E147
		Vine Valley	Yates	HH	EH Eaton	7/27	1927	E164
	Potamogeton natans	outlet	Ontario	FLH	BA Gilman	8/20	1980	--
		outlet	Ontario	FLH	BA Gilman	June	1980	--
		Vine Valley	Yates	HH	EH Eaton	8/27	1927	--
		West River	Ontario	HH	EH Eaton	8/13	1930	E150
		Woodville	Ontario	BH	T Morong	8/19	1884	--
		Woodville	Ontario	HH	EH Eaton	8/12	1932	E148
	Potamogeton nodosus	--	--	HH	EH Eaton	8/28	1930	--
		Black Point	Ontario	HH	EH Eaton	8/28	1930	E117
		Woodville	Ontario	HH	EH Eaton	8/12	1932	--
		Woodville	Ontario	HH	EH Eaton	Aug	1927	--
		Woodvillent	Ontario	HH	EH Eaton	8/13	1930	E118
	Potamogeton obtusifolius	Vine Valley	Yates	HH	EH Eaton	7/21	1931	E151
		Woodville	Ontario	HH	EH Eaton	7/19	1932	--
	Potamogeton pectinatus	--	--	FLH	WA Matthews	7/26	1923	--
		Black Point	Ontario	HH	EH Eaton	7/22	1932	E 137
		Eaton Camp	Ontario	HH	EH Eaton	8/05	1930	E 135
		Vine Valley	Yates	HH	EH Eaton	7/21	1932	--
						8/20	1930	--

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Canandaigua Lake (continued)	Potamogeton perfoliatus	--	--	FLH	WS Phillips	8/07	1932	--
		Vine Valley	Yates	HH	EH Eaton	7/21	1932	--
		Woodville	Ontario	HH	EH Eaton	7/28	1930	--
	Potamogeton praelongus	inlet	Yates	FLH	TJ Durand	7/14	1894	--
		Middlesex	--	BH	RT Clausen & LJ Keyer	10/15	1939	4529
		Woodville	Ontario	HH	EH Eaton	7/19	1932	E 160
		Woodville	Ontario	HH	EH Eaton	7/28	1930	--
		Woodville	Ontario	HH	EH Eaton	8/12	1932	--
	Potamogeton pusillus	Seneca Point Cove	Ontario	HH	EH Eaton	8/05	1930	E 161
		Vine Valley	Yates	HH	EH Eaton	7/27	1927	--
		Woodville	Ontario	HH	EH Eaton	7/19	1932	E 163
		Woodville	Ontario	HH	EH Eaton	8/12	1927	E 152
		Woodville	Ontario	HH	EH Eaton	8/12	1932	E 162
	Potamogeton richardsonii	Cottage City	Ontario	FLH	WA Matthews	7/26	1923	--
		summer station	Ontario	FLH	SW Eaton	8/17	1975	--
	Potamogeton robbinsii	Woodville	Ontario	HH	EH Eaton	8/12	1932	E167
	Potamogeton vaginatus	Woodville	Ontario	HH	EH Eaton	8/06	1930	E 169
		Woodville	Ontario	HH	EH Eaton	8/12	1932	E170
		Woodville	Ontario	HH	EH Eaton	8/13	1930	--
		Woodville	Ontario	HH	EH Eaton	Aug	1927	--
	Potamogeton zosteriformis	inlet	Yates	FLH	TJ Durand	7/14	--	--
		Seneca Point Cove	Ontario	HH	EH Eaton	8/05	1930	--
		Vine Valley	Yates	HH	EH Eaton	7/27	1927	E124
		West River	Yates	FLH	D Stack	9/29	1975	--
		Woodville	Ontario	HH	EH Eaton	7/19	1932	--
		Woodville	Ontario	HH	EH Eaton	7/28	1930	E125
		Woodville	Ontario	HH	EH Eaton	8/06	1930	E126
	Ranunculus flabellaris	--	--	FLH	TJ Durand	6/10	1891	--
		West River	Yates	FLH	D Stack	10/19	1975	--
	Ranunculus longirostris	Woodville	Ontario	FLH	HD Hammond	8/14	1971	--
	Sagittaria latifolia	--	Ontario	FLH	BA Gilman	June	1979	--
		--	Ontario	FLH	JZ Edson	6/09	1924	--
		inlet	Yates	FLH	B Nixon	8/14	1979	--
		inlet	Yates	FLH	B Nixon	July	1979	--
		inlet	Yates	FLH	TJ Durand	8/28	1893	--
	Sagittaria rigida	inlet	Yates	FLH	JZ Edson	6/09	1931	--
		inlet	Yates	FLH	TJ Durand	8/28	1893	--
		south end	Ontario	FLH	WA Matthews	9/06	1931	--
		Woodville	Ontario	FLH	HD Hammond	8/14	1971	--
	Scripus tabernaemontanii	--	Ontario	BH	EC Webster	7/31	1910	--
		--	Ontario	BH	EC Webster	8/02	1910	--
	Sparganium americanum	inlet	Yates	HH	EH Eaton	8/12	1932	E 169
		north end	Ontario	FLH	TJ Durand	7/10	1891	--
	Typha augustifolia	south end	Ontario	FLH	HD Hammond	8/14	1971	--
	Utricularia vulgaris	West River	Yates	FLH	D Stack	9/29	1975	--
	Vallisneria americana	--	--	FLH	TJ Durand	8/17	1893	--
		foot of lake	--	HH	EH Eaton	8/28	1930	E 184
		south end	Ontario	FLH	HD Hammond	8/14	1971	--
	Wolffia columbiana	inlet	Yates	BH	RT Clausen & LJ Keyer	10/08	1939	4522

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Canandaigua Lake	Zizania aquatica	West River Swamp	Yates	HH	EH Eaton	8/09	1926	E 364
(continued)	(continued)	Woodville	Ontario	HH	EH Eaton	8/30	1930	E 362
Cascadilla Creek	Iris pseudoacorus	Dwyer's Pond	Tompkins	BH	MW Allen	6/22	1936	19374
	Lemna minor	Ellis Hollow	Tompkins	NYS	W Lassiter	5/21	1922	183
	Potamogeton foliosus	--	--	BH	KM Wiegand	8/03	1896	--
Catherine Creek	Ceratophyllum demersum	--	Chemung	NYS	H Axtell	8/16	1946	2855
	Potamogeton friesii	Red Jacket swamp	Chemung	BH	SJ Smith, HP DeForest and RH	8/04	1940	1647
Cayuga Lake	Alisma plantago-aquatica	--	Cayuga	BH	WR Dudley	7/27	1886	--
		--	Seneca	BH	C Atwood	9/24	1919	--
		--	Tompkins	NYS	RT Clausen	8/08	1942	5887
		inlet	Tompkins	BH	AJ Eames & LH MacDaniels	8/03	1915	3477
		inlet	Tompkins	BH	WR Dudley	8/06	1875	971
		inlet swamp	Tompkins	BH	LH Bailey	9/11	1917	--
		shores	Tompkins	BH	WC Muenscher	9/19	1932	17683
		west of inlet	Tompkins	BH	EL Palmer	7/25	1913	70
		west of inlet	Tompkins	BH	RT Clausen	8/08	1942	5887
	Azolla caroliniana	--	--	NYS	WR Dudley	--	--	--
		--	Tompkins	NYS	WR Dudley	10/15	1879	--
	Bidens beckii	Cayuga Bridge	Cayuga	NYS	WC Muenscher & PR Burkholder	8/15	1927	17055
		east side	Schuyler	BH	OL Justice & GHM Lawrence	8/06	1939	546
		south end	Cayuga	BH	--	9/26	1886	502
		south of Cayuga Bridge	Cayuga	BH	WC Muenscher & PR Burkholder	8/15	1927	17055
	Butonus umbellatus	--	Tompkins	BH	WC Muenscher	6/25	1936	--
		--	Tompkins	BH	WC Muenscher & BI Coleman	10/16	1943	20960
		inlet	Tompkins	BH	WC Muenscher & WT Winne	8/29	1941	20308
		inlet	Tompkins	BH	WJ Dress	8/05	1947	45
		Ithaca tributary	Tompkins	BH	PA Munz	7/31	1945	17251
	Callitriche heterophylla	inlet marsh in Ithaca	Tompkins	NYS	FC Curtice	7/24	1878	--
	Callitriche palustris	Fall Creek	Tompkins	BH	AJ Eames	6/21	1915	4499
		Myers Point	Tompkins	BH	AJ Eames	8/21	1918	10241
		Taughannock Point	Tompkins	BH	WC Muenscher	7/08	1920	--
		Taughannock Ravine, outlet to lake	Tompkins	NYS	WC Muenscher	7/08	1920	--
	Ceratophyllum demersum	--	--	BH	WR Dudley	Oct	1874	--
		--	Seneca	BH	KM Wiegand	7/19	1913	471
		--	Seneca	BH	LH MacDaniels & HA Severy	8/07	1915	4048
		marshes	Seneca	BH	--	Aug	1914	2283
		north end	Seneca	BH	EL Palmer	7/19	1913	471a
	Elodea canadensis	--	--	HH	EH Eaton	7/13	1930	E183
		bay near Union Springs	--	BH	ML Fernald	8/21	1922	14548
		Fall Creek	Tompkins	BH	AR Bechtel	7/04	1920	13364
		Fall Creek	Tompkins	BH	KM Wiegand	7/20	1920	13361
		inlet marsh	Tompkins	BH	--	8/09	1875	865
		north end at Cayuga Bridge	--	BH	--	8/17	1895	--
		northeast	Seneca	BH	EL Palmer & AJ Eames	7/19	1913	72
		Renwick	Tompkins	BH	AJ Eames & KM Wiegand	8/18	1920	13356
		south end	Tompkins	BH	AJ Eames & KM Wiegand	8/18	1920	13353
		south end	Tompkins	BH	AJ Eames & KM Wiegand	8/18	1920	13353a
		south end	Tompkins	BH	R Hitchcock & AR Bechtel	7/18	1919	11218

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Cayuga Lake (continued)	Elodea canadensis	southwest	Tompkins	BH	KM Wiegand & CC Thomas	8/34	1914	1533
	(continued)	Union Springs	Cayuga	NYS	MS Baxter	8/06	1918	--
	Equisetum fluviatile	Fall Creek Marsh	Tompkins	BH	AR Bechtel	5/22	1916	5420
		inlet marsh	Tompkins	BH	HH Wing	5/18	1880	--
		swamp at corner of lake	Tompkins	NYS	CS Sheldon	5/18	1880	--
	Heteranthera dubia	--	Cayuga	BH	MC Wiegand & G Garb	8/08	1914	1957
		--	Seneca	BH	EL Palmer	7/19	1913	267
		--	Seneca	BH	KM Wiegand & MC Wiegand	7/19	1913	266
		--	Tompkins	BH	--	8/30	1845	937
		--	Tompkins	BH	FP Metcalf & KM Wiegand	9/30	1916	6136
		--	Tompkins	BH	KM Wiegand & AR Bechtel	9/19	1917	7818
		--	Tompkins	BH	WC Muenscher & RT Clausen	9/13	1933	358
		Canoga marsh	Seneca	BH	AJ Eames & KM Wiegand	8/07	1918	9556
		inlet	Tompkins	BH	WC Muenscher	8/08	1927	16929
		inlet	Tompkins	BH	WC Muenscher & AR Bechtel	8/28	1920	623
	Hydrocotyle americana	Fall Creek, Ithaca	Tompkins	BH	--	7/17	1875	345
		Taughannock Ravine	Tompkins	BH	LF Randolph	8/12	1918	--
		Taughannock Ravine, outlet to lake	Tompkins	NYS	LF Randolph	8/12	1918	--
		Union Springs	Cayuga	BH	WW Rowlee	--	--	--
	Iris pseudoacorus	--	Tompkins	BH	VA Moore	6/62	1885	--
		lake marsh	Tompkins	BH	KM Wiegand	6/6/	1895	--
		marsh	Seneca	BH	WC Muenscher & OL Justice	9/22	1938	19851
		marsh	Tompkins	BH	--	6/08	1877	--
		marsh	Tompkins	BH	WC Muenscher	9/24	1932	17769
		Renwick Flats	Tompkins	BH	CC Thomas	6/14	1914	2021
		Renwick Flats	Tompkins	BH	CC Thomas	6/15	1914	2022
		swampy ground in Ithaca	Tompkins	BH	LH MacDaniels	6/14	1915	3799
	Iris versicolor	marsh	--	BH	WR Dudley	5/31	1889	--
		Renwick flats	Tompkins	BH	CC Thomas	6/16	1915	3796
	Lemna minor	--	Tompkins	BH	PP Metcalf	6/12	1917	7815
		--	Tompkins	BH	KM Wiegand	7/19	1895	--
		Ithaca Flats	Tompkins	BH	AR Bechtel	5/22	1916	6126
		Ithaca Inlet marsh	Tompkins	BH	--	7/10	1876	968
		Renwick Flats	Tompkins	BH	LH Bailey & AR Bechtel	5/44	1919	--
		Renwick Flats	Tompkins	BH	WC Muenscher & AR Bechtel	7/14	1920	547
		Union Springs	Cayuga	BH	WJ Beal	--	1859	--
	Lemna trisulca	--	--	HH	EH Eaton	9/30	1930	E190
		--	Cayuga	BH	MC Wiegand & G Garb	8/08	1914	1954
		--	Cayuga	BH	WW Rowlee	8/05	1893	--
		--	Seneca	BH	WC Muenscher & PR Burkholder	8/15	1927	16927
		Renwick Flats	Tompkins	BH	WC Muenscher & AR Bechtel	9/05	1922	784
		Union Springs	--	BH	--	10/10	1874	967
	Ludwigia palustris	--	Tompkins	BH	BI Brown	9/24	1913	845
		Fall Creek Valley near Dryden	Tompkins	BH	AJ Eames	9/03	1915	4622
		head	Tompkins	BH	WC Muenscher	10/31	1935	18948
		Ithaca marshes	Tompkins	BH	--	Aug	1875	334
	Lythrum salicaria	--	Tompkins	NYS	RT Clausen & ER Clausen	7/19	1942	5869
		--	Tompkins	NYS	W Phillips	8/05	1892	210

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Cayuga Lake (continued)	<i>Lythrum salicaria</i> (continued)	west of inlet	Tompkins	BH	KM Wiegand	7/20	1975	--
	<i>Myriophyllum heterophyllum</i>	Union Springs	Cayuga	BH	--	Oct	1875	324
	<i>Myriophyllum sibiricum</i>	--	--	BH	HB Brown	7/25	1908	--
		--	--	BH	LH Bailey	10/24	1901	--
		--	--	HH	EH Eaton	9/03	1930	--
		--	--	NYS	CH Peck	Aug	--	--
		--	Seneca	BH	KM Wiegand	8/07	1915	4638
		--	Tompkins	BH	WC Muenscher & AR Bechtel	7/31	1920	461, 462
		Cayuga Bridge	--	BH	KM Wiegand	8/05	1893	--
		Cayuga Bridge	--	BH	WC Muenscher	8/15	1927	--
		Fall Creek	--	BH	AJ Eames & KM Wiegand	8/18	1920	13748
		inlet	Tompkins	BH	R Hitchcock & AR Bechtel	7/18	1919	12619
		north end	Cayuga	BH	G Garb & MC Wiegand	8/08	1914	2929
		north end	Seneca	BH	WC Muenscher, BI Brown & VM Lefler	9/09	1944	21595
		south end	Tompkins	BH	AR Bechtel & H Ruckes	7/18	1919	12619
		south end	Tompkins	BH	R Hitchcock	7/18	1917	--
		Springport	Cayuga	BH	--	Oct	1875	--
		Taughanock Point	Tompkins	BH	EL Palmer & KM Wiegand	7/22	1913	866
	<i>Myriophyllum verticillatum</i>	Fall Creek	Tompkins	BH	DF Hoy	8/15	1893	--
		Fall Creek bayou	Tompkins	BH	KM Wiegand	9/01	1884	--
		Myers Point	Tompkins	BH	AJ Eames	9/21	1918	10512
		south end	Tompkins	BH	KM Wiegand	Sept	1878	323
		Springport	Cayuga	BH	--	Oct	1874	--
	<i>Najas flexilis</i>	--	--	BH	--	Aug	1875	--
		--	--	BH	--	Oct	1874	--
		--	--	BH	WR Dudley	8/06	1875	--
		--	--	NYS	CH Peck	--	--	--
		--	Tompkins	NYS	FC Curtice	7/16	1881	--
		Canoga marshes	Seneca	BH	AJ Eames	8/07	1918	9114
		Canoga marshes	Seneca	BH	SS Chase	8/24	1941	NY-8
		Canoga marshes	Seneca	BH	SS Chase	9/01	1942	NY-69
		Farley Point	Cayuga	BH	RT Clausen & WC Muenscher	9/25	1936	2382
		Farley Point	Cayuga	BH	SS Chase	9/15	1942	NY-64-a
		Farleys Point	Cayuga	BH	SS Chase	9/01	1942	NY-64-b
		north end	--	BH	WR Dudley	10/03	1880	--
		off Canoga marshes	Seneca	BH	RT Clausen & WC Muenscher	9/25	1936	2377
		south end	Tompkins	BH	KM Wiegand & AR Bechtel	9/19	1917	7480
	<i>Najas guadelupensis</i>	--	Seneca	BH	RT Clausen & WC Muenscher	9/25	1936	5491
		--	Seneca	BH	SS Chase	9/01	1942	68
		--	Seneca	BH	WC Muenscher & OL Justice	9/22	1938	--
	<i>Nelumbo lutea</i>	--	Cayuga	BH	AJ Eames	8/30	1925	16128
		--	Cayuga	BH	DeWolf	--	--	IX-30-55
		--	Cayuga	BH	WC Muenscher & PR Burkholder	8/31	1927	16955
		--	Cayuga	BH	WC Muenscher & VM Lefler	8/02	1933	18324
		Corr's Cove	Cayuga	BH	WJ Dress & Flowers	8/29	1984	13510a & b
	<i>Nuphar lutea</i>	--	Seneca	BH	MN Josselyn	6/22	1971	--

