

# **Botanical Resources Inventory of the Dyken Pond Environmental Education Center**

**conducted by the  
Rensselaer-Taconic Land  
Conservancy, Inc.**

**1998**

# **Botanical Resources Inventory of the Dyken Pond Environmental Education Center**

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# **The Rensselaer County Plant Resources Survey**

## **Executive Summary**

The following is a series of reports containing the results of botanical inventories of three important natural areas in Rensselaer County: Grafton Lakes State Park (2350 acres, Town of Grafton), Dyken Pond Environmental Education Center (520 acres, towns of Berlin, Grafton, and Poestenkill), and the Rensselaer-Taconic Land Conservancy Butternut Hill Preserve (15.5 acres, Town of Berlin). Plant species discovered in each area are enumerated, and the presence of noteworthy concentrations of plants requiring special management are highlighted. The number of ferns and seed plants was: Grafton Lakes - 629 species, Dyken Pond - 393 species, and Butternut Hill – 157 species. In addition, 70 kinds of bryophytes (mosses and liverworts) also were found to occur in the Butternut Hill Preserve. These figures compare with 1388 species of ferns and seed plants that have been documented from throughout Rensselaer County. The distribution of selected species are shown on maps, as is the vegetation (ecological communities) of Grafton Lakes State Park and the Dyken Pond Center. The reports are available for use in the development of environmental education programs at Grafton Lakes State Park and the Dyken Pond Environmental Education Center.

The inventory data are being maintained in the Rensselaer-Taconic Land Conservancy's (R-TLC's) database. The data can be analyzed in various ways, including specific applications utilizing the R-TLC's Geographic Information System (G.I.S.).

Facts about the contemporary plant life of Rensselaer County are used by the R-TLC as one criterion of several in the evaluation of land that may be targeted for preservation through conservation easements or by other means.

## **Foreword**

Since its founding in 1987, the Rensselaer-Taconic Land Conservancy, Inc. (R-TLC) has worked toward the preservation of the unique landscapes and noteworthy habitats that impart special character to Rensselaer County.

The R-TLC employs several criteria to evaluate the quality of land under consideration for potential protection, including the presence of native plants that are infrequent or possibly in decline. For this reason, the R-TLC began in 1994 to collect information about Rensselaer County's flora. A survey of Rensselaer County plants represented in the Herbarium of the New York State Museum and botanical inventories of some of the county's natural areas were started then, fostered by a grant from the Sweet Water Trust of Boston, Massachusetts, and the efforts of several R-TLC Directors. These data, soon to include some 5200 records stored in the R-TLC's database, are the most detailed collection of information ever assembled about the plant resources of Rensselaer County, but still much more needs to be done.

Additional support received recently by the R-TLC through the interest of Senator Joseph Bruno has carried the project forward significantly. With funds from the New York State Local Assistance Budget, thorough inventories were made of native and naturalized plants growing without cultivation in Grafton Lakes State Park, Rensselaer County's Dyken Pond Environmental Education Center, and Butternut Hill, the last a R-TLC-owned property in Berlin, New York. Grafton Lakes State Park and the Dyken Pond Center, large areas of publicly owned or accessible land (2350 and 502 acres, respectively), were selected for detailed field study. Both also offer successful environmental education programs. An up-to-date census of plants within the park areas and information about where to find examples to show students and others can therefore be put to immediate use in environmental education. In keeping with standards employed in botanical inventories, specimens of all the species recorded by the R-TLC's botanical teams have been deposited at the New York State Museum where the collections will be available for further study.

The reports that follow include detailed maps produced by using the R-TLC's Geographic Information System (G.I.S.), which was employed to help organize and present information gathered on the field surveys. The maps will assist also in educational programming. Moreover, they are useful tools in the management of the botanical resources contained within the park boundaries.

Many volunteers, including R-TLC directors and persons in Rensselaer County with botanical and other needed skills, helped greatly in bringing the reports to completion. A total of 1515 hours was provided by volunteers, a significant tribute to the R-TLC and its work by the Rensselaer County community. The Rensselaer-Taconic Land Conservancy gratefully acknowledges this participation.

With the completion of the three reports, the R-TLC moves closer to being able to evaluate the botanical significance of lands it may consider desirable for preservation. Although the botanical resources of more areas in the county need to be surveyed, the R-TLC is now in a much better position to fulfill its land preservation goals.