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Cayuga Lake (continued)	<i>Nymphaea odorata</i>	Cayuga Bridge	Cayuga	BH	--	7/15	1876	--
	<i>Peltandra virginica</i>	Fall Creek	Cayuga	BH	LF Randolph & KM Wiegand	5/14	1919	11718
		marsh	Tompkins	BH	LH MacDaniels	7/17	1915	3666
		marsh	Tompkins	BH	WC Muenscher	9/19	1932	17756
		marsh at Ithaca	Tompkins	BH	--	--	--	963
		Renwick marsh	Tompkins	BH	--	10/04	1920	--
		Renwick marsh	Tompkins	BH	WC Muenscher & AR Bechtel	7/01	1920	146
		Renwick marshy flats	Tompkins	BH	RM Schuster	9/23	1943	20801
	<i>Pontederia cordata</i>	--	--	BH	--	7/20	1875	936
		Fall Creek	Tompkins	BH	AJ Eames	8/21	1916	6135
		Fall Creek	Tompkins	BH	WR Dudley	7/01	1884	--
		Renwick Flats	Tompkins	BH	WC Muenscher & AR Bechtel	7/17	1920	408
		Renwick Park	Tompkins	BH	CC Thomas	7/21	1916	6134
		Renwick, near inlet	Tompkins	BH	AR Bechtel & H Ruckes	July	1919	11725
		west of Renwick Park	Tompkins	BH	EL Palmer	8/25	1913	264
	<i>Potamogeton amplifolius</i>	--	--	BH	WR Dudley	9/23	1874	--
		--	Schuyler	BH	--	Aug	1884	--
		Cayuga Bridge	Seneca	BH	KM Wiegand & MC Wiegand	7/19	1913	41
	<i>Potamogeton crispus</i>	--	Tompkins	NYS	FC Curtice	7/16	1881	--
		Cayuga Bridge	Seneca	BH	KM Wiegand	8/05	1893	--
		Cayuga Bridge	Seneca	BH	KM Wiegand & MC Wiegand	7/19	1913	51
		Fall Creek	Tompkins	BH	WC Muenscher & RT Clausen	9/13	1933	197
		inlet, Renwick creek	Tompkins	BH	R Jones	9/02	1917	7470
		Renwick Flats	Tompkins	BH	KM Wiegand	7/08	1919	11182
		Renwick Park	Tompkins	BH	LH MacDaniels	8/16	1915	3468
		south end	--	BH	--	--	1878	--
		southern	--	BH	WC Muenscher & GE Douglas	8/08	1927	16847
		southwest corner	--	BH	WW Rowlee & KM Wiegand	8/01	1896	--
		southwest corner	Tompkins	BH	AJ Eames	8/07	1915	3467
		Union Springs	Cayuga	BH	--	7/02	1892	--
	<i>Potamogeton epihydrus</i>	--	Tompkins	BH	--	8/17	1878	-
		Caroline Depot	Tompkins	BH	AJ Eames & KM Wiegand	7/24	1918	9098
		Fall Creek	Tompkins	BH	--	7/12	1886	--
		inlet	Tompkins	BH	R Hitchcock	8/20	1919	11166
		mouth of Fall Creek	Tompkins	BH	R Jones	9/23	1917	7461
		mouth of Fall Creek	Tompkins	BH	WC Muenscher & RT Clausen	9/13	1933	18244
	<i>Potamogeton epirillus</i>	--	Tompkins	BH	LJ Sweetland	Aug	1897	--
	<i>Potamogeton filiformis</i>	Big Gully Point, Ledyard	--	BH	AJ Eames	7/31	1918	9107
		Howland Point, Springport	--	BH	AJ Eames	7/31	1918	9108
		Howland Point, Springport	--	BH	AJ Eames & A Gershoy	6/19	1918	9109
		Kidders to Sheldrake	Seneca	NYS	AJ Eames & KM Wiegand	7/27	1919	11187
		Myers Point	--	BH	R Jones & W Hoffman	8/05	1917	7475
		Myers Point	--	BH	WW Rowlee	8/05	1897	--
		North Springs, Springport	--	BH	AJ Eames & KM Wiegand	8/41	1919	11188
		south of Myers Point	--	BH	WC Muenscher & PR Burkholder	8/30	1927	16850
		Union Springs	Cayuga	NYS	RT Clausen	9/26	1948	7335
	<i>Potamogeton foliosus</i>	--	Tompkins	BH	FL Kilborne	6/10	1880	--
		Cayuga marshes	Cayuga	BH	AJ Eames	8/08	1914	1506

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Cayuga Lake (continued)	Potamogeton friesii	--	--	NYS	CH Peck	Aug	--	--
		Lansing off Portland Point outlet to North Spring south end southwest	-- -- -- Tompkins --	BH BH BH NYS BH	WC Muenscher WC Muenscher & W Tressler WC Muenscher & PR Burkholder WC Muenscher & W Tressler WR Dudley	Aug 8/13 -- 8/13 Aug	-- 1927 1927 1927 1875	-- 16856 16860 16855 16860 --
	Potamogeton gramineus	--	Tompkins	BH	KM Wiegand	7/28	1923	14994
		Aurora Bay	Cayuga	BH	WC Muenscher & PR Burkholder	8/31	1927	16864
		bay north of Farley's Point	--	BH	WC Muenscher & PR Burkholder	8/31	1927	16866
		east side marshes at Aurelius	--	BH	AJ Eames	8/08	1914	1498
		Ledyard	--	BH	AJ Eames	7/31	1918	9099
		Myers Point	Tompkins	BH	R Jones & W Hoffman	8/05	1917	7464
		northwest of Cayuga Bridge	Cayuga	BH	WC Muenscher & PR Burkholder	8/31	1927	16865
		outlet	Cayuga	BH	AJ Eames & KM Wiegand	8/03	1919	11174
		south shore	Tompkins	BH	WC Muenscher & AR Bechtel	7/17	1920	434
		southeast	Tompkins	BH	--	Aug	1875	--
	Potamogeton illinoensis	--	--	NYS	CH Peck	--	--	--
		--	Cayuga	BH	AJ Eames	8/08	1914	1493
		--	Cayuga	NYS	RT Clausen	9/26	1948	7333
		Cayuga Bridge	Cayuga	BH	EL Palmer	7/19	1913	43
		Cayuga Bridge	Cayuga	BH	WC Muenscher	8/15	1927	16826
		Cayuga Bridge	Cayuga	BH	WW Rowlee	8/05	1893	--
		Crowbar Point	Tompkins	BH	WC Muenscher & PR Burkholder	9/01	1927	16823
		Fall Creek	Tompkins	BH	--	8/09	1884	--
		Fall Creek	Tompkins	BH	--	8/10	1885	--
		Renwick Park	Tompkins	BH	R Hitchcock	8/20	1919	11175a
		south end	Tompkins	BH	AJ Eames	8/13	1936	19285
		south end	Tompkins	BH	WR Dudley	July	1875	--
		Springport	Cayuga	BH	AJ Eames & KM Wiegand	8/14	1919	11176
		Union Springs	Cayuga	BH	RT Clausen	9/26	1948	7333
		Union Springs	Cayuga	BH	WC Muenscher & PR Burkholder	8/31	1927	16827
	Potamogeton natans	--	Tompkins	BH	LH Bailey	10/24	1915	--
		northeast	Cayuga	BH	WW Rowlee & KM Wiegand	8/17	1895	--
		Renwick Bay	Tompkins	BH	R Hitchcock & AR Bechtel	7/18	1919	-
		southeast	Tompkins	BH	--	10/07	1874	--
		southeast	Tompkins	BH	--	July	1875	--
		southwest	Tompkins	BH	EL Palmer	7/25	1913	--
	Potamogeton nodosus	--	--	NYS	CH Peck	--	--	--
		--	Tompkins	BH	R Hitchcock	7/25	1919	--
		--	Tompkins	BH	R Hitchcock	8/20	1919	--
		Canoga marshes	Seneca	BH	LF Randolph & KM Wiegand	8/07	1918	9094
		Cascadilla Creek	Tompkins	BH	R Jones	9/19	1917	7458
		Cascadilla Creek	Tompkins	BH	R Jones	9/19	1917	7459
		Cayuga Bridge	Cayuga	BH	KM Wiegand	8/05	1893	--
		Cayuga Bridge	Seneca	BH	WC Muenscher & PR Burkholder	8/15	1927	16819
		Fall Creek	Tompkins	BH	AJ Eames & CC Thomas	8/09	1915	3459
		Fall Creek	Tompkins	BH	WC Muenscher	9/19	1932	17665
		Fall Creek	Tompkins	BH	WC Muenscher & RT Clausen	9/13	1933	194

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Cayuga Lake	Potamogeton nodosus	Ithaca	Tompkins	BH R Jones		7/26	1917	7460
(continued)	(continued)	Ithaca Flats	Tompkins	BH R Hitchcock		June	1919	--
		north end	Seneca	BH AJ Eames		8/07	1915	3460
		Renwick Park	Tompkins	BH KM Wiegand		9/27	1918	9096
		Renwick Park	Tompkins	BH R Hitchcock		8/20	1919	11167
		Renwick Park	Tompkins	BH R Hitchcock		8/20	1919	11168
		Renwick swamp	Tompkins	BH R Hitchcock		7/25	1919	--
		south end	Tompkins	BH R Hitchcock & AR Bechtel		7/18	1919	11168
		south end	Tompkins	BH WC Muenscher & AR Bechtel		9/17	1920	433
		Union Springs	Cayuga	BH KM Wiegand & AJ Eames		9/21	1918	9095
	Potamogeton obtusifolius	inlet	Tompkins	BH WC Muenscher		7/16	1932	17672
		Six Mile Creek	Tompkins	BH VM Lefler		7/11	1934	18455
		Union Springs	Cayuga	BH LH Bailey		7/02	1892	--
	Potamogeton pectinatus	--	Cayuga	BH RT Clausen		9/26	1948	7336
		--	Seneca	BH EL Palmer		7/19	1913	58
		--	Seneca	BH KM Wiegand & MC Wiegand		7/19	1913	59
		--	Tompkins	BH WR Dudley		8/18	1880	--
		--	Tompkins	BH WW Rowlee & KM Wiegand		8/01	1896	--
	Potamogeton pectinatus	Canoga marshes	Seneca	BH WC Muenscher & PR Burkholder		9/01	1927	16876
		east shore	Tompkins	BH WC Muenscher & PR Burkholder		8/30	1927	16871
		Fall Creek	Tompkins	BH WR Dudley		7/12	1886	--
		Howland Point	Cayuga	BH AJ Eames		7/31	1918	9105
		Howland Point	Cayuga	NYS RT Clausen		9/26	1948	7336
		inlet marsh, Ithaca swamp	Tompkins	NYS FC Curtice		7/16	1881	--
		Myers Point	Tompkins	BH R Jones		8/05	1917	7476
		Myers Point	Tompkins	BH WC Muenscher & PR Burkholder		8/30	1927	16873
		Myers Point	Tompkins	NYS R Jones and W Hoffman		8/17	1917	7479
		Myers Point	Tompkins	NYS WC Muenscher & PR Burkholder		8/30	1927	--
		north	Cayuga	BH FP Metcalf		8/08	1914	1511
		northeast	Seneca	BH AJ Eames & KM Wiegand		8/07	1918	9104
		Portland Point	Tompkins	NYS RT Clausen		7/16	1960	--
		Renwick	Tompkins	BH R Hitchcock & AR Bechtel		7/18	1919	11190
		south end	Tompkins	BH E Moore		7/16	1914	1507
		south end	Tompkins	BH WR Dudley		Sept	1894	--
		southeast	Tompkins	BH E Moore		8/06	1914	1509
		southeast	Tompkins	BH RT Clausen		7/16	1960	--
		southeast	Tompkins	BH WC Muenscher & AR Bechtel		7/01	1920	49
		southeast	Tompkins	BH WC Muenscher & GE Douglas		8/08	1927	16874
		southeast	Tompkins	BH WR Dudley		10/	1876	--
		southeast	Tompkins	BH WR Dudley		8/06	1875	--
		southeast	Tompkins	BH WR Dudley		Aug	1875	--
		southeast	Tompkins	BH WW Rowlee		8/05	1893	--
	Potamogeton perfoliatus	--	Cayuga	BH WC Muenscher & PR Burkholder		8/15	1927	16833
		Cayuga marshes	Seneca	BH AJ Eames & KM Wiegand		8/07	1918	9102
		Myers Point	--	BH --		8/13	1884	--
		Renwick	Tompkins	BH R Jones		9/09	1917	7469
	Potamogeton praelongus	--	Tompkins	BH WR Dudley		8/29	1884	--
		south end	--	BH WR Dudley		July	1875	--

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER	
Cayuga Lake (continued)	Potamogeton pusillus (continued)	Myers Point	Tompkins	BH	WC Muenscher & PR Burkholder	8/30	1927	16879	
		Myers Point	Tompkins	NYS	AJ Eames & WC Muenscher	7/29	1932	17673	
		North Spring outlet	Cayuga	BH	AJ Eames	8/30	1925	16039	
		northwest corner	Tompkins	BH	AJ Eames & WC Muenscher	7/29	1933	18258	
		off Remington salt works	Tompkins	BH	WC Muenscher & W Tressler	8/13	1927	16884	
		Renwick boathouse	Tompkins	BH	WC Muenscher & PR Burkholder	8/08	1927	16880	
		shore at Ithaca	Tompkins	BH	KM Wiegand	7/28	1923	14995	
		Potamogeton richardsonii	--	Tompkins	BH	--	6/10	1880	--
		--	--	Tompkins	NYS	A Schulze	7/31	1940	7
		--	--	Tompkins	NYS	WC Muenscher & PR Burkholder	8/30	1927	16885
	between McKinneys & Estys Points		Tompkins	BH	RT Clausen	7/16	1960	--	
	Canoga marshes		Seneca	BH	AJ Eames & KM Wiegand	8/07	1918	9100	
	Cayuga Bridge		Cayuga	BH	AJ Eames	8/08	1914	1500	
	Cayuga Bridge		Cayuga	BH	KM Wiegand	8/05	1893	--	
	Cayuga Bridge		Seneca	BH	KM Wiegand & MC Wiegand	7/19	1913	46	
	Cayuga marshes		Cayuga	BH	MC Wiegand & G Garb	8/08	1914	1501	
	Fall Creek		Tompkins	BH	EM Cipperly	8/09	1904	--	
	Farleys Point		Cayuga	BH	WC Muenscher & PR Burkholder	8/31	1927	16894	
	mouth of Fall Creek		Tompkins	BH	WR Dudley	8/19	1878	--	
	Myers Point		Tompkins	BH	R Jones & W Hoffman	8/05	1917	7467	
	north end		Seneca	BH	EL Palmer	7/19	1913	47	
	north of McKinneys		Tompkins	BH	AJ Eames	8/13	1936	19284	
	north of Myers Point		Tompkins	BH	WC Muenscher & PR Burkholder	8/30	1927	16885	
	North Springs		Cayuga	BH	AJ Eames & KM Wiegand	8/04	1919	11179	
	Renwick		Tompkins	BH	WC Muenscher & GE Douglas	8/08	1927	16886	
	Renwick		Tompkins	BH	WW Rowlee & KM Wiegand	8/01	1896	--	
	Renwick Park		Tompkins	BH	R Hitchcock	8/20	1919	11180	
	Renwick Park		Tompkins	BH	R Jones	9/09	1917	7466	
	Renwick Park		Tompkins	BH	R Jones	9/09	1917	7468	
	Sheldrake Point		Seneca	BH	WC Muenscher & PR Burkholder	9/01	1927	16887	
	south end		Tompkins	BH	WC Muenscher & AR Bechtel	7/31	1920	459	
	southwest corner		Tompkins	BH	WC Muenscher	7/16	1931	17558	
	Potamogeton robbinsii	--	--	BH	WR Dudley	Aug	1875	--	
	--	--	--	HH	EH Eaton	8/03	1930	E166	
	--	--	--	HH	EH Eaton	9/08	1932	E168	
	--	--	Seneca	BH	WC Muenscher	8/15	1927	16900	
	Canoga marshes		Seneca	BH	WC Muenscher & PR Burkholder	9/01	1927	16898	
	Cayuga Bridge		Cayuga	BH	WC Muenscher	8/15	1927	16899	
	Cayuga Bridge		Cayuga	BH	WW Rowlee & KM Wiegand	8/17	1895	--	
	Farleys Point		Cayuga	BH	WC Muenscher & PR Burkholder	8/31	1927	16896	
	near Cayuga Park		Seneca	NYS	WC Muenscher	8/15	1927	16900	
	Potamogeton strictifolius	Farleys Point	Cayuga	NYS	ML Fernald & KM Wiegand	8/21	1922	14536	
	Potamogeton vaginatus	--	Tompkins	NYS	WC Muenscher & RT Clausen	9/13	1933	--	
		at Ithaca	Tompkins	BH	WR Dudley	9/29	1875	--	
		at Renwick	Tompkins	BH	KM Wiegand	9/27	1918	9106	
		Canoga Marsh	Seneca	NYS	CB Hellquist	6/20	1974	9466	
		Myers Point	Tompkins	BH	R Jones & W Hoffman	8/05	1917	7479	

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Cayuga Lake (continued)	Potamogeton vaginatus (continued)	south end at Renwick	Tompkins	BH	R Hitchcock & AR Bechtel	7/18	1918	11187
		southeast corner	Tompkins	BH	AJ Eames & WC Muenscher	7/29	1933	18254
		southeastern part	Tompkins	NYS	AJ Eames & WC Muenscher	7/29	1933	--
	Potamogeton zosteriformis	--	--	NYS	CH Peck	Aug	--	--
		--	Seneca	BH	EL Palmer	7/19	1913	54
		--	Seneca	BH	KM Wiegand & MC Wiegand	7/19	1913	53
		--	Seneca	NYS	EL Palmer	7/19	1913	54
		Cayuga Bridge	Cayuga	BH	PR Burkholder & W Tressler	7/18	1927	16842
		Cayuga Bridge	Cayuga	NYS	VM Lefler	8/02	1934	18457
		Cayuga marshes	Cayuga	BH	AJ Eames	8/08	1914	1512
		Cayuga marshes	Cayuga	BH	AJ Eames	8/08	1914	1514
		Cayuga marshes	Cayuga	BH	KM Wiegand	8/05	1893	--
		Fall Creek	Tompkins	BH	WR Dudley	7/10	1875	--
		Ithaca	Tompkins	BH	WR Dudley	7/10	1875	--
		marshes	Seneca	BH	AJ Eames	8/07	1915	3469
		mouth of Fall Creek	Tompkins	BH	R Jones	9/02	1917	7472
		Renwick	Tompkins	BH	R Hitchcock & AR Bechtel	7/18	1918	11183
		south end	Tompkins	BH	WC Muenscher & AR Bechtel	7/31	1920	458
	Potentilla palustris	north of North Sterling	--	BH	KM Wiegand	6/27	1920	13659
	Ranunculus flabellaris	--	Cayuga	BH	KM Wiegand	5/25	1892	--
		head of lake	Cayuga	BH	FL Kilborne	5/10	1878	--
		Myers Point	Cayuga	BH	WC Muenscher & RT Clausen	5/15	1933	18327
		Myers Point	Cayuga	BH	WC Muenscher & RT Clausen	5/15	1933	18328
		Myers Point	Cayuga	BH	WC Muenscher & RT Clausen	5/17	1940	533
	Ranunculus longirostris	--	--	NYS	CH Peck	Aug	--	--
		--	Seneca	BH	E Dean & CC Thomas	8/07	1915	4049
		--	Seneca	BH	EL Palmer	7/19	1913	476
		Cayuga Brige	Cayuga	BH	KM Wiegand	8/05	1893	--
		Fall Creek	Cayuga	BH	--	7/12	1886	--
		mouth of Fall Creek	Cayuga	BH	R Hitchcock	7/09	1920	--
		Myers Point	Cayuga	BH	AJ Eames	7/06	1918	9886
	Sagittaria cuneata	mouth of Fall Creek	Tompkins	BH	R Jones	9/02	1917	--
	Sagittaria latifolia	Fall Creek	Tompkins	BH	--	7/10	1875	--
		Fall Creek	Tompkins	BH	AJ Eames	8/23	1919	11204
		Fall Creek	Tompkins	BH	AJ Eames	8/26	1916	5488
		Fall Creek	Tompkins	BH	AJ Eames & LH MacDaniels	9/12	1915	3475
		Fall Creek	Tompkins	BH	WR Dudley	7/27	1875	--
		Farleys Point	Cayuga	BH	AL Grant	8/22	1922	--
		inlet marsh	Tompkins	BH	WC Muenscher & MW Muenscher	8/25	1920	606
		inlet marshes	Tompkins	BH	--	8/20	1875	--
		inlet marshes	Tompkins	BH	WR Dudley	7/08	1875	97B
		Ithaca Flats	Tompkins	BH	KM Wiegand & EM Cipperly	7/15	1904	--
		lake shore at Taughannock	Tompkins	BH	EL Palmer	7/22	1913	65
		lakeshore at Renwick	Tompkins	BH	AJ Eames	7/29	1918	9122
		marsh at Ithaca	Tompkins	BH	EL Palmer	7/25	1913	66
		sedgy swale at Renwick	Tompkins	BH	AJ Eames	8/28	1919	11208
		shore	Tompkins	BH	WC Muenscher & MW Muenscher	7/28	1929	--
		shore at Ithaca	Tompkins	BH	WC Muenscher	9/19	1932	17684

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Cayuga Lake (continued)	Sagittaria latifolia	Stewart Park	Tompkins	BH LH Bailey		8/15	1929	--
	(continued)	swamp at Ithaca	Tompkins	BH KM Wiegand & EM Cipperly		8/10	1904	141
	Sagittaria rigida	--	Cayuga	BH KM Wiegand		8/05	1893	--
		--	Cayuga	NYS KM Wiegand		8/05	1893	--
		--	Seneca	BH WC Muenscher & RT Clausen		9/14	1935	19068
		--	Seneca	BH WC Muenscher & RT Clausen		9/14	1935	2045
		Fall Creek	Tompkins	BH --		8/01	1884	974
		Fall Creek	Tompkins	BH KM Wiegand		7/19	1895	--
		Howland Point	--	BH AJ Eames		7/31	1918	9127
		marshes	Seneca	BH CC Thomas & E Dean		8/07	1915	3476
		outlet	--	BH --		8/23	1881	--
		southwest corner	Tompkins	BH WW Rowlee & KM Wiegand		8/01	1896	--
	Scripus fluviatilis	--	--	BH WC Muenscher & AR Bechtel		6/01	1920	67
		--	Cayuga	BH AJ Eames		8/05	1947	22403
		--	Seneca	BH WC Muenscher, BI Brown & V Langdon		9/09	1944	21561
		Fall Creek marsh	Tompkins	NYS SH Burnham		7/04	1927	--
		inlet	Tompkins	BH --		July	1875	1032
		inlet	Tompkins	BH AJ Eames & CC Thomas		8/09	1915	3584
		marshes	Seneca	BH AJ Eames & R Hitchcock		8/07	1915	3582
	Scripus tabernaemontanii	--	Tompkins	BH --		7/08	1875	--
		--	Tompkins	BH CC Thomas		8/23	1914	1776
		--	Tompkins	BH WC Muenscher and MW Muenscher		7/28	1929	--
		Canoga Marshes	Seneca	BH KM Wiegand & LF Randolph		8/07	1918	9357
		Fall Creek	Tompkins	BH FP Metcalf		8/09	1916	5927
		Farleys Point	Cayuga	BH AJ Eames		8/30	1925	16064
		Farleys Point	Cayuga	BH AJ Eames		8/30	1925	16065
		Renwick Flats	--	BH --		6/28	--	--
		Renwick Flats	--	BH WC Muenscher and AR Bechtel		7/17	1920	567
		Renwick Marshes	Tompkins	BH AJ Eames		7/30	1919	11441
		Taughanock Point	Tompkins	BH EL Palmer & KM Wiegand		7/22	1960	193
		Union Springs	Cayuga	BH WJ Beal		Aug	1859	--
		west marsh	Tompkins	BH EL Palmer		8/07	1913	--
	Sparganium americanum	Renwick Flats	--	BH WC Muenscher & AR Bechtel		7/01	1920	47
	Sparganium eurycarpum	--	Tompkins	BH WC Muenscher		9/24	1932	17661
		Fall Creek	Tompkins	BH FP Metcalf & KM Wiegand		6/28	1916	5458
		head of lake	Tompkins	NYS SJ Smith		July	1934	399
		inlet	Schuyler	BH WJ Dress		8/05	1947	42
		inlet marsh	Tompkins	BH --		6/19	1875	958
		Renwick Flats	Tompkins	BH CC Thomas		6/12	1914	1487
		Renwick Flats	Tompkins	BH WC Muenscher & AR Bechtel		6/01	1920	48
		Renwick lakeshore	--	BH AJ Eames		7/03	1919	11155
		Taughanock lakeshore	Tompkins	BH AJ Eames		7/31	1915	3455
	Spirodela polyrhiza	--	Seneca	BH EL Palmer		7/19	1913	260
		inlet	Tompkins	BH --		7/04	1876	969
	Typha augustifolia	--	Tompkins	BH LH Bailey		9/11	1917	--
		--	Tompkins	BH WC Muenscher & PR Burkholder		7/01	1920	45
		borders of Cayuga Inlet in	Tompkins	NYS SJ Smith		July	1935	398

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Cayuga Lake (continued)	<i>Typha angustifolia</i> (continued)	Myers Point	Tompkins	BH	AJ Eames & KM Wiegand	6/12	1918	9087
		Renwick Flats	Tompkins	BH	AR Bechtel & WC Muenscher	7/01	1920	13343
Renwick Flats		Tompkins	BH	EL Palmer	7/01	1913	32	
sandy salt marsh		Tompkins	NYS	F Fender	6/20	1936	1673	
Springport		Cayuga	BH	AJ Eames & KM Wiegand	6/19	1919	11154	
Springport		Cayuga	BH	AJ Eames & KM Wiegand	9/21	1918	9088	
Union Springs		--	BH	AJ Eames & KM Wiegand	6/19	1919	11152	
<i>Typha latifolia</i>		--	Tompkins	BH	WC Muenscher	8/31	1940	16207
		Farleys Point	Cayuga	BH	RT Clausén & WC Muenscher	9/25	1936	2374
	inlet	Tompkins	BH	LH MacDaniels	7/16	1915	3452	
	inlet swamp	Tompkins	BH	LH Bailey	9/11	1917	--	
	Six Mile Creek	Tompkins	BH	AJ Eames & CC Thomas	7/02	1915	3451	
<i>Utricularia vulgaris</i>	--	--	HH	EH Eaton	9/03	1930	--	
	--	--	NYS	CH Peck	Aug	--	--	
	Ithaca marsh	Tompkins	BH	Jordan	7/09	1870	--	
	Kings Ferry	Cayuga	BH	AJ Eames & KM Wiegand	7/19	1918	10759	
	Kings Ferry	Cayuga	BH	LF Randolph	7/17	1918	--	
	Myers Point at Lansing	Tompkins	BH	AJ Eames	7/06	1918	10758	
	south of Cayuga Bridge	Seneca	BH	WC Muenscher & PR Burkholder	8/15	1927	17029	
	Springport	Cayuga	BH	AJ Eames & A Gershoy	6/19	1918	10757	
	Taughannock	Tompkins	BH	Fisher	July	1916	--	
	Taughannock Point	Tompkins	BH	WC Muenscher & AR Bechtel	8/07	1920	494	
	Taughannock Ravine	Tompkins	BH	Dean & Douglas	7/04	1915	4980	
	<i>Vallisneria americana</i>	--	--	BH	WC Muenscher	8/06	1927	16910
		--	--	HH	EH Eaton	9/03	1930	E 185
		Aurelius	--	BH	AJ Eames	8/08	1914	1535
		Aurelius	--	BH	EL Palmer	7/19	1913	75
		Canoga marshes	Seneca	BH	WC Muenscher & PR Burkholder	9/01	1927	16911
		Cayuga Bridge	--	BH	--	8/17	1875	--
Cayuga Bridge		--	BH	KM Wiegand	8/05	1893	--	
Farleys Point		--	BH	ML Fernald & KM Wiegand	8/21	1922	14549	
Farleys Point		--	BH	ML Fernald & KM Wiegand	8/21	1922	14550	
Farleys Point		Cayuga	NYS	ML Fernald & KM Wiegand	8/21	1903	14549	
Farleys Point		Cayuga	NYS	ML Fernald & KM Wiegand	8/21	1903	14550	
inlet		Tompkins	BH	WC Muenscher	9/08	1927	16913	
Ithaca, shallow water		Tompkins	BH	WC Muenscher & RT Clausen	9/13	1933	213	
near Ithaca boat landing		Tompkins	BH	--	7/25	1908	--	
near Renwick		Tompkins	BH	WR Dudley	8/22	1875	--	
north of Canoga marshes		--	BH	AJ Eames, KM Wiegand & LF Randolph	8/07	1918	9130	
<i>Wolffia columbiana</i>		southwest corner	Tompkins	BH	--	10/07	1876	--
		southwest shore	Tompkins	BH	--	10/07	1874	866
		southwest shore	Tompkins	BH	--	7/28	1875	866
	Cayuga Bridge	Cayuga	BH	--	9/25	1885	970	
	Cayuga marshes	Cayuga	BH	KM Wiegand	8/17	1895	--	
	<i>Zannichellia palustris</i>	--	--	BH	WC Muenscher & AR Bechtel	7/31	1920	460
		Myers Point	--	BH	AJ Eames	8/21	1918	9111
		near Renwick	--	BH	WW Rowlee & KM Wiegand	8/01	1896	--

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Cayuga Lake (continued)	Zannichellia palustris (continued)	Springport	--	BH	WC Muenscher & PR Burkholder	8/31	1927	16903
	Zizania aquatica	--	Cayuga	BH	--	7/25	1908	--
		Fall Creek	Tompkins	BH	FP Metcalf	8/21	1916	5581
		inlet marsh	Tompkins	BH	--	8/17	1875	1182
		inlet marsh	Tompkins	BH	AJ Eames	8/13	1915	3490
		Renwick Flats	Tompkins	BH	WC Muenscher & AR Bechtel	9/28	1920	619
Cayuta Lake	Bidens beckii	--	Schuyler	BH	WC Muenscher	8/67	1927	17056
		--	Schuyler	NYS	RT Clausen	8/29	1948	7307
	Brasenia schreberi	--	Schuyler	BH	--	7/27	1876	--
		--	Schuyler	BH	--	Aug	1845	44
		--	Schuyler	BH	Hoyt	Aug	1893	--
	Callitriche palustris	outlet	Schuyler	BH	WC Muenscher & VM Lefler	8/09	1933	18257
	Elodea canadensis	west shore	Schuyler	BH	WC Muenscher	7/16	1932	17685
		west shore	Schuyler	BH	WC Muenscher	8/66	1927	16907
	Heteranthera dubia	--	Schuyler	BH	WC Muenscher	7/16	1932	17757
	Isoetes echinospora	--	Schuyler	BH	--	8/19	1884	--
		--	Schuyler	BH	--	8/23	1893	--
		--	Schuyler	BH	WC Muenscher	8/06	1927	16803
	Lemna trisulca	--	Schuyler	BH	RT Clausen	8/29	1948	7301
		--	Schuyler	NYS	RT Clausen	8/29	1948	7301
	Myriophyllum sibiricum	--	Schuyler	BH	OL Justice & VM Lefler	8/06	1939	552
		--	Schuyler	BH	WC Muenscher	8/06	1927	16999
	Najas flexilis	--	--	BH	--	July	1875	--
		--	Schuyler	BH	WC Muenscher	8/06	1927	16814
		east side	Schuyler	BH	SS Chase	7/14	1946	NY-113
	Nuphar lutea	--	Schuyler	BH	--	Aug	1875	48
		--	Schuyler	BH	WC Muenscher	8/07	1927	16958
	Nymphaea odorata	--	Schuyler	BH	--	7/30	1878	--
		--	Schuyler	BH	--	7/30	1878	--
		--	Schuyler	BH	LH Bailey	7/09	1946	819
		--	Schuyler	BH	LH Bailey	7/11	1947	17
		--	Schuyler	BH	OL Justice & GMH Lawrence	8/06	1939	551
		--	Schuyler	BH	WC Muenscher	8/60	1927	16956
	Potamogeton amplifolius	--	Schuyler	BH	--	Aug	1875	--
		--	Schuyler	BH	WC Muenscher	7/16	1932	17666
		--	Schuyler	NYS	A Schulze	9/27	1941	32-41
	Potamogeton crispus	--	Schuyler	NYS	A Schulze	9/27	1941	33-41
	Potamogeton epihydrus	inlet	Schuyler	BH	--	July	1875	--
		inlet	Schuyler	BH	WC Muenscher	7/16	1952	17669
	Potamogeton foliosus	--	Schuyler	BH	WC Muenscher & VM Lefler	8/09	1933	18256
	Potamogeton friesii	south end	Schuyler	BH	RT Clausen	8/29	1948	7310
	Potamogeton gramineus	--	Schuyler	BH	WC Muenscher	7/12	1931	17550
		--	Schuyler	BH	WC Muenscher	7/14	1931	17551
		--	Schuyler	NYS	WC Muenscher	7/12	1931	17550
	Potamogeton obtusifolius	inlet	Schuyler	NYS	WC Muenscher	7/16	1932	17672
	Potamogeton pectinatus	--	Schuyler	NYS	A Schulze	9/27	1941	--
	Potamogeton praelongus	--	--	BH	WC Muenscher	7/16	1932	17676

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Cayuta Lake (continued)	Potamogeton richardsonii	--	Schuylers	NYS	WC Muenscher	7/16	1932	17678
	(continued)							
	Potamogeton robbinsii	--	Schuylers	NYS	WC Muenscher	8/06	1927	16897
		near outlet	Schuylers	BH	WC Muenscher	8/06	1927	16897
		west shore	Schuylers	BH	WC Muenscher	7/16	1932	17679
	Potamogeton spirillus	--	Schuylers	BH	DF Hoy	8/23	1893	--
		--	Schuylers	BH	WC Muenscher	7/05	1931	17548
		--	Schuylers	BH	WC Muenscher & VM Lefler	8/09	1933	18252
		--	Schuylers	BH	WR Dudley	Aug	1875	--
		--	Schuylers	NYS	WC Muenscher & VM Lefler	8/03	1933	18252
		east shore	Schuylers	NYS	WR Dudley	8/19	1881	--
	Potamogeton vaseyi	--	Schuylers	BH	WC Muenscher	8/06	1927	16841
	Scripus tabernaemontanii	--	Schuylers	BH	A Gershoy	8/02	1918	9356
	Sparganium americanum	--	Schuylers	BH	WC Muenscher	July	1948	--
		--	Schuylers	BH	WJ Dress	7/11	1947	15
	Vallisneria americana	--	Schuylers	BH	WC Muenscher & VM Lefler	8/09	1933	18260
Cazenovia Lake	Potamogeton foliosus	--	Madison	NYS	KM Wiegand	8/06	1894	--
		outlet	Madison	BH	KM Wiegand	8/06	1894	--
		outlet	Madison	BH	KM Wiegand	8/06	1894	--
	Sagittaria latifolia	west shore	Madison	BH	KM Wiegand	8/06	1894	--
	Sparganium eurycarpum	--	Madison	NYS	OL Schreiber	7/14	1939	87
	Typha angustifolia	marsh at south end	Madison	NYS	HD House	8/04	1948	31610
Conesus Lake	Bidens beckii	southeast corner	Livingston	BH	WC Muenscher & PR Burkholder	9/02	1926	16766
	Elodea canadensis	Eagle Point	Livingston	BH	WC Muenscher & PR Burkholder	8/31	1926	16367
	Equisetum fluviatile	--	Livingston	BH	WC Muenscher & PR Burkholder	9/02	1926	16386
		--	Livingston	BH	WC Muenscher & PR Burkholder	9/02	1926	16387
	Heteranthera dubia	--	Livingston	BH	WC Muenscher & PR Burkholder	8/31	1926	16483
		--	Livingston	BH	WC Muenscher & PR Burkholder	9/01	1926	16482
		--	Livingston	BH	WC Muenscher & PR Burkholder	9/02	1926	16484
	Nuphar lutea	--	Livingston	BH	WC Muenscher & PR Burkholder	9/02	1926	16570
	Pontederia cordata	--	Livingston	BH	WC Muenscher & PR Burkholder	9/02	1926	16485
	Potamogeton amplifolius	--	Livingston	BH	WC Muenscher & PR Burkholder	9/02	1926	16403
		southwest corner	Livingston	BH	WC Muenscher & PR Burkholder	9/02	1926	16404
	Potamogeton crispus	--	Livingston	BH	WC Muenscher & PR Burkholder	9/02	1926	16409
		--	Livingston	NYS	Humphrey	--	--	--
	Potamogeton epihydrus	southwest	Livingston	BH	PR Burkholder & WC Muenscher	9/02	1926	16414
		southwest	Livingston	BH	WC Muenscher & PR Burkholder	9/02	1926	16413
	Potamogeton gramineus	near Eagle Point	Livingston	BH	WC Muenscher & PR Burkholder	8/31	1926	16418
		north end	Livingston	BH	WC Muenscher & PR Burkholder	9/01	1926	16419
	Potamogeton natans	outlet	Livingston	BH	WC Muenscher & PR Burkholder	8/31	1926	16420
	Potamogeton nodosus	--	Livingston	BH	WC Muenscher & PR Burkholder	8/31	1926	16400
	Potamogeton pectinatus	Eagle Point	Livingston	BH	WC Muenscher & PR Burkholder	8/31	1926	16422
		west shore	Livingston	BH	WC Muenscher & PR Burkholder	8/31	1926	16423
	Potamogeton pusillus	--	Livingston	NYS	SJ Smith & E Ogden	7/22	1969	44457
		--	Livingston	NYS	WA Matthews	7/28	1927	2680
		north end	Livingston	BH	SJ Smith & E Ogden	7/22	1969	44457
	Potamogeton richardsonii	north end	Livingston	BH	WC Muenscher & PR Burkholder	8/31	1926	16425
	Potamogeton zosteriformis	--	Livingston	NYS	WC Muenscher & PR Burkholder	9/02	1926	16405
		--	Livingston	NYS	WC Muenscher & PR Burkholder	9/02	1926	16405