Norton G. Miller, *Project Leader*  
Rensselaer-Taconic Land Conservancy, Inc.  
28 February 1998

## **Botanical Inventory of the Dyken Pond Environmental Education Center**

**Summary.** As part of the Rensselaer-Taconic Land Conservancy's (R-TLC's) Plant Resources Project, funded by a 1996 State Legislative Initiative, a complete inventory of vascular plants found at the Dyken Pond Environmental Education Center was conducted. One specimen of every different vascular plant was collected. These 404 specimens (representing 397 different species) were pressed by collectors and mounted at the New York State Museum, where the specimens were accessioned into the Museum's Herbarium. Information on each specimen was added to both the Museum's database and to a database maintained by the R-TLC. Locations of collections were noted and mapped using the R-TLC's Geographic Information System (G.I.S.) In addition, plant distribution maps were compiled for 92 different plants, and 31 ecological communities were identified and mapped using the G.I.S.

**Collectors.** The principal collectors at the Dyken Pond Center were Warren F. Broderick and Robert Ingalls of the R-TLC, who collected many of the specimens and supervised the collecting. Only one specimen had been collected at the Center prior to 1996. 190 specimens were collected in 1996 and an additional 209 were collected in 1997. Four additional specimens were collected in 1998. 15 duplicate specimens were collected, then mounted and labelled by Pamela Weatherbee, and presented to the Dyken Pond Center. Pamela also assisted in the identification of the aquatic plants and emergents. Cultivated plants found in garden settings were not collected and are not considered part of the study area's flora. Some specimens were collected in the spring and early summer of 1996 by Bronwen Eastman, a Cornell University student intern. Volunteers who assisted in the collecting were Theresa Flood, Deborah Hoyns, David Hunt, Sally Ingalls, Janet Mattox, Nancy Reich, Christine Tempe and William Town. The assistance of Dyken Pond Center staff, Pierce Hoyt and Lisa Birr, was invaluable in completing the project.

**Study Area.** The study area includes land owned by Rensselaer County which constitutes the Dyken Pond Environmental Education Center (125.83 acres), as well as three private parcels of property: the Broderick/Olsen property (24 acres), the Broderick property (formerly lot #4 of the Koch property, 29 acres), the remaining Koch property (lots 1, 2 and 3, totaling 81 acres) and the LaPides property (60 acres). In addition, the surface of Dyken Pond itself (comprising 144.88 acres) was studied, as well as two small islands in the pond. The entire study area comprises 404.64 acres, 259.83 aside from the pond surface. The elevation ranges from 1585 feet (in a wetland on Lot #1 on the Koch property) to 1800 feet (on the Osgood parcel).

The Center was established by Rensselaer County in 1973. It was enlarged with the addition of the Teal parcel (14 acres) in Grafton in 1990, the Eischen parcel (10 acres) in Poestenkill in 1990, the Mulson parcel (19 acres) in Poestenkill in 1991 and the Osgood parcel (50 acres) in Grafton in 1991. The Center lies on the Rensselaer Plateau in the towns of Berlin, Grafton and

Poestenkill.

The study area was part of the Middletown and Roxborough divisions of the Manor of Rensselaerswyck, surveyed ca. 1790 but not settled until after 1810. The old road running north from the director's residence, however, may be part of an early ca. 1780 road running north/south on the Rensselaer Plateau, connecting the ca. 1752 "Albany Road" in Poestenkill with the ca. 1777 "Owen Road" in Grafton. Until ca. 1840, hunting, trapping and lumbering were the principal activities. The area was not extensively farmed at an early date because of the cold, rocky soil and isolated location, but contained four farms by the mid-1800s. These farmsites consisted of: 1.) abandoned house site on Lot #1 of the Koch property; 2.) a former farm house (later converted to a sawmill) in the current old field south of Dyken Pond Road on the Long Trail (this was the Wager farm, dating to ca. 1810); 3.) the Abbt farm (the current director's residence); and 4.) a former farm house on the west side of the old road on the LaPides property. For some time, Dyken Pond Road only extended eastward as far as the Long Trail; it was not extended to the Abbt farm until the 1930s. Access to the Abbt farm was gained from the old north/south running road. By 1900, most all the timber had been removed for agriculture and the lumber, charcoal and tanning industries.

These farms became abandoned in the early to mid-twentieth century. Farming ceased on the LaPides property in the 1920s, on the Koch property in the 1950s, and on Abbt farm in the 1960s. Hay was mowed on the old meadow on the Osgood property as late as the 1960s. Other than a few acres of open uplands, the entire study area not under water has reverted to forest. Dyken Pond and South Long Pond originally comprised two small separate natural ponds prior to construction of the dam in 1902. The larger lake was created by the Manning Paper Company to control water downstream in the Poesten Kill. Before the construction of the dam, these smaller ponds were connected by a small stream (where a sawmill was located in the mid-nineteenth century). These ponds were surrounded by fens and other wetlands which are now largely flooded. Manning Paper Co. constructed the three cabins along the lake for use by their employees.