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER	
Conesus Lake (continued)	Sagittaria latifolia	outlet	Livingston	BH	WC Muenscher & PR Burkholder	8/31	1926	16431	
		south end	Livingston	BH	WC Muenscher & PR Burkholder	9/02	1926	16430	
	Sagittaria rigida	south end	Livingston	BH	WC Muenscher & PR Burkholder	9/02	1926	16428	
	Scripus tabernaemontanii	--	Livingston	BH	PR Burkholder & WC Muenscher	9/02	1926	16480	
	Typha latifolia	--	Livingston	NYS	Humphrey	9/23	1975	8	
	Vallisneria americana	McPherson Point	Livingston	BH	WC Muenscher & PR Burkholder	9/01	1926	16434	
		north end	Livingston	BH	WC Muenscher & PR Burkholder	8/31	1926	16435	
Crooked Lake	Najas flexilis	Keuka Lake?	--	BH	G Hastings	8/02	1898	--	
Cross Lake	Ludwigia palustris	--	Cayuga	NYS	RT Clausen	9/05	1945	6725	
	Lythrum salicaria	--	Cayuga	BH	RT Clausen	9/05	1945	6711	
		--	Cayuga	NYS	RT Clausen	9/05	1945	6711	
	Najas flexilis	--	Cayuga	BH	WC Muenscher & BI Brown	9/05	--	22501	
		--	Cayuga	NYS	RT Clausen	9/05	1945	6705	
	Nuphar lutea	--	Cayuga	BH	WC Muenscher & BI Brown	9/05	1945	22055	
	Nymphaea odorata	--	Cayuga	BH	WC Muenscher & BI Brown	9/05	1945	22054	
	Potamogeton perfoliatus	--	Cayuga	BH	WC Muenscher & BI Brown	9/05	1945	22043	
	Potamogeton zosteriformis	--	Cayuga	BH	WC Muenscher & BI Brown	9/05	1945	22044	
	Potentilla palustris	inlet	Cayuga	BH	WC Muenscher & BI Brown	9/05	1945	22053	
	Scripus tabernaemontanii	--	Cayuga	BH	WC Muenscher and BI Brown	9/05	1945	22046	
		northwest shore	Cayuga	NYS	RT Clausen	9/05	1945	6709	
	Zannichellia palustris	west	Cayuga	NYS	RT Clausen	9/05	1945	6715	
	Cuba Lake	Heteranthera dubia	--	Allegany	BH	R McVaugh & OF Curtis Jr	7/13	1937	7319
		Pontederia cordata	--	Allegany	BH	R McVaugh & OF Curtis Jr	7/13	1937	7318
			--	Allegany	NYS	R McVaugh & OF Curtis Jr	7/13	1937	7318
		Potamogeton crispus	--	Allegany	BH	R McVaugh & OF Curtis Jr	7/13	1937	7321
		--	Allegany	NYS	R McVaugh & OF Curtis Jr	7/13	1937	7321	
Potamogeton epihydrus		northeast side	Allegany	BH	R McVaugh & OF Curtis Jr	7/13	1937	7320	
Potamogeton richardsonii		--	Allegany	BH	R McVaugh & OF Curtis Jr	7/13	1937	7324	
		--	Allegany	NYS	R McVaugh & OF Curtis Jr	7/13	1937	7324	
Potamogeton vaseyi		--	Allegany	BH	R McVaugh & OF Curtis Jr	7/13	1937	7325	
		--	Allegany	NYS	A Schulze	7/23	1941	15 to 18-41	
		--	Allegany	NYS	R McVaugh & OF Curtis Jr	7/13	1937	7325	
Sparganium americanum		--	Allegany	BH	R McVaugh & OF Curtis Jr	7/13	1937	7323	
		--	Allegany	NYS	R McVaugh & OF Curtis Jr	7/13	1937	--	
Demmons Lake	Sparganium americanum	--	Steuben	BH	R McVaugh & OF Curtis Jr	7/17	1937	7430	
		--	Steuben	NYS	R McVaugh & OF Curtis	7/17	1937	--	
DeRuyter Reservoir	Ceratophyllum demersum	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/28	1935	5064	
	Potamogeton foliosus	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/28	1935	4863	
		--	Madison	NYS	WC Muenscher & OF Curtis Jr	8/26	1935	4864	
	Potamogeton nodosus	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/28	1935	4830	
		--	Madison	NYS	WC Muenscher & OF Curtis Jr	8/28	1935	4830	
	Potamogeton pusillus	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/28	1935	4893	
		--	Madison	NYS	WC Muenscher & OF Curtis Jr	8/28	1935	4893	
	Potamogeton richardsonii	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/28	1935	4918	
	Scripus tabernaemontanii	--	Madison	BH	WC Muenscher and OF Curtis Jr	8/28	1935	5007	
Dryden Lake	Heteranthera dubia	--	Tompkins	NYS	A Schulze	8/08	1940	9	
	Lemna trisulca	--	Tompkins	BH	WC Muenscher & PR Burkholder	5/15	1927	16926	
	Ludwigia palustris	--	Tompkins	BH	A Gershoy	7/22	1918	10439	

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER	
Dryden Lake (continued)	<i>Najas flexilis</i>	--	Tompkins	BH SS Chase		7/23	1946	NY-143	
	<i>Polygonum amphibium</i>	--	Tompkins	BH KM Wiegand		9/29	1897	--	
	<i>Potamogeton amplifolius</i>	--	Tompkins	NYS A Schulze		10/08	1938	--	
	<i>Potamogeton crispus</i>	--	Tompkins	NYS A Schulze		10/08	1938	--	
		southern		Tompkins	BH A Schulze		4/20	1940	--
	<i>Potamogeton natans</i>	--	Tompkins	BH A Schulze		10/06	1940	--	
		--		Tompkins	NYS A Schulze		8/08	1940	18, 35, 14-40
	<i>Potamogeton pectinatus</i>	--	Tompkins	BH WC Muenscher & RT Clausen		10/14	1932	200	
	<i>Potamogeton richardsonii</i>	--	Tompkins	NYS A Schulze		8/08	1940	1132	
	<i>Potamogeton robbinsii</i>	--	Tompkins	BH WC Muenscher & VM Lefler		7/19	1933	18251	
		--		Tompkins	NYS A Schulze		8/08	1940	4, 19-40
	<i>Potamogeton zosteriformis</i>	--	Tompkins	NYS A Schulze		8/08	1940	10, 17	
	<i>Ranunculus longirostris</i>	--		Tompkins	BH AJ Eames, LF Randolph & KM Wiegand		7/20	1919	--
	<i>Sagittaria latifolia</i>	--		Tompkins	BH AJ Eames		7/22	1918	9120
		marsh		Tompkins	BH AJ Eames		7/22	1918	9124
	<i>Scripus tabernaemontanii</i>	--		Tompkins	BH AJ Eames		7/22	1918	9354
	<i>Sparganium americanum</i>	--		Tompkins	BH C Burch		7/11	1948	40
	<i>Typha latifolia</i>	--		Tompkins	BH WC Muenscher		10/02	1936	19572
	<i>Vallisneria americana</i>	--		Tompkins	BH WC Muenscher & BI Brown		6/05	1944	20989
	<i>Wolffia columbiana</i>	--		Tompkins	BH KM Wiegand		9/17	1916	6127
	Duck Lake	<i>Brasenia schreberi</i>	--	Cayuga	BH AJ Eames, KM Wiegand & LF Randolph		8/08	1919	12037
			--	Cayuga	BH WC Muenscher & WT Winne		7/20	1946	22259
		<i>Isoetes echinospora</i>	--	Cayuga	BH AJ Eames, FP Metcalf, & KM Wiegand		7/01	1916	5445
		east side		Cayuga	BH RT Clausen		10/22	1938	379
		east side		Cayuga	NYS RT Clausen		8/14	1938	3526
<i>Najas flexilis</i>		--	Cayuga	BH WC Muenscher & VM Lefler		8/12	1933	18238	
		--	Seneca	BH SS Chase		7/15	1946	NY-115	
<i>Nymphaea odorata</i>		--	Cayuga	BH PA Munz & KM Wiegand		7/01	1916	6431	
<i>Pontederia cordata</i>		--	Cayuga	BH AJ Eames, LF Randolph & KM Wiegand		8/21	1919	11724	
<i>Potamogeton gramineus</i>		--	Cayuga	NYS A Schulze		9/28	1941	--	
<i>Potamogeton illinoensis</i>		--	Cayuga	BH WC Muenscher & VM Lafler		8/12	1933	18242	
		--	Cayuga	NYS A Schulze		9/28	1941	--	
<i>Potamogeton natans</i>		--	Cayuga	BH AJ Eames, LF Randolph & KM Wiegand		9/08	1919	11164	
<i>Potamogeton nodosus</i>		--	Cayuga	BH KM Wiegand, AJ Eames & LF Randolph		9/08	1919	11175	
		--	Cayuga	NYS A Schulze		9/28	1941	--	
<i>Potamogeton pectinatus</i>		--	Cayuga	BH A Schulze		9/28	1941	--	
		--	Cayuga	NYS A Schulze		9/28	1941	--	
<i>Potamogeton perfoliatus</i>		--	Cayuga	BH AJ Eames, KM Wiegand & LF Randolph		9/08	1919	11181	
<i>Potamogeton zosteriformis</i>		--	Cayuga	NYS A Schulze		9/28	1941	--	
East Bay		<i>Bidens beckii</i>	--	Wayne	NYS EL Hankenson		8/01	1868	504
		<i>Myriophyllum heterophyllum</i>	Beaver Creek	Wayne	NYS RT Clausen & WA Hinkey		8/18	1939	4475

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
East Bay	Potamogeton amplifolius	west arm	Wayne	BH	RT Clausen & WA Hinkey	8/18	1937	4177
(continued)	Potamogeton pectinatus	--	Wayne	BH	RT Clausen & WA Hinkey	8/18	1939	4217
Eaton Brook Reservoir	Polygonum amphibium	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/28	1935	5053
	Potamogeton epihydrus	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/28	1935	4852
	Potamogeton foliosus	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/28	1935	4862
	Potamogeton pusillus	north end	Madison	BH	WC Muenscher & OF Curtis Jr	8/28	1935	4892
	Ranunculus longirostris	pond in Eaton Brook	Madison	NYS	CA Taylor	8/24	1946	--
	Ranunculus trichophyllus	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/28	1935	5087
Fall Creek	Alisma plantago-aquatica	--	Tompkins	BH	AR Bechtel	9/17	1919	13274
	Callitriche heterophylla	--	Tompkins	BH	R Hitchcock	6/11	1919	52
	Ceratophyllum demersum	mouth	Tompkins	BH	R Hitchcock	7/18	1919	--
		mouth of creek	Tompkins	BH	WC Muenscher & RT Clausen	7/13	1933	519
	Elodea canadensis	flats	Tompkins	BH	--	7/02	1908	--
	Lythrum salicaria	Beebee Lake	Tompkins	BH	EE Gaertner	9/03	1946	22269
		Beebee Lake	Tompkins	BH	SH Burnham	9/11	1937	19764
	Potamogeton foliosus	--	Tompkins	BH	--	8/09	1884	--
		--	Tompkins	BH	--	9/22	1884	--
		--	Tompkins	BH	KM Wiegand	8/13	1938	19832
		flats	Tompkins	BH	WR Dudley	7/12	1886	--
	Potamogeton friesii	Ithaca	--	BH	WR Dudley	7/12	1886	--
	Potamogeton gramineus	--	Tompkins	BH	LH Bailey	8/14	1937	253
		--	Tompkins	BH	WR Dudley	7/12	1886	--
Goodale Lake	Bidens beckii	--	Cortland	BH	WC Muenscher & OF Curtis Jr	8/26	1935	5130
	Myriophyllum sibiricum	--	Cortland	BH	WC Muenscher & OF Curtis Jr	8/26	1935	5105
	Najas flexilis	--	Cortland	BH	WC Muenscher & OF Curtis Jr	8/26	1935	4813a
	Nuphar lutea	--	Cortland	BH	GHM Lawrence	6/30	1946	801
	Potamogeton foliosus	--	Cortland	NYS	SJ Smith, EC Ogden & E. Waldbauer	7/23	1969	44345
	Potamogeton friesii	outlet	--	BH	SJ Smith, E Ogden & E Waldbauer	7/23	1969	44343
		outlet	Cortland	NYS	SJ Smith, EC Ogden & E Waldbauer	7/23	1969	44341
	Potamogeton pectinatus	--	Cortland	BH	GHM Lawrence	6/30	1946	806
	Potamogeton strictifolius	outlet	Cortland	NYS	SJ Smith, EC Ogden & E Waldbauer	7/23	1969	44341
	Potamogeton zosteriformis	outlet	Cortland	NYS	SJ Smith, EC Ogden & E Waldbauer	7/23	1969	44340
	Potentilla palustris	--	Cortland	BH	DG Huttleston	6/27	1946	2941
	Ranunculus longirostris	--	Cortland	BH	GHM Lawrence	6/30	1946	805
	Scripus tabernaemontanii	outlet	Cortland	BH	SJ Smith, E Ogden & E Waldbauer	7/23	1969	44342
	Sparganium americanum	--	Cortland	BH	WC Muenscher & OF Curtis Jr	8/26	1935	4801
	Vallisneria americana	--	Cortland	BH	WC Muenscher & OF Curtis Jr	8/26	1935	4948
	Zannichellia palustris	inlet	Cortland	BH	RT Clausen	7/20	1958	--
		inlet	Cortland	NYS	RT Clausen	7/20	1958	--
		outlet	Cortland	NYS	SJ Smith, EC Ogden & E Waldbauer	7/23	1969	44339
Hatch Lake	Potamogeton gramineus	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/29	1935	4872

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Honeoye Lake	Bidens beckii	--	Ontario	FLH MS Baxter		8/15	1921	--
		--	Ontario	FLH MS Baxter		8/22	1923	--
		--	Ontario	NYS MS Baxter		8/15	1921	5641
	Ceratophyllum demersum	inlet	Ontario	FLH BA Gilman		7/18	1980	--
		--	Ontario	FLH BA Gilman		Oct	1984	--
		--	Ontario	FLH BA Gilman		Sept	1984	--
	Elodea canadensis	inlet	Ontario	FLH BA Gilman		7/18	1980	--
		--	Ontario	FLH BA Gilman		Oct	1984	--
		--	Ontario	FLH BA Gilman		Sept	1984	--
		--	Ontario	FLH MS Baxter		9/06	1923	--
		--	Ontario	FLH MS Baxter		9/16	1925	--
		--	Ontario	NYS MS Baxter		9/06	1923	6539
	Heteranthera dubia	--	Ontario	FLH BA Gilman		Oct	1984	--
	Lemna minor	inlet	Ontario	FLH BA Gilman		7/18	1980	--
	Myriophyllum spicatum	--	Ontario	FLH BA Gilman		Sept	1984	--
		inlet	Ontario	FLH BA Gilman		7/18	1980	--
	Najas flexilis	--	Ontario	FLH MS Baxter		9/05	1925	--
		--	Ontario	FLH MS Baxter		9/06	1925	--
		inlet	Ontario	FLH BA Gilman		7/18	1980	--
	Potamogeton amplifolius	--	Ontario	FLH MS Baxter		7/14	1921	--
		--	Ontario	FLH MS Baxter		8/22	1923	--
		--	Ontario	FLH MS Baxter		9/06	1895	--
		inlet	Ontario	FLH BA Gilman		7/18	1980	--
		inlet	Ontario	FLH BA Gilman		Sept	1984	--
	Potamogeton crispus	--	Ontario	FLH BA Gilman		Oct	1984	--
		--	Ontario	FLH BA Gilman		Sept	1984	--
	Potamogeton epihydrus	inlet	Ontario	FLH BA Gilman		7/18	1980	--
		outlet	Ontario	FLH MS Baxter		8/19	1923	--
	Potamogeton filiformis	--	Ontario	FLH MS Baxter		6/29	1923	--
	Potamogeton illinoensis	--	Ontario	FLH MS Baxter		7/21	1921	--
	Potamogeton natans	--	Ontario	FLH MS Baxter		6/29	1923	--
		inlet	Ontario	FLH BA Gilman		7/18	1980	--
	Potamogeton nodosus	inlet	Ontario	FLH MS Baxter		8/20	1923	--
	Potamogeton pectinatus	--	Ontario	FLH MS Baxter		9/26	1923	--
		inlet	Ontario	FLH BA Gilman		7/18	1980	--
	Potamogeton perfoliatus	--	Ontario	FLH MS Baxter		8/22	1923	--
		inlet	Ontario	FLH BA Gilman		7/18	1980	--
	Potamogeton praelongus	--	Ontario	FLH Hill		8/14	1884	--
		--	Ontario	FLH MS Baxter		7/04	1924	--
		--	Ontario	HH EH Eaton		9/05	1930	--
	Potamogeton pusillus	--	Ontario	FLH MS Baxter		6/29	1923	--
		inlet	Ontario	FLH BA Gilman		7/18	1980	--
	Potamogeton richardsonii	--	Ontario	FLH MS Baxter		7/04	1921	--
		--	Ontario	FLH MS Baxter		8/05	1921	--
		inlet	Ontario	FLH BA Gilman		7/18	1980	--
	Potamogeton zosteriformis	--	Ontario	FLH MS Baxter		6/29	1923	--
		--	Ontario	FLH MS Baxter		7/04	1921	--
inlet		Ontario	FLH BA Gilman		7/18	1980	--	

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Honeoye Lake (continued)	Sparganium americanum (continued)	inlet	Ontario	FLH BA Gilman		7/18	1980	--
	Sparganium eurycarpum	southeast corner	Ontario	FLH FS Fender		6/16	1936	--
	Utricularia vulgaris	inlet	Ontario	FLH BA Gilman		7/18	1980	--
	Vallisneria americana	--	Ontario	FLH BA Gilman		Sept	1984	--
Irondequoit Bay	Alisma plantago-aquatica	--	Monroe	NYS HD House		9/05	1929	17162
	Azolla caroliniana	--	Monroe	NYS RT Clausen & WA Hinkey		8/22	1939	4128
	Elodea canadensis	Sea Breeze	Monroe	BH WC Muenscher, KM Wiegand & AH Wright		7/01	1924	15197
	Lythrum salicaria	--	Monroe	FLH BA Gilman		--	--	--
	Nymphaea odorata	northwest section	Monroe	NYS RT Clausen & WA Hinkey		8/22	1939	--
	Pontederia cordata	--	Monroe	BH SH Burnett		8/08	1892	--
	Potamogeton crispus	--	Monroe	BH WC Muenscher & KM Wiegand		7/01	1924	15190
	Potamogeton nodosus	--	Monroe	BH RT Clausen & WA Hinkey		8/22	1939	4166
		--	Monroe	BH RT Clausen & WA Hinkey		8/22	1939	4166
		--	Monroe	FLH BA Gilman		--	--	--
		--	Monroe	NYS RT Clausen & WA Hinkey		8/22	1939	4166
	Potamogeton pectinatus	--	Monroe	FLH BA Gilman		--	--	--
		--	Monroe	NYS JV Haberer		Sept	1942	1278
	Ranunculus longirostris	Flat Bridge	Monroe	BH RH Cress		5/07	--	--
		Sea Breeze	Monroe	BH WC Muenscher, KM Wiegand & AH Wright		7/01	1924	15479
	Sagittaria cuneata	wet shores	Monroe	NYS MS Baxter		8/10	1916	7
	Scripus fluviatilis	--	Monroe	NYS HD House		9/05	1929	17157
		--	Monroe	NYS L Holzer		8/02	1864	--
	Scripus tabernaemontanii	--	Monroe	BH RT Clausen & WA Hinkey		8/22	1939	4366
		--	Monroe	NYS RT Clausen & WA Hinkey		8/22	1939	4366
	Spirodela polyrhiza	--	Monroe	BH RT Clausen & WA Hinkey		8/22	1939	4377
	Typha augustifolia	--	Monroe	BH RT Clausen & WA Hinkey		8/22	1939	4138
Keuka Lake	Calla palustris	--	Yates	HH JW Stewart		--	--	--
	Ceratophyllum demersum	--	Yates	HH JW Stewart		--	--	--
	Elodea canadensis	--	Yates	HH JW Stewart		--	--	--
	Iris versicolor	--	Yates	HH JW Stewart		--	--	--
	Lemna minor	--	Yates	HH JW Stewart		--	--	--
	Ludwigia palustris	--	Yates	HH JW Stewart		--	--	--
	Myriophyllum sibiricum	--	--	HH EH Eaton		7/21	1927	--
	Myriophyllum spicatum	Branchport	Yates	NYS RA Ulrich		7/06	1960	--
	Najas flexilis	--	--	HH JW Stewart		--	--	--
	Najas guadelupensis	--	--	BH H Ellis		10/09	1936	5491a
	Nuphar lutea	--	Yates	HH JW Stewart		--	--	--
	Nymphaea odorata	--	Yates	HH JW Stewart		--	--	--
	Peltandra virginica	--	Yates	HH JW Stewart		--	--	--
	Polygonum amphibium	--	Yates	HH JW Stewart		--	--	--
	Potamogeton crispus	--	Steuben	NYS A Schulze		7/22	1941	3-41
		--	Yates	NYS SH Wright		--	--	--
	Potamogeton friesii	--	--	HH EH Eaton		7/21	1927	--
	Potamogeton illinoensis	--	Yates	HH JW Stewart		--	--	--
	Potamogeton natans	--	Yates	HH JW Stewart		--	--	--

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Keuka Lake	<i>Potamogeton perfoliatus</i>	--	Yates	HH	JW Stewart	--	--	--
(continued)	<i>Potamogeton praelongus</i>	--	--	HH	EH Eaton	7/21	1927	--
	<i>Potentilla palustris</i>	--	Yates	HH	JW Stewart	--	--	--
	<i>Ranunculus longirostris</i>	--	Yates	HH	JW Stewart	--	--	--
	<i>Ranunculus trichophyllus</i>	--	Yates	HH	JW Stewart	--	--	--
	<i>Scripus tabernaemontanii</i>	Hammondsport	Steuben	NYS	SJ Smith & E-Ogden	8/01	1953	14048
	<i>Sparganium americanum</i>	--	--	HH	JW Stewart	--	--	--
	<i>Sparganium eurycarpum</i>	--	--	HH	JW Stewart	--	--	--
	<i>Spirodela polyrhiza</i>	--	Yates	HH	JW Stewart	--	--	--
	<i>Typha latifolia</i>	--	--	HH	JW Stewart	--	--	--
	<i>Utricularia vulgaris</i>	south of Branchport	Yates	BH	Seymour	8/11	1940	1542
	<i>Vallisneria americana</i>	--	--	HH	JW Stewart	--	--	--
		as Crooked Lake	Yates	NYS	SH Wright	--	--	--
	<i>Zizania aquatica</i>	--	Yates	HH	JW Stewart	--	--	--
Labrador Lake	<i>Nuphar lutea</i>	--	Onondaga	BH	LH Bailey	6/28	1925	--
		--	Onondaga	BH	WC Muenscher & OF Curtis Jr	8/26	1935	5080
	<i>Potamogeton pusillus</i>	--	Onondaga	BH	WC Muenscher & OF Curtis Jr	8/26	1935	4891
Lake Como	<i>Bidens beckii</i>	--	Cayuga	BH	WC Muenscher	7/25	1931	17629
	<i>Calla palustris</i>	--	Cayuga	BH	KM Wiegand & LF Randolph	6/15	1919	11721
	<i>Najas flexilis</i>	--	Cayuga	BH	WC Muenscher	7/25	1931	17543
	<i>Nuphar lutea</i>	--	Cayuga	BH	LF Randolph & KM Wiegand	6/15	1919	12030
	<i>Nymphaea odorata</i>	--	Cayuga	BH	C Atwood	7/05	1927	--
		--	Cayuga	BH	WC Muenscher	7/25	1931	17582
		--	Cayuga	BH	WC Muenscher & AR Bechtel	7/22	1928	17212
	<i>Peltandra virginica</i>	--	Cayuga	NYS	C Atwood	8/01	1882	--
	<i>Potamogeton amplifolius</i>	--	Cayuga	BH	WC Muenscher	7/25	1931	17554
	<i>Potamogeton foliosus</i>	--	Cayuga	BH	WC Muenscher	7/25	1931	17557
	<i>Potamogeton gramineus</i>	East side	Cayuga	BH	WC Muenscher	7/25	1931	17552
	<i>Potamogeton illinoensis</i>	--	Cayuga	BH	WC Muenscher	7/25	1931	17545
		--	Cayuga	NYS	WC Muenscher	7/25	1931	17545
	<i>Potamogeton natans</i>	--	Cayuga	BH	WC Muenscher	7/25	1931	17553
	<i>Potamogeton obtusifolius</i>	south end	Cayuga	BH	WC Muenscher	7/25	1931	17554
		--	Cayuga	NYS	WC Muenscher	7/25	1931	17554
	<i>Potamogeton praelongus</i>	south end	Cayuga	BH	WC Muenscher	7/25	1931	17556
	<i>Potamogeton zosteriformis</i>	--	Cayuga	BH	WC Muenscher	7/25	1931	17546
	<i>Potentilla palustris</i>	--	Cayuga	BH	C Atwood	June	1879	--
Lake Moraine	<i>Najas flexilis</i>	--	Madison	NYS	HD House	8/18	1917	--
	<i>Potamogeton crispus</i>	--	Madison	NYS	RL Crockett	8/23	1937	--
	<i>Potamogeton richardsonii</i>	--	Madison	NYS	RL Crockett	8/23	1937	--
	<i>Spirodela polyrhiza</i>	--	Madison	NYS	RL Crockett	7/25	1942	1119
Lake Neatahwanta	<i>Heteranthera dubia</i>	Fulton	Oswego	BH	HP DeForest	7/20	1882	--
	<i>Myriophyllum sibiricum</i>	--	Oswego	BH	HL Stewart	6/30	1887	--
		--	Oswego	BH	KM Wiegand & DF Hay	9/11	1897	--
	<i>Potamogeton gramineus</i>	--	Oswego	BH	WW Rowlee	7/23	1892	--
	<i>Potamogeton robbinsii</i>	--	Oswego	BH	WW Rowlee & KM Wiegand	9/11	1897	--
	<i>Potamogeton spirillum</i>	--	Oswego	BH	WW Rowlee	7/03	1895	--
	<i>Spirodela polyrhiza</i>	Fulton	Oswego	BH	WW Rowlee	9/01	1895	--
	<i>Utricularia vulgaris</i>	--	Oswego	BH	HL Stewart	6/30	1887	--

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Lamoka Lake (continued)	<i>Brasenia schreberi</i> (continued)	outlet	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7350
	<i>Equisetum fluviatile</i>	--	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7367
		--	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7367
	<i>Heteranthera dubia</i>	outlet	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7357
		outlet	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7357
	<i>Pontederia cordata</i>	outlet	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7337
	<i>Pontederia cordata</i>	--	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7337
	<i>Potamogeton amplifolius</i>	outlet	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7354
		outlet	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7354
	<i>Potamogeton crispus</i>	--	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7370
		north end	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7370
	<i>Potamogeton epihydrus</i>	outlet	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7362
	<i>Potamogeton friesii</i>	outlet	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7356
		outlet	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7356
	<i>Potamogeton gramineus</i>	--	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7352
	<i>Potamogeton illinoensis</i>	--	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7364
		--	Schuyler	BH	R McVaugh & OF Curtis Jr	8/28	1937	7582
		--	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7352
		--	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7364
		--	Schuyler	NYS	R McVaugh & OF Curtis Jr	8/28	1937	7582
	<i>Potamogeton natans</i>	--	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7359
		outlet	Schuyler	NYS	R McVaugh and OF Curtis Jr	7/14	1937	7359
	<i>Potamogeton praelongus</i>	--	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7371
		--	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1934	7371
	<i>Potamogeton pusillus</i>	--	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7345
		--	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7345
	<i>Potamogeton robbinsii</i>	--	Schuyler	NYS	A Schulze	7/22	1941	2-41
		outlet	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7361
	<i>Potamogeton zosteriformis</i>	outlet	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7353
		outlet	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7353
	<i>Ranunculus flabellaris</i>	--	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7349
		outlet	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7349
	<i>Ranunculus longirostris</i>	--	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7347
		--	Schuyler	NYS	R McVaugh & OF Curtis Jr.	7/14	1937	7347
	<i>Scripus fluviatilis</i>	--	Schuyler	BH	R McVaugh & OF Curtis Jr	8/14	1937	7342
		east side	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7342
	<i>Scripus tabernaemontanii</i>	east side	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7336
		eastern part	Schuyler	NYS	R McVaugh	7/14	1937	7336
	<i>Spirodela polyrhiza</i>	outlet	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7328
		outlet	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7328
	<i>Utricularia vulgaris</i>	--	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7327
		outlet	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7327
	<i>Vallisneria americana</i>	shallow water	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7331
Lebanon Reservoir	<i>Alisma plantago-aquatica</i>	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/29	1935	4930
	<i>Potamogeton epihydrus</i>	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/29	1935	4853
	<i>Sagittaria latifolia</i>	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/29	1935	4936
Leland Pond	<i>Calla palustris</i>	marsh near Pecksport	Madison	NYS	HD House	6/13	1927	14148

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Leland Pond (continued)	<i>Myriophyllum verticillatum</i>	--	Madison	NYS	RL Crockett	7/22	1939	--
	--	--	Madison	NYS	RL Crockett	8/03	1937	--
		Pecksport	Madison	NYS	HD House	7/21	1919	6561
		Pecksport	Madison	NYS	HD House	7/27	1914	5753
	<i>Najas flexilis</i>	Pecksport	Madison	NYS	HD House	7/27	1914	5754
	<i>Nuphar lutea</i>	--	Madison	BH	WC Muenscher & RT Clausen	8/24	1935	5080
		Pecksport	Madison	NYS	HD House	7/27	1914	5757
	<i>Nymphaea odorata</i>	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/24	1935	5069
	<i>Peltandra virginica</i>	southern portion	Madison	NYS	HD House	9/23	1937	25259
	<i>Polygonum amphibium</i>	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/24	1935	5051
	<i>Potamogeton friesii</i>	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/24	1935	4868
		--	Madison	NYS	RL Crockett	7/23	1941	264
	<i>Potamogeton gramineus</i>	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/24	1935	4877
		--	Madison	BH	WC Muenscher & OF Curtis Jr	8/24	1935	4878
		--	Madison	NYS	RL Crockett	7/18	1935	1097
		--	Madison	NYS	WC Muenscher & OF Curtis Jr	8/24	1935	4877
		Pecksport	Madison	NYS	HD House	7/21	1919	6559
		southern part	Madison	NYS	HD House	9/01	1935	23174
	<i>Potamogeton illinoensis</i>	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/24	1935	4843
		--	Madison	NYS	WC Muenscher & OF Curtis Jr	8/24	1935	4843
	<i>Potamogeton natans</i>	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/24	1935	4884
		--	Madison	NYS	RL Crockett	8/29	1938	--
	<i>Potamogeton pectinatus</i>	Pecksport	Madison	NYS	RL Crockett	7/09	1944	--
		Pecksport	Madison	NYS	RL Crockett	7/18	1942	1098
	<i>Potamogeton praelongus</i>	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/24	1935	4900
		--	Madison	NYS	WC Muenscher & OF Curtis Jr	8/24	1935	4900
	<i>Potamogeton zosteriformis</i>	--	Madison	BH	HD House	9/01	1935	23175
	<i>Ranunculus longirostris</i>	Pecksport	Madison	NYS	HD House	7/27	1914	5737
	<i>Sagittaria latifolia</i>	--	Madison	BH	WC Muenscher, BI Brown & V Langdon	8/24	1944	21525
	<i>Scripus tabernaemontanii</i>	--	Madison	BH	WC Muenscher and OF Curtis Jr	8/24	1935	5008
	<i>Sparganium americanum</i>	Pecksport	Madison	NYS	HD House	7/21	1919	6562
		Pecksport	Madison	NYS	HD House	7/27	1914	5743
		Pecksport	Madison	NYS	HD House	8/29	1934	22134
	<i>Sparganium eurycarpum</i>	Pecksport	Madison	NYS	HD House	7/02	1915	5936
	<i>Utricularia intermedia</i>	Pecksport	Madison	NYS	HD House	6/09	1916	22129
	<i>Wolffia columbiana</i>	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/24	1935	5020
		Pecksport	Madison	BH	HD House	8/29	1934	22124
	<i>Zannichellia palustris</i>	--	Madison	BH	HD House	8/29	1934	--
		outlet	Madison	NYS	HD House	8/29	1934	22133
Little Sodus Bay	<i>Brasenia schreberi</i>	North Fair Haven	Cayuga	BH	Douglas	8/02	1915	4047
	<i>Myriophyllum sibiricum</i>	--	Cayuga	BH	C Atwood	7/14	1911	--
		Fair Haven	Cayuga	NYS	EC Ogden	8/18	1936	1575
	<i>Najas flexilis</i>	--	Cayuga	BH	SS Chase	July	1941	NY-90
	<i>Najas guadalupensis</i>	--	Cayuga	NYS	RT Clausen & WA Hinkey	8/11	1939	4259
		--	Cayuga	BH	RT Clausen & WA Hinkey	8/11	1939	4259
	<i>Nuphar lutea</i>	Little Sodus Creek	Cayuga	NYS	RT Clausen & WA Hinkey	8/19	1933	4437
	<i>Nuphar lutea</i>	Little Sodus Creek	Cayuga	BH	RT Clausen & WA Hinkey	8/19	1939	4437

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Little Sodus Bay (continued)	Potamogeton nodosus	--	Cayuga	BH	RT Clausen & WA Hinkey	8/11	1939	4163
	Potamogeton pusillus	--	Cayuga	NYS	RT Clausen & WA Hinkey	8/11	1939	4210
		east side	Cayuga	BH	RT Clausen & WA Hinkey	8/11	1939	4210
	Ranunculus longirostris	North Fair Haven	Cayuga	BH	KM Wiegand	6/26	1920	13523
	Sagittaria rigida	--	Cayuga	BH	RT Clausen & WA Hinkey	8/11	1939	4156
		--	Cayuga	NYS	HD House	8/10	1932	19682
		--	Cayuga	NYS	RT Clausen & WA Hinkey	8/11	1939	4156
		Fair Haven	Cayuga	BH	FR Wesley	7/09	1978	1297
	Scripus fluviatilis	--	Cayuga	BH	C Atwood	7/19	1908	--
		--	Cayuga	NYS	C Atwood	7/19	1908	--
	Typha angustifolia	Fair Haven	Cayuga	NYS	C Sheldon	7/27	1883	--
	Typha angustifolia	--	Cayuga	BH	RT Clausen & WA Hinkey	8/11	1939	4137
	Vallisneria americana	North Fair Haven	Cayuga	NYS	GE Douglas	8/02	1915	3478
Little York Lake	Bidens beckii	--	Cortland	BH	--	7/31	1886	--
	Heteranthera dubia	lower part	Cortland	NYS	EC Waldbauer	7/23	1969	--
	Hippuris vulgaris	--	Cortland	BH	--	7/03	1886	326
		--	Cortland	BH	KM Wiegand & R Jones	7/25	1917	8528
		--	Cortland	BH	WR Dudley	7/31	1886	--
	Myriophyllum sibiricum	--	Cortland	NYS	SJ Smith, EC Ogden & E Waldbauer	7/23	1969	44337
	Myriophyllum verticillatum	--	--	BH	AR Bechtel & KM Wiegand	6/25	1917	8529
	Najas flexilis	outlet	Cortland	BH	SS Chase	9/23	1942	NY-25
		outlet	Cortland	BH	SS Chase	9/24	1942	NY-26
		outlet	Cortland	BH	SS Chase	Aug	1941	NY-3
		Preble	Cortland	BH	EL Palmer	9/03	1913	623
	Nymphaea odorata	--	Cortland	BH	EL Palmer	8/04	1913	473
Potamogeton amplifolius	--	Cortland	BH	EL Palmer	8/04	1913	42	
Potamogeton natans	--	Cortland	BH	EL Palmer	8/04	1913	39	
Potamogeton pectinatus	--	Cortland	BH	WC Muenscher & OF Curtis Jr	8/26	1935	4896	
Potamogeton pusillus	--	Cortland	NYS	SJ Smith, E Ogden & E Waldbauer	7/23	1969	44338	
	Sagittaria latifolia	--	Cortland	BH	WC Muenscher & OF Curtis Jr	8/26	1935	4941
		north shore	Cortland	BH	AR Bechtel & KM Wiegand	7/25	1917	7488
	Sparganium americanum	--	Cortland	BH	EL Palmer	8/04	1913	34a
	Utricularia intermedia	--	Cortland	BH	KM Wiegand	6/07	1914	3132
Madison Lake	Heteranthera dubia	--	Madison	NYS	RL Crockett	7/15	1942	1020
	Potamogeton foliosus	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/24	1935	4859
		--	Madison	NYS	WC Muenscher & OF Curtis Jr	8/24	1935	4859
Miller Pond	Lemna trisulca	--	Chemung	NYS	R McVaugh & OF Curtis Jr	8/19	1937	7494
	Nymphaea odorata	--	Chemung	NYS	TF Lucy	7/10	1883	292
	Scripus tabernaemontanii	--	Chemung	NYS	R McVaugh & OF Curtis Jr	7/19	1937	7495
North Sandy Pond	Alisma plantago-aquatica	--	Oswego	NYS	N Hotchkiss	8/22	1928	3401
	Bidens beckii	--	Oswego	NYS	N Hotchkiss	8/25	1928	3439
	Brasenia schreberi	--	Oswego	NYS	N Hotchkiss	8/07	1928	3250
	Callitriche palustris	--	Oswego	NYS	N Hotchkiss	8/14	1928	3327
	Ceratophyllum demersum	--	Oswego	BH	ML Fernald, KM Wiegand & AJ Eames	8/25	1922	14286
		Blind Creek Cove	Oswego	NYS	N Hotchkiss	8/14	1928	3324

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
North Sandy Pond (continued)	Lemna trisulca	--	Oswego	BH RT	Clausen & WA Hinkey	8/63	1939	4373
		--	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	22a
		--	Oswego	NYS	N Hotchkiss	8/11	1928	3296
		--	Oswego	NYS	RT Clausen & WA Hinkey	8/06	1939	4373
	Myriophyllum heterophyllum	--	Oswego	BH	KM Wiegand	8/20	1928	17259
		--	Oswego	NYS	AT Hotchkiss	7/16	1946	--
		--	Oswego	NYS	N Hotchkiss	9/14	1928	3323
		--	Oswego	NYS	RL Crockett	7/17	1938	--
	Myriophyllum sibiricum	--	Oswego	BH	RT Clausen & WA Hinkey	8/06	1939	4470
		--	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	13
	Myriophyllum tenellum	--	Oswego	BH	RT Clausen & WA Hinkey	8/06	1939	4477
		--	Oswego	NYS	RT Clausen & WA Hinkey	8/06	1939	4477
	Najas flexilis	--	Oswego	NYS	N Hotchkiss	8/07	1928	3257
		--	Oswego	NYS	WW Rowlee & KM Wiegand	8/23	1902	--
		Sandy Creek	Oswego	BH	SS Chase	8/25	1942	NY-34
		Sandy Creek	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	--
	Najas guadalupensis	--	Oswego	NYS	N Hotchkiss	9/23	1938	6068
		--	Oswego	NYS	RT Clausen & WA Hinkey	8/06	1939	4258
		--	Oswego	BH	RT Clausen & WA Hinkey	8/06	1939	4258
		--	Oswego	BH	SS Chase & RT Clausen	8/25	1942	33
		--	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	7
	Nuphar lutea	--	Oswego	BH	KM Wiegand	8/20	1928	17214
		--	Oswego	BH	KM Wiegand	8/20	1928	17215
		--	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	2
		--	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	6
		--	Oswego	NYS	N Hotchkiss	8/07	1928	3253
		--	Oswego	NYS	N Hotchkiss	8/08	1928	3266
	Nymphaea odorata	--	Oswego	NYS	N Hotchkiss	8/07	1928	3251
	Pontederia cordata	--	Oswego	NYS	N Hotchkiss	7/21	1928	3048
	Potamogeton amplifolius	--	Oswego	NYS	N Hotchkiss	8/16	1928	3317
	Potamogeton crispus	--	Oswego	BH	RT Clausen & WA Hinkey	8/06	1939	4180
	Potamogeton epihydrus	Sandy Creek	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	--
		Sandy Creek	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	15
	Potamogeton foliosus	--	Oswego	NYS	N Hotchkiss	8/07	1928	3258
	Potamogeton gramineus	--	Oswego	NYS	AT Hotchkiss	7/17	1946	--
		--	Oswego	NYS	N Hotchkiss	8/08	1928	3263
	Potamogeton natans	--	Oswego	NYS	N Hotchkiss	8/07	1928	3254
	Potamogeton nodosus	--	Oswego	BH	RT Clausen & WA Hinkey	8/06	1939	4162
		--	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	21
		--	Oswego	NYS	RT Clausen & WA Hinkey	8/06	1939	4162
	Potamogeton pectinatus	--	Oswego	BH	RT Clausen & WA Hinkey	8/06	1939	4214
		--	Oswego	NYS	RT Clausen and WA Hinkey	8/06	1939	4214
	Potamogeton richardsonii	--	Oswego	BH	RT Clausen & WA Hinkey	8/06	1939	4231
		--	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	8
		--	Oswego	NYS	N Hotchkiss	8/08	1928	3259
		--	Oswego	NYS	RT Clausen & WA Hinkey	8/06	1939	4231
	Potamogeton robbinsii	--	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	12
		--	Oswego	NYS	N Hotchkiss	8/23	1928	3419