**Ecological Communities.** Thirty-three ecological communities were identified and mapped. These correspond with the system presented in Carol Reschke, *Ecological Communities of New York State* (1990). Communities identified were as follows:

**Riverine Systems.** (total length 1.40 miles)

Natural Streams. (total length 1.40 miles)

Rocky Headwater Stream. total length of .91 mi. This includes Teal Brook, Bog Brook, and an unnamed tributary of the Poesten Kill flowing through the Koch property.

Marsh Headwater Stream. total length of .30 mi. This includes a short stretch of Teal Brook below the outlet of "Owl Swamp" and a short portion of Bog Brook just north of the small wetland west of the director's residence.

Intermittent Stream. total length of .19 mi. This includes two small rills draining into Dyken Pond and a small stream on the Broderick property (former lot #4.)

**Lacustrine Systems.** (total size 144.88 acres)

Lacustrine Cultural. (total size 144.88 acres)

Reservoir/artificial Impoundment. This comprises 144.88 acres of the surface of Dyken Pond. While the actual water body of 172.66 acres total also includes the connected South Long Pond to the north, this study only dealt with the portion known as Dyken Pond. Dyken pond, while partially manmade, closely resembles an oligotrophic pond. Notable emergents and aquatic plants growing here include *Isoetes echinospora*, *Potamogeton epihydrus*, *P. spirillus*, *Utricularia geminiscapa*, *Vallisneria americana*, a significant population of *Brasenia schreberi* and four interesting variants of *Nymphaea odorata* ssp. *odorata*.

**Palustrine Systems.** (total size 39.62 acres)

Open Mineral Soil Wetlands. (total size 1.12 acres)

Shallow Emergent Marsh. (.90 acres) This includes the small wetland west of the director's residence and the inner portion of the "Otter Cove" bay in Dyken Pond.

Shrub Swamp. (.22 acres) There are two such communities in the study area. One borders the small wetland west of the director's residence on the north. The other is the inner section of the boggy island in the southeast portion of the pond is likewise classified. This small area contains a number of plants uncommon to the study area, including *Drosera rotundifolia*, *Eleocharis acicularis*, *Hypericum mutilum*, *Scripus atrocinctus*, *Solidago uliginosa* var. *uliginosa* and *Vaccinium macrocarpon*. This community may represent a remnant of a larger fen which existed prior to the damming and enlargement of the pond.

Open Peatlands. (total size 18.54 acres)

Sedge Meadow. (16.73 acres) This includes Dustin Swamp, part of a wetland on lot #1 of the Koch property, small portions of two wetlands on Center property south of Dustin Swamp, and the outer portion of "Otter Cove." The latter area includes the only populations in the study area of *Eleocharis flavescens* and *Lycopodiella inundata*.

Inland Poor Fen. (.09 acres) This consists of small portion of "the Bog," which once probably contained open water, contains such species as *Andromeda*

*glaucophylla*, *Eriophorum virginicum*, *Kalmia polifolia*, *Rhododendron groenlandicum*, *Sarracenia purpurea* and *Vaccinium macrocarpon*.

Highbush Blueberry Bog Thicket. (1.72 acres) This consists of the northern portion of the inner zone of the wetland on lot #1 of the Koch property. The predominant shrub here is *Nemopanthus mucronatus*.

Forested Mineral Soil Wetlands. (total size 19.95 acres)

Red Maple-Hardwood Swamp. (5.27 acres) This consists of a corridor along Teal Brook on the Broderick/Olsen property.

Hemlock-Hardwood Swamp. (.77 acres) This consists of an area along Bog Brook north of the director's residence, west of the old road.

Vernal Pool. (.58 acres) Two such communities of moderate size exist: one on the Broderick property (former lot #4) and another one on the north end of the Osgood parcel.

Spruce-Fir Swamp. (15.33 acres) This community is found at seven locations as follows: the entire "Owl Swamp," the majority of "the Bog" on Center property, the eastern margin of Dustin Swamp, a small bay at the south of Dustin Swamp, the outer zone of the wetland on lot #1 of the Koch property, and a two small areas on the east and west edges of the Eischen/Mulson parcels south of Dustin Swamp.

Palustrine cultural. (total size .01 acres)

Water Recharge Basin. (.01 acres) This consists of one tiny cistern on the Broderick/Olsen property.

**Terrestrial Systems.** (total size 304.22 acres)

Open Uplands. (total size 7.43 acres)

Successional fern meadow. (1.37 acres) This consists of the abandoned hay-mow on the hilltop on the Osgood parcel.

Successional Blueberry Heath. (.82 acres) Two such communities exist: bordering the small wetland west of the director's residence on the west, and southwest of the abandoned house on lot #1 of the Koch property. The latter site contains the only plants of *Aster laevis* var. *laevis*, *Aster novae-angliae* and *Solidago caesia* in the study area.