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
North Sandy Pond (continued)	<i>Sagittaria graminea</i>	--	Oswego	NYS	HD House	8/16	1932	19903
	<i>Sagittaria latifolia</i>	--	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	3
		--	Oswego	NYS	N Hotchkiss	9/12	1928	3646
	<i>Sagittaria rigida</i>	--	Oswego	NYS	N Hotchkiss	8/07	1928	3246
	<i>Scripus fluviatilis</i>	--	Oswego	NYS	N Hotchkiss	8/22	1928	3400
	<i>Scripus tabernaemontanii</i>	--	Oswego	NYS	HD House	8/17	1932	19967
		--	Oswego	NYS	N Hotchkiss	8/10	1928	3294
	<i>Sparganium americanum</i>	--	Oswego	NYS	AT Hotchkiss	7/16	1946	--
	<i>Sparganium eurycarpum</i>	--	Oswego	BH	ML Fernald, KM Wiegand & AJ Eames	8/25	1922	14078
		--	Oswego	NYS	N Hotchkiss	8/07	1928	3252
	<i>Spirodela polyrhiza</i>	--	Oswego	NYS	N Hotchkiss	8/08	1928	3261
	<i>Typha augustifolia</i>	--	Oswego	BH	KM Wiegand	8/25	1920	13341
		--	Oswego	BH	ML Fernald, KM Wiegand & AJ Eames	8/25	1922	14077
		--	Oswego	NYS	N Hotchkiss	7/21	1928	3050
	<i>Utricularia intermedia</i>	--	Oswego	NYS	HD House	8/17	1932	19994
	<i>Utricularia vulgaris</i>	--	Oswego	BH	KM Wiegand	8/20	1028	17298
		--	Oswego	NYS	HD House	8/17	1932	19974
		--	Oswego	NYS	N Hotchkiss	7/28	1928	3125
	<i>Vallisneria americana</i>	--	Oswego	NYS	AT Hotchkiss	7/17	1946	--
		--	Oswego	NYS	N Hotchkiss	8/08	1928	3260
		--	Oswego	NYS	RT Clausen & WA Hinkey	8/06	1939	4276
	<i>Zizania aquatica</i>	--	Oswego	NYS	N Hotchkiss	8/07	1928	3245
Oneida Lake	<i>Brasenia schreberi</i>	--	Oneida	NYS	MC Carter	July	1890	--
	<i>Callitriche palustris</i>	--	Madison	NYS	HD House	8/18	1925	11276
	<i>Ceratophyllum demersum</i>	--	Madison	BH	WC Muenscher	9/14	1922	14716
		--	Madison	BH	WC Muenscher, D Isely & BI Brown	8/06	1942	20482, 20481
		Bartell Road	Onondaga	NYS	ME Faust, SJ Smith & D Cox	6/20	1955	--
		Lewis Point	Madison	NYS	HD House	8/27	1934	22080
		South Bay	Madison	NYS	HD House	8/27	1934	22072
	<i>Elodea canadensis</i>	Bartell Road	Onondaga	NYS	ME Faust, D Cox & SJ Smith	6/20	1955	13773
		Lenox	Madison	NYS	JV Haberer	--	--	2616
		Three Mile Bay	Oswego	BH	WC Muenscher	8/23	1920	16906
	<i>Equisetum fluviatile</i>	Lakeport	Madison	NYS	HD House	6/15	1926	11762
		South Bay Road	Onondaga	NYS	ME Faust & NM Sadler	5/29	1951	12487
		Sylvan Beach	Oneida	NYS	HD House	6/04	1926	11522
	<i>Heteranthera dubia</i>	--	Madison	BH	JV Haberer	July	1883	979
		--	Oneida	BH	WC Muenscher	9/13	1922	14643
		--	Oneida	BH	WW Rowlee	9/43	1906	--
		Bridgeport	Madison	NYS	HD House	8/30	1935	23130
		canal into lake	Madison	NYS	RL Crockett	--	--	207
		Muskrat Bay	Onondaga	NYS	ME Faust & SJ Smith	9/17	1959	18854
	<i>Iris pseudoacorus</i>	Oneida Creek at Kenwood	Madison	NYS	HD House	6/15	1927	14250
	<i>Iris versicolor</i>	--	Madison	NYS	HD House	5-23	1918	A-6223
	<i>Isoetes echinospora</i>	mouth of Oneida Creek	Madison	NYS	BD Gilbert & JV Haberer	Aug	1885	--
	<i>Lemna minor</i>	Bartell Road	Onondaga	NYS	ME Faust, SJ Smith & D Cox	6/20	1955	13776
		South Bay	Madison	NYS	HD House	10/20	1926	13652

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Oneida Lake (continued)	Myriophyllum sibiricum	--	Madison	BH	JV Haberer	Aug	1903	--
		Bartell Road	Onondaga	NYS	ME Faust, SJ Smith & D Cox	6/20	1955	13775
		Bridgeport	Madison	NYS	HD House	8/30	1935	23129
		Lewis Point	Madison	NYS	JV Haberer	Aug	1903	--
		outlet	Oswego	NYS	CH Peck	Aug	--	--
		Shackleton Point	Madison	BH	WW Rowlee	9/07	1906	--
	Myriophyllum verticillatum	Lewis Point	Madison	NYS	HD House	8/27	1934	22083
	Najas flexilis	--	--	BH	--	AUG	1866	--
		--	Madison	BH	JV Haberer	8/03	1903	983
		--	Madison	NYS	HD House	8/30	1935	23128
		--	Oswego	BH	SS Chase	Aug	1941	NY-4
		--	Oswego	NYS	RT Clausen	8/02	1941	5486
		Bartell Road	Onondaga	NYS	ME Faust, SJ Smith & D Cox	6/20	1955	13771
		Messenger Bay	Madison	NYS	JV Haberer	8/01	1902	1531
		Messenger Bay	Madison	NYS	JV Haberer	8/25	1903	983
		Phillips Point, Constantia	Oswego	BH	RT Clausen	8/02	1941	5486
		Three Mile Bay	Oswego	BH	WC Muenscher	8/23	1927	16811
		western end	Oswego	BH	SS Chase	8/24	1942	NY-28
	Nuphar lutea	--	--	NYS	CH Peck	--	--	--
		--	Madison	BH	WC Muenscher, D Isely & BI Brown	8/06	1942	20527
		--	Oswego	BH	WC Muenscher	8/23	1927	16959
		--	Oswego	BH	WC Muenscher	8/23	1927	16960
	Nymphaea odorata	--	--	NYS	CH Peck	Aug	--	--
		--	--	NYS	MC Carter	June	1894	--
		South Bay	Onondaga	NYS	CH Peck	--	--	--
	Peltandra virginica	mouth of Oneida Creek	Madison	NYS	HD House	6/06	1927	14003
		Muskrat Bay	Onondaga	NYS	ME Faust, D Cox & SJ Smith	6/20	1955	13762
	Pontederia cordata	Cleveland	Oswego	NYS	HD House	8/28	1935	23081
		South Bay	Madison	NYS	JV Haberer	July	1904	1438
		south bay	Onondaga	BH	KM Wiegand	8/21	1916	6133
		South Bay	Onondaga	NYS	ME Faust	8/31	1945	7165
	Potamogeton filiformis	Cleveland	Oswego	BH	WC Muenscher	8/23	1927	16849
		Constantia	Oswego	BH	WC Muenscher	8/24	1927	16851
		Three Mile Bay	--	BH	WC Muenscher, WT Winne & D Isely	6/29	1941	20335
	Potamogeton friesii	Daman Point	--	BH	WC Muenscher	8/23	1927	16858
	Potamogeton gramineus	--	Oswego	BH	WW Rowlee	9/07	1906	--
		Boysens Bay	Onondaga	NYS	LM Cole	7/07	1928	38
		Costantia	--	BH	WC Muenscher	8/23	1927	16862
		Daman Point	--	BH	WC Muenscher	8/23	1927	16861
	Potamogeton illinoensis	--	--	NYS	CH Peck	--	--	--
		--	Madison	NYS	CH Peck	--	--	--
		--	Madison	NYS	N Hotchkiss	9/17	1938	6063
		--	Madison	NYS	N Hotchkiss	9/23	1938	6067
		--	Onondaga	NYS	CH Peck	--	--	--
		Constantia	Oswego	BH	WC Muenscher	8/26	1927	16829
		Daman Point	Madison	BH	WC Muenscher	8/23	1927	16830

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Oneida Lake (continued)	Potamogeton natans	Lakeport	Madison	NYS	CH Peck	7/15	1904	--
	(continued)	South Bay	Onondaga	NYS	ME Faust & NM Sadler	8/31	1945	7184
	Potamogeton nodosus	South Bay	Madison	BH	WC Muenscher	9/14	1922	14532
		South Bay	Madison	NYS	HD House	8/19	1917	--
	Potamogeton pectinatus	--	Oneida	BH	WC Muenscher	9/13	1922	14537
		--	Oneida	BH	WW Rowlee	9/07	1906	--
		--	Oswego	BH	WC Muenscher & BI Brown	8/23	1945	21655
		Bartell Road	Onondaga	NYS	ME Faust, D Cox & SJ Smith	6/20	1955	13771
		Cleveland	Oswego	NYS	HD House	8/28	1935	23084
		Messengers Bay	Madison	NYS	JV Haberer	8/16	1900	995
	Potamogeton perfoliatus	--	Oswego	BH	WC Muenscher	8/23	1927	16836
		Constantia	Oswego	BH	WC Muenscher	8/24	1927	16835
		Daman Point	--	BH	WC Muenscher	8/23	1927	16838
		Daman Point	--	BH	WC Muenscher	8/23	1927	16840
		Three Mile Bay	Oswego	BH	WC Muenscher	8/23	1927	16834
	Potamogeton praelongus	outlet	Onondaga	NYS	CH Peck	--	--	--
	Potamogeton pusillus	Bartell Road	Onondaga	NYS	ME Faust, D Cox & SJ Smith	6/20	1955	13771
		Cleveland	Oswego	BH	WC Muenscher	8/23	1927	16878
	Potamogeton richardsonii	--	--	NYS	CH Peck	--	--	--
		--	Oneida	BH	WC Muenscher	9/13	1922	14534
		--	Onondaga	BH	ME Faust	6/20	1955	13722
		--	Oswego	NYS	HD House	8/28	1935	23083
		Bartell Road	Onondaga	NYS	ME Faust	7/20	1955	--
		Cleveland	Oswego	BH	WW Rowlee	9/04	1906	--
		Constantia	Oswego	BH	WC Muenscher	8/24	1927	16892
		Constantia	Oswego	BH	WC Muenscher & BI Brown	8/23	1945	21657
		Shackleton Point	Madison	BH	WW Rowlee	9/07	1906	--
		Three Mile Bay	Oswego	BH	WC Muenscher	8/23	1927	16893
	Potamogeton strictifolius	--	--	NYS	CH Peck	Aug	--	--
		Bartell Road	Onondaga	NYS	ME Faust, SJ Smith & D Cox	6/20	1955	12768
	Potentilla palustris	Three Mile Bay	Madison	BH	WC Muenscher, WT Winne & D Isely	6/29	1941	20406
	Sagittaria graminea	Upper South Bay	Madison	NYS	JV Haberer	July	1883	979
	Sagittaria rigida	--	Madison	BH	WC Muenscher, BI Brown & D Isely	8/06	1942	20491
		--	Madison	NYS	HD House	9/07	1929	17192
		--	Onondaga	BH	KM Wiegand	8/21	1916	5490
		--	Oswego	NYS	HD House	8/20	1933	20792
		Muskrat Bay	Onondaga	NYS	ME Faust & SJ Smith	9/17	1959	13853a
	Scripus fluviatilis	Shores	Madison	NYS	JV Haberer	July	1884	1176
	Scripus tabernaemontanii	--	Madison	BH	AH Curtiss	Aug	1966	--
	Sparganium americanum	shallow water near Cleveland	Oswego	NYS	HD House	7/13	1929	16580
	Sparganium eurycarpum	--	Madison	NYS	HD House	7/03	1929	16287
		Lewis Point	Madison	BH	HD House	6/14	1927	14206
		Lewis Point	Madison	NYS	HD House	7/14	1927	14206
	Spiródela polyrhiza	--	Madison	BH	HD House	8/27	1934	22073
		--	Madison	NYS	HD House	8/27	1934	22073
		--	Madison	NYS	HD House	8/27	1934	22084
		--	Oswego	BH	HD House	8/20	1933	20798

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Oneida Lake (continued)	<i>Typha angustifolia</i>	--	--	BH	TG Hughes	Aug	1966	--
		Castle Swamp	Madison	NYS	HD House	7/19	1913	5219
		North Bay	Oneida	BH	WC Muenscher	9/15	1922	14529
		South Bay	Madison	BH	WC Muenscher	9/14	1922	14530
		South Bay	Madison	NYS	HD House	7/15	1918	--
		Three Mile Bay	--	BH	WC Muenscher, WT Winne & D Isely	6/29	1941	20327
	<i>Utricularia intermedia</i>	--	--	NYS	WA Hinds	7/01	1873	--
	<i>Vallisneria americana</i>	--	--	BH	WW Rowlee	9/07	1906	--
		Lewis Point	Madison	NYS	HD House	8/27	1934	22082
		North Bay	--	BH	WC Muenscher	9/15	1922	14552
		North Bay	--	BH	WC Muenscher	9/15	1922	14553
		off Sylvan Beach Lighthouse	--	BH	WC Muenscher	9/13	1922	14551
		South Bay	Madison	BH	WC Muenscher & BI Brown	8/23	1945	21650
		South Bay	Madison	BH	WC Muenscher & BI Brown	8/23	1945	21651
		South Bay	Madison	NYS	JV Haberer	Aug	1903	860
		South Bay lagoon	--	BH	KM Wiegand	8/21	1916	5491
		Three Mile Bay	--	BH	WC Muenscher	8/23	1927	16909
<i>Zannichellia palustris</i>		--	Onondaga	NYS	ME Faust, D Cox & SJ Smith	6/20	1955	13769
Onondaga Lake	<i>Zizania aquatica</i>	Three Mile Bay	Oswego	BH	WC Muenscher	--	1927	16919
	<i>Ceratophyllum demersum</i>	--	Onondaga	BH	WW Rowlee & HH Smith	9/13	1906	--
	<i>Heteranthera dubia</i>	--	Onondaga	NYS	ML Overacker	Sept	1886	--
	<i>Najas flexilis</i>	--	Onondaga	BH	WW Rowlee	--	1907	--
		salt marsh at Liverpool	Onondaga	BH	WW Rowlee & HH Smith	9/13	1906	--
	<i>Potamogeton pectinatus</i>	at Salina	Onondaga	NYS	JV Haberer	Aug	1877	1000
		at Salina	Onondaga	NYS	JV Haberer	July	1877	993
		salt swimming pool, Onondaga Lake Parkway	Onondaga	NYS	ME Faust and NM Sadler	8/03	1949	11807
	<i>Potamogeton perfoliatus</i>	--	Onondaga	NYS	ME Faust & NM Sadler	9/23	1943	5359a
		salt marsh at Liverpool	--	BH	WW Rowlee & HH Smith	9/13	1906	--
	<i>Sagittaria rigida</i>	Nine Mile Creek inlet	Onondaga	NYS	LM Underwood	Aug	1880	--
	<i>Scripus tabernaemontanii</i>	salt marshes	Onondaga	NYS	CS Sheldon	7/22	1880	--
	<i>Spirodela polyrhiza</i>	Syracuse	Onondaga	NYS	LM Underwood	Aug	1875	--
<i>Typha angustifolia</i>	--	Onondaga	BH	WC Muenscher & BI Brown	8/26	1945	21642	
	--	Onondaga	NYS	H Wiffe	--	1871	--	
Otisco Lake	<i>Zannichellia palustris</i>	--	Onondaga	NYS	JA Paine	--	--	--
	<i>Ceratophyllum demersum</i>	--	Onondaga	BH	WC Muenscher & RT Clausen	7/17	--	19537
	<i>Equisetum fluviatile</i>	--	Onondaga	BH	WC Muenscher & RT Clausen	7/17	1936	19531
	<i>Polygonum amphibium</i>	--	Onondaga	BH	WC Muenscher & RT Clausen	7/16	1936	2226
		south end	Onondaga	BH	WC Muenscher & RT Clausen	7/17	1936	19539
	<i>Potamogeton crispus</i>	--	Onondaga	BH	WC Muenscher & RT Clausen	7/17	1936	19563
	<i>Potamogeton epihydrus</i>	--	Onondaga	HH	EH Eaton	8/09	1927	--
	<i>Potamogeton foliosus</i>	head	--	BH	--	8/02	1896	1001
	<i>Potamogeton nodosus</i>	--	Onondaga	BH	WC Muenscher & RT Clausen	7/17	1936	19562
	<i>Potamogeton pectinatus</i>	southeast	Onondaga	BH	WC Muenscher & RT Clausen	7/15	1936	19568
	<i>Ranunculus trichophyllus</i>	--	Onondaga	BH	WC Muenscher & RT Clausen	7/17	1936	19538
	<i>Scripus fluviatilis</i>	--	Onondaga	BH	WC Muenscher & RT Clausen	7/17	1936	19534
	--	--	Onondaga	BH	WC Muenscher & RT Clausen	7/17	1936	2228

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Otter Lake	<i>Peltandra virginica</i>	Cato	Cayuga	BH	KM Wiegand	7/02	1916	6117
Owasco Lake	<i>Alisma plantago-aquatica</i>	head of lake	--	BH	PO Rhodes	8/15	1890	--
	<i>Myriophyllum sibiricum</i>	--	Cayuga	BH	C Atwood	8/04	1879	--
	<i>Najas flexilis</i>	--	--	BH	C Atwood	July	1882	--
	<i>Polygonum amphibium</i>	head	Cayuga	BH	C Atwood	8/20	1927	--
	<i>Potamogeton filiformis</i>	Moravia	Cayuga	BH	C Atwood	Aug	--	--
	<i>Potamogeton gramineus</i>	--	Cayuga	BH	--	Aug	1880	--
	<i>Potamogeton illinoensis</i>	--	Cayuga	BH	RT Clausen & ER Clausen	8/30	1950	8024
	<i>Potamogeton natans</i>	--	Cayuga	BH	C Atwood	8/04	1879	--
	<i>Potamogeton nodosus</i>	--	Cayuga	BH	C Atwood	8/18	1911	--
		Moravia inlet	Cayuga	BH	--	Aug	1880	--
	<i>Potamogeton pectinatus</i>	--	Cayuga	BH	C Atwood	8/04	1879	--
	<i>Ranunculus flabellaris</i>	--	Cayuga	BH	C Atwood	9/27	1908	--
	<i>Sagittaria cuneata</i>	--	Cayuga	BH	C Atwood	8/04	1882	--
	<i>Sagittaria latifolia</i>	--	Cayuga	BH	I Howland	7/29	1880	--
		Island Park	Cayuga	BH	C Atwood	8/18	1911	--
		lakeshore at Cascade	Cayuga	BH	WC Muenscher & RT Clausen	7/17	1936	19545
	<i>Scripus fluviatilis</i>	--	Cayuga	BH	WC Muenscher & RT Clausen	7/17	1936	19555
		inlet	Cayuga	BH	PC Curtice	7/20	1881	--555
Port Bay	<i>Azolla caroliniana</i>	--	Wayne	NYS	RT Clausen & WA Hinkey	8/16	1939	4127
	<i>Elodea canadensis</i>	--	Wayne	FLH	BA Gilman	6/28	1988	--
	<i>Heteranthera dubia</i>	--	Wayne	FLH	BA Gilman	6/28	1988	--
	<i>Lemna trisulca</i>	--	Wayne	FLH	BA Gilman	6/28	1988	--
	<i>Myriophyllum spicatum</i>	--	Wayne	FLH	BA Gilman	6/28	1988	--
	<i>Myriophyllum verticillatum</i>	--	Wayne	FLH	BA Gilman	6/28	1988	--
	<i>Najas flexilis</i>	--	Wayne	FLH	BA Gilman	6/28	1988	--
	<i>Najas guadalupensis</i>	--	Wayne	FLH	BA Gilman	6/28	1988	--
	<i>Potamogeton pectinatus</i>	--	Wayne	FLH	BA Gilman	6/28	1988	--
	<i>Potamogeton richardsonii</i>	--	Wayne	FLH	BA Gilman	6/28	1988	--
	<i>Potamogeton zosteriformis</i>	--	Wayne	FLH	BA Gilman	6/28	1988	--
	<i>Scripus tabernaemontanii</i>	--	Wayne	NYS	RT Clausen & OF Curtis Jr	8/16	1939	4354
	<i>Vallisneria americana</i>	--	Wayne	FLH	BA Gilman	6/28	1988	--
Sandy Pond	<i>Equisetum fluviatile</i>	--	Oswego	BH	R Dirig	11/29	1981	496
		--	Oswego	BH	R Dirig	2/11	1982	780
	<i>Potamogeton amplifolius</i>	North Creek	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	10
	<i>Potamogeton crispus</i>	--	Oswego	NYS	RL Crockett	7/14	1940	227
	<i>Potamogeton illinoensis</i>	--	Oswego	NYS	RL Crockett	8/05	1938	--
	<i>Potamogeton richardsonii</i>	--	Oswego	NYS	RL Crockett	7/18	1937	--
		--	Oswego	NYS	RL Crockett	7/22	1939	--
	<i>Potamogeton zosteriformis</i>	--	Oswego	NYS	RL Crockett	7/14	1940	222
	<i>Ranunculus longirostris</i>	--	Oswego	NYS	RL Crockett	7/23	1939	--
Seneca Lake	<i>Alisma plantago-aquatica</i>	--	--	BH	NW Folwell	--	1831	32
	<i>Bidens beckii</i>	inlet	Schuyler	NYS	RL Crockett	--	--	--
	<i>Callitriche palustris</i>	head of lake	Schuyler	BH	NW Folwell	--	1831-32	424
	<i>Elodea canadensis</i>	--	Seneca	BH	--	--	1831	35
		Kashong Bay	Ontario	FLH	BA Gilman	8/12	1980	--
		Kashong Bay	Ontario	HH	C Smith	8/12	1980	1-
	<i>Heteranthera dubia</i>	--	--	HH	EH Eaton	9/04	1930	E196
		Kashong Bay	Ontario	FLH	BA Gilman	8/12	1980	--

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Seneca Lake (continued)	<i>Myriophyllum spicatum</i>	Kashong Bay	Ontario	FLH BA Gilman		8/12	1980	--
	<i>Najas flexilis</i>	Kashong Bay	Ontario	FLH BA Gilman		8/12	1980	--
		Kashong Bay	Ontario	FLH C Smith		8/19	1980	--
	<i>Potamogeton amplifolius</i>	Geneva boathouses	Ontario	BH PR Burkholder		9/08	1927	16821
	<i>Potamogeton crispus</i>	--	--	BH T Morong		8/16	1884	--
		--	--	HH EH Eaton		9/04	1930	E127
		--	--	NYS CH Peck		--	--	--
		--	Schuyler	NYS WC Muenscher & PR Burkholder		9/06	1937	16846
		Kashong Bay	Ontario	FLH BA Gilman		June	1979	--
		west shore	Schuyler	BH WC Muenscher & PR Burkholder		9/06	1927	16846
	<i>Potamogeton filiformis</i>	--	--	BH KM Wiegand & AJ Eames		7/27	1919	11187
		6 miles south of north end	--	BH WC Muenscher & PR Burkholder		8/18	1927	16852
		Kashong Bay	Ontario	HH C Smith		8/19	1980	5
		Kashong Glen	Ontario	FLH BA Gilman		8/12	1980	--
		mouth of Reeder Creek	Seneca	NYS WC Muenscher & PR Burkholder		8/18	1927	16852
		near outlet	--	BH WR Dudley		7/23	1886	--
		near the outlet	Seneca	NYS WR Dudley		7/23	1886	--
	<i>Potamogeton friesii</i>	--	--	NYS CH Peck		Aug	--	--
	<i>Potamogeton gramineus</i>	--	--	BH NW Folwell		--	1831	28
		--	--	NYS CH Peck		--	--	--
		--	Schuyler	BH WC Muenscher & PR Burkholder		9/06	1927	16863
	<i>Potamogeton illinoensis</i>	--	Seneca	NYS CH Peck		--	--	--
	<i>Potamogeton natans</i>	se corner	Schuyler	BH WC Muenscher		8/20	1927	16868
	<i>Potamogeton nodosus</i>	head of lake	Schuyler	BH NW Folwell		--	1831	26
	<i>Potamogeton obtusifolius</i>	Kashong Bay	Ontario	FLH BA Gilman		July	1980	--
	<i>Potamogeton pectinatus</i>	--	--	BH T Morong		8/15	1884	--
		--	--	FLH T Morong		8/14	1884	--
		--	--	HH EH Eaton		9/04	1930	E 157
		--	--	NYS CH Peck		Aug	--	--
		--	Seneca	BH AJ Eames & KM Wiegand		7/27	1919	11191
		--	Seneca	BH PR Burkholder		9/08	1927	16877
		Kashong Bay	Ontario	FLH BA Gilman		8/12	1980	--
		near Geneva	--	FLH MS Baxter		7/25	1921	--
		west shore	Schuyler	BH WC Muenscher & PR Burkholder		9/06	1927	16875
	<i>Potamogeton perfoliatus</i>	--	Schuyler	BH WC Muenscher		8/20	1927	16831
		--	Schuyler	BH WC Muenscher & PR Burkholder		9/06	1927	16839
		--	Yates	BH WC Muenscher & PR Burkholder		9/07	1927	16832
	<i>Potamogeton pusillus</i>	--	--	HH EH Eaton		9/04	1930	E 153
		at Geneva boathouses	Ontario	BH PR Burkholder		9/08	1927	16882
		Kashong Bay	Ontario	FLH BA Gilman		8/12	1980	--
	<i>Potamogeton richardsonii</i>	--	--	NYS CH Peck		--	--	--
		--	Yates	NYS W Phillips		7/30	1933	371
		Hector Falls	Schuyler	BH PR Burkholder & W Tressler		8/20	1927	16889
		Kashong Bay	Ontario	FLH BA Gilman		8/12	1980	--
		Kashong Bay	Ontario	HH C Smith		8/12	1980	2
		outlet	Cayuga	BH --		7/24	1886	--
		south of Dresden	Yates	BH WC Muenscher & PR Burkholder		9/06	1927	16890
	<i>Potamogeton strictifolius</i>	Kashong Bay	Ontario	FLH C Smith		8/12	1980	--

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER	
Seneca Lake (continued)	<i>Ranunculus flabellaris</i>	Ovid	Seneca	BH	NW Folwell	5/19	1832	339	
	<i>Ranunculus longirostris</i>	--	Schuyler	BH	NW Folwell	--	1831	340	
	<i>Sagittaria latifolia</i>	head of lake	Schuyler	BH	NW Folwell	--	1831	33	
	<i>Scripus tabernaemontanii</i>	--	Seneca	BH	NW Folwell	--	1831	232	
		Havana Glen outlet	Schuyler	NYS	SJ Smith & E Ogden	7/17	1956	20710	
	<i>Sparganium eurycarpa</i>	--	--	NYS	CH Peck	--	--	--	
	<i>Sparganium eurycarpum</i>	Geneva	Ontario	FLH	JW Chickering	6/19	1858	--	
	<i>Typha latifolia</i>	marshes south of Watkins Glen	Schuyler	NYS	SJ Smith & T Weaver	8/07	1950	7085	
	<i>Utricularia vulgaris</i>	head	Schuyler	BH	NW Folwell	--	1831	569	
	<i>Zannichellia palustris</i>	Kashong Bay	Ontario	FLH	BA Gilman	8/12	1980	--	
	<i>Zizania aquatica</i>	head of lake	Schuyler	BH	NW Folwell	--	1831	139	
		head of lake	Schuyler	NYS	NW Folwell	--	1831	139	
	Seneca River	<i>Azolla caroliniana</i>	Erie Canal	Seneca	NYS	EH Eaton	7/13	1930	--
		<i>Elodea canadensis</i>	in canal	Seneca	BH	PR Burkholder	8/18	1927	16908
		<i>Myriophyllum sibiricum</i>	--	Cayuga	BH	--	7/28	1875	322
		<i>Myriophyllum spicatum</i>	near Waterloo	Seneca	NYS	RA Ulrich	7/25	1960	--
		<i>Potamogeton friesii</i>	canal near Waterloo	Seneca	BH	PR Burkholder & W Tressler	7/18	1927	16857
		canal near Waterloo	Seneca	BH	PR Burkholder & W Tressler	8/18	1927	16859	
<i>Potamogeton nodosus</i>		outlet to lake	Seneca	BH	T Morong	8/14	1884	--	
<i>Potamogeton pectinatus</i>		Barge Canal at Waterloo	Seneca	NYS	WC Muenscher, PR Burkholder & W Tressler	8/18	1927	16872	
<i>Potamogeton richardsonii</i>		Barge Canal	Seneca	NYS	PR Burkholder & W Tressler	8/18	1927	16888	
<i>Ranunculus longirostris</i>		--	Seneca	NYS	--	July	1897	--	
		in canal	Seneca	BH	PR Burkholder & W Tressler	7/18	1927	16965	
<i>Trapa natans</i>		old canal bed	Seneca	BH	Ward	10/08	1950	--	
<i>Vallisneria americana</i>		near Savannah	Wayne	NYS	CH Peck	--	--	--	
Silver Lake		<i>Bidens beckii</i>	inlet	Wyoming	BH	WC Muenscher & PR Burkholder	8/25	1926	16767
		<i>Ceratophyllum demersum</i>	--	Wyoming	BH	WC Muenscher & PR Burkholder	8/25	1926	16567
		<i>Elodea canadensis</i>	inlet	Wyoming	BH	WC Muenscher	8/25	1926	16369
			west shore	Wyoming	BH	WC Muenscher	8/26	1926	16368
	<i>Lemna minor</i>	--	Wyoming	BH	WC Muenscher & PR Burkholder	8/25	1926	16481	
	<i>Myriophyllum sibiricum</i>	--	Wyoming	BH	WC Muenscher & PR Burkholder	8/26	1926	16692	
	<i>Najas flexilis</i>	--	Wyoming	BH	WC Muenscher & PR Burkholder	8/26	1926	16398	
		Perry	--	BH	WC Muenscher & PR Burkholder	8/25	1926	16399	
	<i>Nuphar lutea</i>	--	Wyoming	BH	WC Muenscher & PR Burkholder	8/25	1926	16571	
	<i>Nymphaea odorata</i>	--	Wyoming	BH	WC Muenscher & PR Burkholder	8/25	1926	16568	
	<i>Potamogeton amplifolius</i>	north end	Wyoming	BH	WC Muenscher & PR Burkholder	Aug	1926	16401	
		south end	Wyoming	BH	WC Muenscher & PR Burkholder	8/26	1926	16402	
	<i>Potamogeton crispus</i>	--	Wyoming	BH	AH Wright, WC Muenscher & PR Burkholder	8/25	1926	16408	
	<i>Potamogeton epihydrus</i>	--	Wyoming	BH	DS Jordan	9/01	1870	--	
		northeast	Wyoming	BH	WC Muenscher & PR Burkholder	8/25	1926	16412	
	<i>Potamogeton foliosus</i>	--	Wyoming	BH	WC Muenscher & PR Burkholder	8/27	1926	16415	
		west shore	Wyoming	BH	WC Muenscher & PR Burkholder	8/26	1926	16416	
	<i>Potamogeton gramineus</i>	--	Wyoming	BH	JR Greeley	8/16	1926	16417	
	<i>Potamogeton illinoensis</i>	--	Wyoming	NYS	JF Coles	8/01	1900	--	
		--	Wyoming	NYS	WC Muenscher & PR Burkholder	Aug	1926	16401	
<i>Potamogeton pectinatus</i>	--	Wyoming	BH	WC Muenscher & PR Burkholder	8/26	1926	16421		
<i>Potamogeton richardsonii</i>	south end	Wyoming	BH	WC Muenscher & PR Burkholder	8/26	1926	16424		

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER	
Silver Lake (continued)	<i>Spirodela polyrhiza</i>	--	Wyoming	BH	WC Muenscher & PR Burkholder	8/25	1926	16481	
	<i>Vallisneria americana</i>	south end	Wyoming	BH	WC Muenscher & PR Burkholder	8/26	1926	16433	
		west shore	Wyoming	BH	WC Muenscher & PR Burkholder	8/26	1926	16432	
Six Mile Creek	<i>Elodea canadensis</i>	--	Tompkins	BH	LJ Sweetland	7/23	1897	--	
	<i>Hydrocotyle americana</i>	Ithaca	Tompkins	NYS	CS Sheldon	10/01	1879	--	
	<i>Potamogeton epihydrus</i>	--	Tompkins	BH	EL Palmer	7/04	1913	40	
	<i>Scripus tabernaemontanii</i>	--	Tompkins	BH	AJ Eames, LH MacDaniela & KM Wiegand	7/12	1913	197	
Skaneateles Lake	<i>Alisma plantago-aquatica</i>	--	--	BH	FL Kilborne	8/20	1879	--	
	<i>Elodea canadensis</i>	--	Cortland	NYS	WC Muenscher & RT Clausen	7/17	1936	2237	
		--	Onondaga	BH	WC Muenscher & RT Clausen	7/17	1936	19546	
	<i>Najas flexilis</i>	--	--	BH	WC Muenscher & RT Clausen	7/16	1936	19541	
	<i>Nuphar lutea</i>	--	Onondaga	BH	WC Muenscher & RT Clausen	7/17	1936	19558	
	<i>Potamogeton friesii</i>	--	Onondaga	BH	WC Muenscher	7/17	1936	19564	
		--	Onondaga	BH	WC Muenscher & RT Clausen	7/17	1936	19543	
	<i>Potamogeton gramineus</i>	--	Onondaga	BH	WC Muenscher	7/17	1936	19565	
	<i>Potamogeton illinoensis</i>	--	Onondaga	NYS	KM Wiegand	10/09	1949	7916	
		west side	Onondaga	BH	KM Wiegand	10/09	1949	7916	
	<i>Potamogeton natans</i>	--	Cortland	BH	WC Muenscher & RT Clausen	7/17	1936	19567	
		--	Cortland	BH	WC Muenscher & RT Clausen	7/17	1936	2238	
	<i>Potamogeton pectinatus</i>	--	Cortland	BH	WC Muenscher & RT Clausen	7/17	1936	2235	
		--	Onondaga	BH	WC Muenscher & RT Clausen	7/15	1936	19542	
	<i>Potamogeton perfoliatus</i>	--	Onondaga	NYS	E Hoag	8/07	1949	--	
	<i>Potamogeton pusillus</i>	--	--	BH	WC Muenscher & RT Clausen	7/17	1936	19544	
		--	Cortland	BH	WC Muenscher & RT Clausen	7/17	1936	2240	
	<i>Potamogeton richardsonii</i>	--	Cortland	BH	WC Muenscher & RT Clausen	7/17	1936	2236	
		--	Onondaga	BH	WC Muenscher & RT Clausen	7/17	1936	19570	
	<i>Ranunculus longirostris</i>	--	Cortland	BH	WC Muenscher & RT Clausen	7/17	1936	2242	
	<i>Ranunculus trichophyllus</i>	--	Onondaga	BH	WC Muenscher & RT Clausen	7/17	1936	19560	
	<i>Sagittaria latifolia</i>	shores	--	BH	FL Kilborne	8/20	1879	--	
	<i>Scripus tabernaemontanii</i>	--	Onondaga	BH	WC Muenscher and RT Clausen	7/17	1936	19556	
	Sodus Bay	<i>Alisma plantago-aquatica</i>	--	Wayne	NYS	HD House	8/10	1932	19657
		<i>Azolla caroliniana</i>	--	Wayne	FLH	BA Gilman	June	1985	--
			--	Wayne	NYS	EL Hankenson	--	--	--
		<i>Bidens beckii</i>	--	Wayne	BH	CH Stuart	8/30	1989	--
			--	Wayne	BH	RT Clausen & WA Hinkey	8/15	1939	4509
			--	Wayne	NYS	RL Crockett	9/02	1944	7439
			bay of Second Creek	Wayne	BH	RT Clausen & WA Hinkey	8/15	1939	546
		<i>Butomus umbellatus</i>	--	Wayne	FLH	BA Gilman	June	1985	--
			--	Wayne	NYS	N Hotchkiss	9/12	1960	7680
<i>Ceratophyllum demersum</i>		--	Wayne	FLH	BA Gilman	June	1985	--	
<i>Heteranthera dubia</i>		--	Wayne	BH	RT Clausen & WA Hinkey	8/15	1939	4384	
		--	Wayne	NYS	RT Clausen & WA Hinkey	8/15	1939	4384	
<i>Lemna minor</i>		--	Wayne	FLH	BA Gilman	June	1985	--	
<i>Lemna trisulca</i>		--	Wayne	BH	C Atwood	7/21	1911	--	
		--	Wayne	BH	RL Crockett	9/02	1944	7434	
		--	Wayne	FLH	BA Gilman	June	1985	--	
		--	Wayne	NYS	HD House	8/12	1916	--	
		--	Wayne	NYS	RL Crockett	8/02	1944	7434	