Successional Old Field. (1.03 acres) This includes the area east of the air monitoring station on the Abbt Farm Trail, a zone bordering the abandoned house

and another small area near the trail-head, both on lot #1 of the Koch property on the south side of Dyken Pond Road. The first site includes the only plants of *Carex annectans* var. *annectans*, *Coreopsis lanceolata*, *Dianthus armeria*, *Dierilla lonicera* and *Viola sagittata* [*fimbriatula*] found in the study area.

Successional Shrubland. (4.21 acres) This comprises an area on lot #2 of the Koch property on the north side of Dyken Pond Road opposite the abandoned house, and land bordering the old foundation along the Long Trail south of Dyken Pond Road.

#### Forested Uplands. (total size 295.42 acres)

Beech-Maple Mesic Forest. (139.30 acres) This is the principal forest community in the study area, found both north and south of Dyken Pond Road in a number of locations. This community can be best observed along the McFalls Trail (between the Long Trail and the road) and along the Long Trail between "The Bog" and the Broderick/Olsen property. In the latter area there is a sizeable colony of *Lycopodium digitatum*. Another sizable example of the community can be observed long the Long Trail north of the Otter Creek Trail.

Hemlock-Northern Hardwood Forest. (33.79 acres) This forest community is found at a number of places in the study area. Principal stands are located along the Witch Hobble trail, east of the director's residence where the amphitheater is located, between the Cherry Trace and the road, and on a hilltop on the north end of lot #'s 3 and 4 on the Koch property. There are two small such communities bordering the "Owl Swamp" on the north and south, and another south of Dustin Swamp east of the Long Trail. It can also be observed along the Otter Creek Trail and in various places on the Koch property.

Pine-Northern Hardwood Forest. (2.66 acres) This forest community is represented by one area on a hilltop south of Dustin Swamp. Plants found here include *Goodyera tesselata*, *Melampyrum lineare* (tentative), *Monotropa hypopithys*, *Pyrola elliptica* and *Viola blanda* [*incognita*].

Balsam Flats. (5.87 acres) This northern conifer forest community (principally known from the Adirondacks) is found bordering Dustin Swamp on the north and south, and bordering the wetland on lot #1 of the Koch property on the north.

Spruce Flats. (4.57 acres) This northern conifer forest community (principally known from the Adirondacks) is found bordering the stream flowing south from the old beaver impoundment, through lots 2 and 3 of the Koch property.

Spruce-Northern Hardwood Forest. (13.17 acres) This community is found in six places in the study area. The most impressive mature stand is found on lot #2 of the Koch property. This forest type is also found on the east side of the Osgood parcel, on lot #2 of the Koch property, on the Broderick\Olsen property just north of the road, on the Broderick property (former lot #4) and on the tiny rocky

island in the south end of Dyken Pond.

Successional Northern Hardwoods. (96.06 acres) A good mature example is found along the old logging road on the Broderick property (former lot #4), where the spring flora consist of *Claytonia caroliniana*, *Erythronium americanum*, *Panax trifolius* and *Viola rotundifolia*. *Goodyera tesselata* is found here as well. Large areas can be easily observed on the Osgood/Lapides propertys and the Eischen/Mulson parcels. These young forests are also found in four locations all bordering open uplands that had formerly been cultivated: along the Abbt Farm Trail, west of the successional blueberry heath west of the director's residence, and on the north and south sides of the road on lot #'s 1 and 2 of the Koch property in the vicinity of the abandoned house. These are the only sites where *Populus grandidentata* and *P. tremuloides* are found in the study area.

#### Terrestrial Cultural. (total size 17.67 acres)

Cropland/Row Crops. (.06 acres) This consists of the vegetable garden north of the director's residence.

Flower/Herb Garden. (.06 acres) This consists of the flower garden adjacent to the barn on the south.

Pine Plantation. (3.80 acres) There are three plantations of *Pinus strobus* of ca. 60 years in age. One is located on Center property on a knoll south of Dyken Pond Road, while the other two are on the Broderick/Olsen parcel, west of Teal Brook, and east of the spruce/fir plantation east of Teal Brook.

Spruce/Fir Plantation. (1.77 acres) This consists of one substantial plantation of *Picea abies*, located east of Teal Brook on the Broderick/Olsen parcel.

Mowed Lawn. (3.18 acres) There are five patches as follows: surrounding the director's residence, north of the parking lot, and surrounding cabin #'s 1, 2 and 3.

Mowed Roadside/Pathway. (.21 acres) This is found only along the old road, beginning north of the vegetable garden.

Unpaved Road/Path. (7.47 acres) This includes portions of Dyken Pond Road, as well as all the trails in the study area. The trails total 6.64 miles in length. The area figure represents only the road and the two trails which were formerly roads; all other trails are drawn as linear communities and have no mappable width. A wide variety of plants grow along Dyken Pond Road, a number of them alien species, which appear to be spreading from west to east along the road. Plants discovered only recently along the road in the study area include *Campanula rapunculoides*, *Coronilla varia*, *Salix atrocinerea* and *Tussilago farfara*. The least common native plant found along the roadside is *Platanthera lacera*.