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Sodus Bay (continued)	Myriophyllum spicatum	--	Wayne	NYS	N Hotchkiss	9/12	1960	7675
	(continued)	Wintergreen Point	Wayne	NYS	WH Dean	7/10	1960	--
	Najas flexilis	--	Wayne	BH	SS Chase	July	1941	NY-92
		northeast end	Wayne	BH	--	8/15	1939	4251
	Najas guadalupensis	--	Wayne	FLH	BA Gilman	June	1985	--
		--	Wayne	NYS	RT Clausen & WA Hinkey	8/15	1939	4260
		--	Wayne	NYS	RT Clausen & WA Hinkey	8/17	1939	4261
		--	Wayne	BH	RT Clausen & WA Hinkey	8/15	1939	4260
		--	Wayne	BH	RT Clausen & WA Hinkey	8/17	1939	4261
		--	Wayne	BH	SS Chase	Aug	1941	19
	Nelumbo lutea	--	Wayne	BH	MS Baxter	8/24	1897	--
		--	Wayne	BH	RT Clausen & WA Hinkey	8/17	1939	4430
		--	Wayne	BH	Watson	8/18	1880	--
		--	Wayne	NYS	CH Peck	--	--	--
		--	Wayne	NYS	EL Hankenson	8/15	1864	--
		--	Wayne	NYS	GT Fish	Aug	1870	--
		--	Wayne	NYS	HD House	8/12	1916	--
		--	Wayne	NYS	JH Wibbe	Aug	1882	--
		--	Wayne	NYS	TF Lucy	7/21	1892	281
	Nuphar lutea	--	Wayne	BH	CH Stuart	--	1960	--
		--	Wayne	BH	WC Muenscher, KM Wiegand & AH Wright	7/02	1924	15477
	Nymphaea odorata	--	Wayne	NYS	EL Hankenson	--	1868	--
		--	Wayne	NYS	HD House	8/12	1916	--
	Pontederia cordata	--	Wayne	BH	CH Stuart	8/30	1989	--
	Potamogeton amplifolius	south end	Wayne	BH	RT Clausen & WA Hinkey	8/17	1939	4176
		west side	Wayne	BH	RT Clausen & WA Hinkey	8/15	1939	4175
	Potamogeton gramineus	Sand Point	Wayne	BH	RT Clausen & WA Hinkey	8/15	1939	4199
		Third Creek Bay	Wayne	BH	RT Clausen & WA Hinkey	8/15	1939	4200
	Potamogeton nodosus	--	Wayne	BH	RT Clausen & WA Hinkey	8/16	1939	4164
		--	Wayne	BH	RT Clausen & WA Hinkey	8/16	1939	4164
	Potamogeton pectinatus	--	Wayne	BH	CH Stuarts	8/25	1889	--
		Third Creek	Wayne	BH	RT Clausen & WA Hinkey	8/15	1939	4216
	Potamogeton perfoliatus	--	--	BH	CH Stuart	--	1988	--
	Potamogeton praelongus	Sodus	Wayne	BH	RT Clausen & WA Hinkey	8/15	1939	4223
	Potamogeton richardsonii	Third Creek	Wayne	BH	RT Clausen & WA Hinkey	8/15	1939	4233
	Ranunculus longirostris	--	Wayne	BH	RT Clausen & WA Hinkey	8/17	1939	4448
	Ranunculus trichophyllus	--	Wayne	FLH	BA Gilman	June	1985	--
		--	Wayne	NYS	R Mitchell, C Sheviak & K Dean	7/05	1979	7096
	Sagittaria latifolia	--	Wayne	FLH	BA Gilman	June	1985	--
	Scripus tabernaemontanii	--	Wayne	FLH	BA Gilman	June	1985	--
		--	Wayne	NYS	RL Crockett	9/02	1944	--
	Utricularia vulgaris	--	Wayne	BH	CH Stuart	--	--	--
		--	Wayne	NYS	HD House	8/12	1916	--
		--	Wayne	NYS	SE Dowd	7/25	1889	414
	Vallisneria americana	--	Wayne	NYS	RT Clausen & WA Hinkey	8/15	1939	4277
		north end of bay	Wayne	BH	RT Clausen & WA Hinkey	8/15	1939	4277
	Wolffia columbiana	--	Wayne	FLH	BA Gilman	June	1985	--
	Isotria medeoloides	--	Cortland	BH	WC Muenscher & OF Curtis Jr	8/26	1935	4786

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Song Lake (continued)	Potamogeton illinoensis	--	Cortland	BH	WC Muenschler & OF Curtis Jr	8/26	1935	4841
		--	Cortland	NYS	WC Muenschler & OF Curtis Jr	8/26	1935	4841
	Potamogeton praelongus	--	Cortland	BH	WC Muenschler & OF Curtis Jr	8/26	1935	4902
		--	Cortland	NYS	WC Muenschler & OF Curtis Jr	8/26	1935	4902
	Potamogeton vaseyi	--	Cortland	BH	FR Wesley	7/05	1975	1335
South Leland Pond	Potamogeton pectinatus	--	Madison	NYS	HD House	9/01	1935	23176
	Potamogeton zosteriformis	--	Madison	NYS	HD House	9/01	1935	23175
South Sandy Pond	Bidens beckii	--	Oswego	NYS	RT Clausen & WA Hinkey	8/05	1939	4506
	Brasenia schreberi	--	Oswego	NYS	RL Crockett	7/18	1937	--
	Elodea canadensis	--	Oswego	BH	RT Clausen & WA Hinkey	8/05	1939	4270
	Equisetum fluviatile	--	Oswego	NYS	N Hotchkiss	7/30	1928	3164
	Hydrocotyle americana	--	Oswego	NYS	N Hotchkiss	7/30	1928	3141
	Iris versicolor	--	Oswego	NYS	N Hotchkiss	7-6	1928	2888
	Lemna minor	--	Oswego	NYS	N Hotchkiss	6/30	1928	3128
		--	Oswego	NYS	N Hotchkiss	6/30	1928	3145
	Myriophyllum heterophyllum	lower creek	Oswego	BH	RT Clausen & WA Hinkey	8/06	1939	4473
	Myriophyllum sibiricum	--	Oswego	BH	RT Clausen & WA Hinkey	8/05	1939	4469
		--	Oswego	NYS	RT Clausen & WA Hinkey	8/05	1939	4469
	Najas flexilis	--	Oswego	NYS	RT Clausen & WA Hinkey	8/05	1939	4249
		Sandy Creek Township	Oswego	BH	RT Clausen & WA Hinkey	8/05	1939	4249
	Najas guadalupensis	--	Oswego	NYS	N Hotchkiss	9/23	1938	6076
		--	Oswego	NYS	RT Clausen & WA Hinkey	8/05	1939	4257
		--	Oswego	BH	RT Clausen & WA Hinkey	8/05	1939	4257
	Nuphar lutea	--	Oswego	BH	RT Clausen & WA Hinkey	8/05	1939	4433
	Nymphaea odorata	--	Oswego	NYS	AT Hotchkiss	7/18	1946	--
		--	Oswego	NYS	N Hotchkiss	8/16	1928	3350
		--	Oswego	NYS	RL Crockett	7/18	1937	--
	Peltandra virginica	--	Oswego	NYS	AT Hotchkiss	7/18	1946	--
	Potamogeton epihydrus	--	Oswego	BH	AT Hotchkiss	7/18	1946	--
	Potamogeton natans	--	Oswego	BH	RT Clausen & WA Hinkey	8/05	1939	4205
		--	Oswego	BH	WW Rowlee & KM Wiegand	8/23	1902	14
	Potamogeton pusillus	Selkirk	Oswego	NYS	ML Fernald, KM Wiegand & AJ Eames	7/24	1922	14096
	Potamogeton richardsonii	--	Oswego	NYS	RL Crockett	7/14	1940	226
	Potamogeton spirillus	outlet	Oswego	NYS	N Hotchkiss	8/16	1928	3341
		outlet	Oswego	NYS	N Hotchkiss	8/16	1928	3342
		Selkirk	Oswego	NYS	RL Crockett	7/16	1944	7287
	Potamogeton vaseyi	--	Oswego	BH	AT Hotchkiss	7/18	1947	--
		--	Oswego	BH	RT Clausen & WA Hinkey	8/05	1939	4238
		--	Oswego	NYS	A Hotchkiss	7/18	1946	--
	Potamogeton zosteriformis	--	Oswego	BH	RT Clausen & WA Hinkey	8/05	1939	4237
		--	Oswego	NYS	RT Clausen & WA Hinkey	8/05	1939	4237
		Selkirk	Oswego	NYS	RL Crockett	7/16	1944	7299
	Potentilla palustris	--	Oswego	NYS	N Hotchkiss	7/30	1928	3684
	Typha latifolia	--	Oswego	NYS	N Hotchkiss	7/30	1928	3162
	Utricularia intermedia	--	Oswego	NYS	N Hotchkiss	7/30	1928	3155
	Potentilla palustris	North Fair Haven	Cayuga	BH	HH Whetzel & MF Barrus	8/16	1919	12217
Sterling Pond	Azolla caroliniana	--	Cayuga	NYS	RT Clausen	8/10	1939	4124

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER	
Sterling Pond (continued)	<i>Lemna trisulca</i>	--	Cayuga	NYS	RT Clausen & WA Hinkey	8/10	1939	4374	
	<i>Myriophyllum heterophyllum</i>	--	Cayuga	BH	RT Clausen & WA Hinkey	8/10	1939	4474	
		--	Cayuga	NYS	RT Clausen & WA Hinkey	8/10	1939	4474	
	<i>Najas flexilis</i>	--	Seneca	BH	SS Chase	Aug	1941	NY-7	
	<i>Najas guadalupensis</i>	--	Cayuga	BH	RT Clausen & WA Hinkey	8/10	1939	4266	
		--	Cayuga	BH	SS Chase	Aug	1941	18	
	<i>Nuphar lutea</i>	--	Cortland	BH	KM Wiegand	6/27	1920	13520	
	<i>Potamogeton foliosus</i>	--	Cayuga	BH	RT Clausen & WA Hinkey	8/19	1939	4191	
		--	Cayuga	BH	RT Clausen & WA Hinkey	8/10	1939	4228	
			North Fair Haven	Cayuga	NYS	RT Clausen & WA Hinkey	8/10	1939	4228
	<i>Scripus tabernaemontanii</i>	--		Cayuga	NYS	RT Clausen	8/10	1939	4346
	<i>Spirodela polyrhiza</i>	--		Cayuga	NYS	RT Clausen & WA Hinkey	8/10	1939	4376
	<i>Utricularia vulgaris</i>	--		Cayuga	BH	RT Clausen & WA Hinkey	8/10	1939	4500
	<i>Vallisneria americana</i>	Sterling		--	BH	GE Douglas	8/02	1915	3478
	<i>Wolffia columbiana</i>	--		Cayuga	NYS	AP Nelson	--	--	1628
	Tully Lake	<i>Bidens beckii</i>	--	Cortland	BH	GFH	8/25	1898	--
		<i>Ceratophyllum demersum</i>	--	Onondaga	NYS	ME Faust & SJ Smith	9/18	1959	--
			--	Onondaga	NYS	WL Bray	7/30	1935	--
		<i>Elodea canadensis</i>	Tully	Onondaga	NYS	K Scheiser	7/03	1935	--
		<i>Myriophyllum sibiricum</i>	--	Onondaga	NYS	WL Bray	8/13	1939	5834
<i>Nymphaea odorata</i>		--	Cortland	BH	KM Wiegand	7/16	1891	--	
<i>Peltandra virginica</i>		--	Onondaga	BH	--	7/29	1898	--	
		--	Onondaga	BH	KM Wiegand	6/26	1893	--	
		--	Onondaga	NYS	KM Wiegand	6/26	1893	--	
<i>Potamogeton amplifolius</i>		as Crooked Lake	Onondaga	NYS	WC Muenscher & OF Curtis Jr	8/27	1935	4837	
		--	Onondaga	BH	--	9/06	1898	--	
		--	Onondaga	NYS	ME Faust & SJ Smith	9/16	1959	18890	
<i>Potamogeton foliosus</i>		--	Onondaga	BH	KM Wiegand	8/11	1913	57	
		as Crooked Lake	Onondaga	NYS	WC Muenscher & OF Curtis Jr	8/27	1935	4861	
<i>Potamogeton friesii</i>		--	Onondaga	NYS	WC Muenscher & OF Curtis Jr	8/27	1935	4870	
		--	Onondaga	NYS	WL Bray	6/18	1939	--	
<i>Potamogeton gramineus</i>		--	--	BH	WC Muenscher & OF Curtis Jr	8/27	1935	4875	
		--	Cortland	BH	KM Wiegand	8/23	1892	--	
		as Crooked Lake	Onondaga	NYS	WC Muenscher & OF Curtis Jr	8/22	1935	4876	
<i>Potamogeton illinoensis</i>		--	Cortland	BH	GLH	7/26	1898	--	
		--	Cortland	BH	WC Muenscher & OF Curtis Jr	8/27	1935	4839	
		--	Onondaga	NYS	ME Faust & N Sadler	10/19	1949	12253	
		--	Onondaga	NYS	WC Muenscher & OF Curtis Jr	8/27	1935	4839	
<i>Potamogeton natans</i>		--	Onondaga	NYS	WL Bray	8/02	1913	--	
<i>Potamogeton pectinatus</i>		--	Onondaga	BH	GLH	--	1898	--	
<i>Potamogeton richardsonii</i>		--	Onondaga	NYS	WL Bray	7/30	1935	--	
<i>Potamogeton strictifolius</i>		--	Onondaga	NYS	WL Bray	--	1938	--	
<i>Ranunculus longirostris</i>	--	Onondaga	NYS	K Scheiser	7/03	1935	--		
<i>Vallisneria americana</i>	--	Onondaga	NYS	K Scheiser	9/12	1935	--		
Tuscarora Lake	<i>Callitriche palustris</i>	--	Madison	BH	WC Muenscher & OF Curtis Jr	8/28	1935	5091	
Waneta Lake	<i>Alisma plantago-aquatica</i>	north end	Schuyler	BH	R McVaugh & OF Curtis Jr	7/14	1937	7380	
	<i>Ceratophyllum demersum</i>	--	Schuyler	BH	RT Clausen	7/12	1934	1360	
	<i>Elodea canadensis</i>	channel at south end of lake	Schuyler	NYS	RT Clausen	7/12	1934	1326	
		southeast	Schuyler	BH	RT Clausen	7/12	1934	1326	

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Waneta Lake (continued)	Lemna trisulca	--	Schuyler	BH	R McVaugh & OF Curtis Jr	8/28	1937	7576
		--	Schuyler	BH	RT Clausen	7/12	1934	1352
		--	Schuyler	BH	RT Clausen	7/12	1934	1352
		--	Schuyler	NYS	R McVaugh & OF Curtis Jr	8/28	1937	7576
	Ludwigia palustris	--	Schuyler	BH	RT Clausen	7/27	1934	1372
	Myriophyllum sibiricum	--	Schuyler	BH	R McVaugh & OF Curtis Jr	7/15	1937	7378
		--	Schuyler	BH	R McVaugh & OF Curtis Jr	8/28	1937	7577
		--	Schuyler	BH	RT Clausen	7/20	1934	1374
		--	Schuyler	NYS	R McVaugh & OF Curtis Jr	8/28	1937	7577
	Najas flexilis	--	Schuyler	BH	RT Clausen	7/20	1934	1189
		--	Steuben	BH	R McVaugh & OF Curtis Jr	7/14	1937	7376
		--	Steuben	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7376
		south end	Schuyler	BH	SS Chase	7/26	1946	NY-172
		south end	Schuyler	BH	SS Chase	7/26	1946	NY-173
	Najas guadalupensis	northwest	Steuben	NYS	R McVaugh & OF Curtis Jr	7/14	1937	7379
		northwest	Steuben	NYS	RT Clausen	8/01	1934	1193
		--	Steuben	BH	R McVaugh & OF Curtis Jr	7/14	1937	7379
		--	Steuben	BH	RT Clausen	7/20	1934	1194
		--	Steuben	BH	RT Clausen	7/20	1934	1194
		--	Steuben	BH	RT Clausen	8/01	1934	1193
		--	Steuben	BH	RT Clausen	8/01	1934	1193
	Pontederia cordata	channel	Schuyler	BH	RT Clausen	7/12	1934	1354
	Potamogeton amplifolius	south end	Schuyler	BH	RT Clausen	7/12	1934	1313
		south end	Schuyler	NYS	RT Clausen	7/12	1934	1313
	Potamogeton crispus	south end	Schuyler	BH	RT Clausen	7/12	1934	1315
	Potamogeton epihydrus	southeast	Schuyler	BH	RT Clausen	7/12	1934	1316
	Potamogeton gramineus	southeast	Schuyler	BH	RT Clausen	7/27	1934	1317
	Potamogeton pectinatus	--	Schuyler	BH	RT Clausen	7/27	1934	1318
	Potamogeton perfoliatus	--	Schuyler	BH	RT Clausen	7/27	1934	1321
		--	Schuyler	BH	WC Muenschler	7/27	1934	1321
	Potamogeton praelongus	--	Schuyler	BH	R McVaugh & OF Curtis Jr	8/28	1937	7575
		--	Schuyler	BH	RT Clausen	7/12	1934	1319
		south end	--	BH	RT Clausen	7/12	1934	1319
	Potamogeton pusillus	--	Schuyler	NYS	R McVaugh & OF Curtis Jr	7/15	1937	7375
		south end	Schuyler	BH	R McVaugh & OF Curtis Jr	7/15	1937	7375
	Potamogeton robbinsii	northwest end	Steuben	BH	RT Clausen	7/20	1934	1323
		south end	Schuyler	BH	RT Clausen	7/12	1934	1322
		south end	Schuyler	NYS	RT Clausen	7/12	1934	1322
	Potamogeton zosteriformis	south end	Schuyler	BH	RT Clausen	7/12	1934	1314
	Ranunculus longirostris	--	Schuyler	BH	R McVaugh & OF Curtis Jr	8/28	1937	7574
	Sagittaria latifolia	southeast end	Schuyler	BH	RT Clausen	7/27	1934	1325
	Sagittaria rigida	--	Schuyler	BH	RT Clausen	7/27	1934	1324
		--	Schuyler	BH	RT Clausen	7/27	1934	1324
		--	Schuyler	NYS	RT Clausen	7/27	1934	--
	Scripus fluviatilis	--	Schuyler	BH	RT Clausen	7/27	1934	1349
	Scripus tabernaemontanii	--	Schuyler	BH	RT Clausen	7/27	1934	1350
		--	Schuyler	BH	RT Clausen	7/27	1934	1350
		--	Schuyler	NYS	RT Clausen	7/27	1934	1350
	Sarganium americanum	--	Steuben	BH	RT Clausen	--	1932	102

WATER BODY	SPECIES	LOCATION	COUNTY	SOURCE	COLLECTOR	DATE	YEAR	NUMBER
Waneta Lake (continued)	Spirodela polyrhiza	--	Schuyler	BH	RT Clausen	7/12	1934	1353
		--	Schuyler	BH	RT Clausen	7/12	1934	1353
	Typha augustifolia	--	Schuyler	BH	R McVaugh & OF Curtis Jr	8/28	1937	7580
	Utricularia vulgaris	--	Schuyler	BH	RT Clausen	7/10	1934	1387
	Vallisneria americana	--	Schuyler	NYS	RT Clausen	7/27	1934	1327
Woodman Pond	Equisetum fluviatile	--	Madison	NYS	HD House	8/20	1930	17939
York Lake	Potamogeton friesii	Little York Lake?	Cortland	BH	WC Muenscher & OF Curtis Jr	8/26	1935	4839
	Potamogeton illinoensis	Little York Lake?	Cortland	BH	WC Muenscher & OF Curtis Jr	8/26	1935	4840