**Sand Mine.** (.005 acres) This tiny community consists of a sand pit east of the Cherry Trace and west of Bog Brook. It is home to the only plants of *Epigaea repens* found in the study area.

**Brushy Cleared Land.** (.61 acres) This consists of an area north of the air monitoring station and east of the old road, and another small area north of the vegetable garden. Trees have been cleared in this areas, leaving a community resembling a successional shrubland. One somewhat unusual plant found in this community is *Arctium lappa*.

**Rural Structure Exterior.** (.5 acres) These include the director's residence, barn, air monitoring station, the three cabins, small storage cabin, the outhouse south of the parking lot and the abandoned house on lot #1 of the Koch property.

#### ***Subterranean Systems.*** (total size .10 acres)

##### **Subterranean Cultural.** (total size .10 acres)

**Basement/Building Foundation.** (.10 acres) Two foundations are found in the study area: an old house foundation on the Lepides property and an old house/sawmill foundation in the successional old field on Center property south of Dyken Pond Road.

**Areas Requiring Further Study.** Roadsides, trailsides, wetlands, open uplands cultural communities, and the pond were studied very carefully. Large tracts of forested uplands not close to roads or trails, especially beech-maple mesic forest and successional northern hardwood forest, should be explored more carefully.

**Recommendations.** In general, public use and land management policies of the Dyken Pond Center are consistent with the protection of plants found during the inventory. Open uplands should continue to be kept free of young trees to prevent their succession into forest. A number of plants are only found in open upland communities in the study area. The town should continue its policy of not mowing the sides of Dyken Pond Road. Efforts should continue to ensure preservation of private parcels included in this study. Wetlands on both Lot #'s 1 and 3 of the Koch property and the spruce/fir swamp on the Lepides property constitute excellent examples of ecological communities and contain a number of important plant species. The wetland on Lot #1 includes the only plants of *Carex paupercula* var. *irrigua*, *Epilobium leptophyllum*, *E. palustre* and *Picea mariana* in the study area. Dyken Pond itself still supports a varied flora consisting of some uncommon plants. Their preservation becomes a concern as the lake shore becomes still further developed.

**Invasive Plants.** The only truly invasive plant colony in the study area is a substantial patch of *Phragmites australis* found in the wetland south of Dyken Pond Road on Lot #1 of the Koch property. This alien species has become established to the extent that its removal is probably impossible. Some roadside plants, such as *Cirsium arvense*, are potentially invasive, but do not pose a threat if restricted to the roadside.

**Introduced Plants.** The following plants exist in the study area only as introductions. These plants are persisting but only spreading slowly at best. Despite the introduction of plants for aesthetic and educational purposes, this list comprises only a small percentage of the total vascular flora:

<i>Acorus americanus</i>	<i>Lobelia cardinalis</i>
<i>Caltha palustris</i>	<i>Monarda fistulosa</i> var. <i>fistulosa</i>
<i>Clethra alnifolia</i>	<i>Pinus resinosa</i>
<i>Hellonias bullata</i>	<i>Rhododendron canadense</i>
<i>Iris pseudocarous</i>	<i>Rhododendron maximum</i>
<i>Juniperus virginianus</i>	<i>Symplocarpus foetidus</i>
	<i>Trillium grandiflorum</i>

**Historical Collections.** Twenty-six vascular plant specimens, found in the State Museum Herbarium, are identified as having been collected in or near Dyken Pond in the during the period 1927-1933. Of these plants, all but the following were located and collected as part of this study:

<i>Agrostis capillaris</i>	1933	"shore"
<i>Calltriche palustris</i>	1933	"shallow water"
<i>Rhynchospora alba</i>	1933	"shore"
<i>Vaccinium oxycoccus</i>	1927	"boggy island in lake"
<i>Xyris montana</i>	1927	"boggy island in lake"

**Extirpated plants.** The only plants known to have been extirpated from the study area are *Cypripedium parviflorum* (a single plant (introduced?) was formerly seen on Witch Hobble trail), *Vinca minor* (a remnant population observed in the old cemetery on the Broderick/Olsen property ca. 1990) and *Lythrum salicaria* (a single adventive plant in north end of Dustin Swamp was destroyed in 1995.)

**Plants Not Collected During the Study.** The following plants are known or believed to present in the study area, but were not collected. These plants will be collected in the future if viable specimens can be located:

<i>Aster cf. novi-belgii</i> var. <i>novi-belgii</i>	near cabin #2; single plant observed in 1996, not located in 1997
<i>Carex cf. aquatilis</i> or <i>C. cf. stricta</i>	Teal Brook area; observed in the past by David Hunt
<i>Fraxinus cf. nigra</i>	wetland south of old house; observed in the past by David Hunt
<i>Juncus sp.</i>	boggy island in lake; immature plants only observed in 1997
<i>Melampyrum lineare</i>	pine-northern hardwood forest; observed in 1997 by David Hunt
<i>Polygonum cf. punctatum</i> var.	"the Bog;" observed in the past by David Hunt
<i>Sparganium sp. [floating]</i>	west side of lake; observed in 1997, but not collected because of browsing and absence of fruit

**State Listed Plants.** The only state-listed plant found in the study area is *Myriophyllum farwellii* (rarity status: State: E TNC rank: G5 S1S2) found in a small black-water cove near the boggy island in the southeast portion of Dyken Pond.

**County "Rare" Plants.** While a complete floristic study of Rensselaer County has not yet been conducted, the following native plants found in the study area are considered by those involved in this project to be uncommon or rare in the county in general. These include native plants meeting criteria established by David Hunt for tracking rare plants in the county. In some instances, this rarity may be the result of the habitat in which it is found being uncommon in the county.

<i>Andromeda glaucophylla</i>	<i>Lycopodiella inundata</i>
<i>Bidens discoidea</i>	<i>Lyonia ligustrina</i>
<i>Carex paupercula</i> var. <i>irrigua</i>	<i>Monotropa hypopithys</i>
<i>Eleocharis flavescens</i>	<i>Myriophyllum farwellii</i>
<i>Eleocharis palustris</i>	<i>Nymphaea odorata</i> ssp. <i>odorata</i> "var. <i>minor</i> "
<i>Epilobium leptophyllum</i>	<i>Nymphaea odorata</i> ssp. <i>odorata</i> "var. <i>rosea</i> "
<i>Epilobium palustre</i>	<i>Nymphaea odorata</i> ssp. <i>odorata forma rubra</i>
<i>Galium asperellum</i>	<i>Platanthera lacera</i>
<i>Gaultheria hispida</i>	<i>Potamogeton epihydrus</i>
<i>Goodyera tesselata</i>	<i>Ribes glandulosum</i>
<i>Isoetes echinospora</i>	<i>Scripus microcarpus</i>
<i>Kalmia polifolia</i>	<i>Sparganium fluctuans</i>

*Utricularia cornuta*  
*Utricularia geminiscapa*  
*Utricularia intermedia*

*Vallisneria americana*  
*Waldsteinia fragarioides*

**Uncommon Alien Plants.** One hundred two alien species (of the total of 397 species) were collected in the study area. The following alien plants found in the study area are considered by those involved in this project to be uncommon or rare in the county in general. These plants are not invasive and are rarely encountered established in the wild as weeds or garden escapes. The collection of the garden escape *Rosa alba* (here the cultivar "semi-plena") represents the first collection of this species in the state in the wild.

*Arctium lappa*  
*Coreopsis lanceolata*  
*Mentha spicata*

*Rosa alba*  
*Rosa centifolia*  
*Viola tricolor*

**Protected Plants.** 6NYCRR (Regulations of the Commissioner of Environmental Conservation) lists plants known to be "exploitably vulnerable" in the state. A number of these are plants which are or were commonly collected for horticulture, ornament or medicine. While most native ferns are on this list, ferns in the study area are plentiful with the exception of *Polystichum acrostichoides*, *Woodsia obtusa*, and possibly *Dryopteris campyloptera*. State listed club mosses are also common, even prolific at Dyken Pond, with the exception of *Lycopodiella inundata*. Protected plants found at Dyken Pond in small numbers, and potentially vulnerable to collection, are the following:

*Cypripedium acaule*  
*Drosera rotundifolia*  
*Epigaea repens*  
*Gentiana clausa*  
*Goodyera pubescens*  
*Goodyera tesselata*  
*Ilex verticillata*  
*Kalmia angustifoila*  
*Kalmia polifolia*

*Lobelia cardinalis* [introduced]  
*Platanthera lacera*  
*Rhododendron maximum* [introduced]  
*Rhododendron prinophyllum*  
*Sarracenia purpurea*  
*Trillium erectum*  
*Trillium grandiflorum* [introduced]  
*Trillium undulatum*

**Plants Collected for the First Time in the County at Dyken Pond.** Ninety-nine plants were added to the Herbarium of the State Museum as a result of this project:

<i>Aegopodium podagraria</i>	<i>Myriophyllum farwellii</i>
<i>Agrostis canina</i>	<i>Nuphar variegata</i>
<i>Agrostis stolonifera</i> var. <i>stolonifera</i>	<i>Oxalis stricta</i>
<i>Amaranthus retroflexus</i>	<i>Phalaris arundinacea</i>
<i>Arctium lappa</i>	<i>Phleum pratense</i>
<i>Aster lanceolatus</i> var. <i>simplex</i>	<i>Pinus sylvestris</i>
<i>Bidens connata</i>	<i>Plantago lanceolata</i>
<i>Bidens discoidea</i>	<i>Polypodium virginianum</i>
<i>Calystegia sepium</i> ssp. <i>sepium</i>	<i>Potentilla norvegica</i> ssp. <i>norvegica</i>
<i>Cirsium arvense</i>	<i>Ranunculus acris</i>
<i>Cirsium vulgare</i>	<i>Rhododendron maximum</i>
<i>Clethra alnifolia</i>	<i>Rosa alba</i> "semi plena"
<i>Coreopsis lanceolata</i>	<i>Sambucus racemosa</i> ssp. <i>pubens</i>
<i>Dactylis glomerata</i>	<i>Scirpus atrovirens</i>
<i>Digitaria ischaemum</i>	<i>Scutellaria galericulata</i>
<i>Digitaria sanguinalis</i>	<i>Sedum telephium</i>
<i>Dulichium arundinaceum</i>	<i>Setaria pumila</i>
<i>Epilobium coloratum</i>	<i>Setaria viridis</i>
<i>Epilobium palustre</i>	<i>Silene armeria</i>
<i>Euthamia graminifolia</i>	<i>Sium suave</i>
<i>Galinsoga quadriradiata</i>	<i>Solidago nemoralis</i>
<i>Helonias bullata</i>	<i>Solidago uliginosa</i> var. <i>uliginosa</i>
<i>Iris pseudacorus</i>	<i>Stellaria media</i>
<i>Leonurus cardiaca</i>	<i>Tragopogon pratensis</i>
<i>Lolium perenne</i>	<i>Tussilago farfara</i>
<i>Lonicera Morrowii</i>	<i>Urtica dioica</i> ssp. <i>dioica</i>
<i>Lycopus virginicus</i>	<i>Utricularia geminiscapa</i>
<i>Malus pumila</i>	<i>Vallisneria americana</i>
<i>Matricaria recutita</i>	<i>Veratrum viride</i>
<i>Mentha spicata</i>	<i>Viola tricolor</i>

**Uncommon Plants in the Study Area.** In all cases, these are found at only one or two locations, and/or only a few plants present over the entire area. These plants may be common over the county as a whole:

<i>Actaea pachypoda</i>	<i>Bidens connata</i>
<i>Andromeda glaucophylla</i>	<i>Bidens discoidea</i>
<i>Aralia hispida</i>	<i>Bidens frondosa</i>
<i>Aster laevis</i> var. <i>laevis</i>	<i>Carex paupercula</i> var. <i>irrigua</i>
<i>Aster macrophyllus</i>	<i>Clematis virginiana</i>

<i>Coreopsis lanceolata</i>	<i>Potentilla norvegica</i> ssp. <i>norvegica</i>
<i>Coronilla varia</i>	<i>Prenanthes trifilolata</i>
<i>Cypripedium acaule</i>	<i>Pyrola elliptica</i>
<i>Diervilla lonicera</i>	<i>Ranunculus repens</i>
<i>Drosera rotundifolia</i>	<i>Rhododendron groenlandicum</i>
<i>Elatine minima</i>	<i>Rhododendron prinophyllum</i>
<i>Eleagnus umbellatus</i>	<i>Ribes glandulosum</i>
<i>Eleocharis acicularis</i>	<i>Rosa alba</i>
<i>Eleocharis elliptica</i> var. <i>elliptica</i>	<i>Rosa centifolia</i>
<i>Eleocharis flavescens</i>	<i>Rosa multiflora</i>
<i>Eleocharis palustris</i>	<i>Rubus pubescens</i>
<i>Epigaea repens</i>	<i>Salix bebbiana</i>
<i>Epilobium leptophyllum</i>	<i>Sarracenia purpurea</i>
<i>Epilobium palustre</i>	<i>Scirpus atrocinctus</i>
<i>Eriophorum virginicum</i>	<i>Sedum telephium</i>
<i>Fraxinus americana</i>	<i>Sisyrinchium montanum</i> var. <i>crebrum</i>
<i>Galium triflorum</i>	<i>Sium suave</i>
<i>Gentiana clausa</i>	<i>Solidago bicolor</i>
<i>Goodyera pubescens</i>	<i>Solidago caesia</i>
<i>Goodyera tesselata</i>	<i>Solidago uliginosa</i> var. <i>uliginosa</i>
<i>Hypericum mutilum</i>	<i>Sorbus americana</i>
<i>Isoetes echinospora</i>	<i>Syringa vulgaris</i>
<i>Kalmia polifolia</i>	<i>Trillium erectum</i>
<i>Lonicera morrowii</i>	<i>Tussilago farfara</i>
<i>Lycopodiella inundata</i>	<i>Ulmus americana</i>
<i>Lyonia ligustrina</i>	<i>Utricularia cornuta</i>
<i>Mentha spicata</i>	<i>Utricularia geminiscapa</i>
<i>Monotropa hypopithys</i>	<i>Utricularia intermedia</i>
<i>Myrica gale</i>	<i>Vaccinium macrocarpon</i>
<i>Myriophyllum farwellii</i>	<i>Vaccinium myrtilloides</i>
<i>Oeonthera biennis</i>	<i>Viola blanda</i>
<i>Picea mariana</i>	<i>Viola cucullata</i>
<i>Platanthera clavellata</i>	<i>Viola sagittata</i>
<i>Platanthera lacera</i>	<i>Viola tricolor</i>
<i>Podophyllum peltatum</i>	<i>Waldsteinia fragarioides</i>
<i>Polygonum hydropiperoides</i>	<i>Woodsia obtusa</i>
<i>Polystichum acrostichoides</i>	

**Additional Plants Collected Since the Study Was Initially Undertaken.** The following plants were located and collected in 1998 at the Dyken Pond Center. All four alien species were found growing on a large mound of earth that had been placed at the east edge of the lawn at the director's residence. These plants were not visible when the study was undertaken in 1997:

*Lepidium campestre*  
*Berteroa incana*

*Bromus tectorum*  
*Vicia villosa* ssp. *villosa*

**Conclusion.** For a relatively small land area, the flora shows surprising diversity, of both alien and native plants. Despite heavy recreational use of Dyken Pond itself, the lake supports a significant variety of plants, primarily found in sheltered bays and shoreline areas. In addition, a significant number of different ecological communities, both natural and cultural, can be found in fairly close proximity to each other, and most are or could be accessible through the Center's trail network.

*submitted by Warren F. Broderick and Robert Ingalls  
for the Rensselaer-Taconic Land Conservancy  
December 17, 1997  
revised March, 1999*

vascular plant collections through 1997 at the  
Dyken Pond Environmental Education Center

botanical name / common name (native or alien)	locality of collection	collection date	collectors
** genus: <i>Abies</i> <i>Abies balsamea</i> (A25018) balsam fir (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 on Koch subdivision, nw. portion of wetland south of old house on Dyken Pond Road Elevation: 1585 ft.	10 Jul 1997	R. Ingalls & W. Broderick
** genus: <i>Acer</i> <i>Acer pensylvanicum</i> (A23035) striped maple (native)	Town of Berlin: Dyken Pond Environmental Education Center, 25 ft. into Water trail on the right, from road Elevation: 1640 ft.	27 Jun 1996	B. Eastman
<i>Acer rubrum</i> var. <i>rubrum</i> (A23033) red maple (native)	Town of Berlin: Dyken Pond Environmental Education Center, 25 ft. into Water trail on the left, from road Elevation: 1640 ft.	27 Jun 1996	B. Eastman, ver. W.Broderick, 1/97
<i>Acer saccharum</i> (A23026) sugar maple (native)	Town of Berlin: Dyken Pond Environmental Education Center, L corner of road and Water trail Elevation: 1640 ft.	27 Jun 1996	B. Eastman
<i>Acer spicatum</i> (A23040) mountain maple (native)	Town of Berlin: Dyken Pond Environmental Education Center, 50 ft. into Water trail on the left of bridge, from road Elevation: 1640 ft.	27 Jun 1996	B. Eastman
** genus: <i>Achillea</i> <i>Achillea millefolium</i> var. <i>millefolium</i> (A21885) common yarrow (native)	Town of Grafton: Dyken Pond Environmental Education Center, 20 ft. N of road, 30 ft. W of the gate to the Water Elevation: 1645 ft.	25 Jun 1996	B. Eastman, ver. W. Broderick, 1/97
** genus: <i>Acorus</i> <i>Acorus americanus</i> (A24876) sweetflag (native - introduced)	Town of Grafton: Dyken Pond Environmental Education Center: open spruce/fir swamp, e. side of wetland, ca. 10 ft. n. of boardwalk Elevation: 1675 feet	07 Jun 1997	W. Broderick & C. Temple
** genus: <i>Actaea</i> <i>Actaea pachypoda</i> (A25276) white baneberry (native)	Town of Grafton: Dyken Pond Environmental Education Center: ne. corner of former hay meadow on Osgood parcel Elevation: 1780 ft.	10 Aug 1997	W. Broderick
** genus: <i>Aegopodium</i> <i>Aegopodium podagraria</i> (A24905) goutweed (alien)	Town of Grafton: Dyken Pond Environmental Education Center: s. side of Dyken Pond Road, where it crosses Teal Brook Elevation: 1620 feet	12 Jun 1997	W. Broderick

** genus: <i>Agrostis</i> <i>Agrostis canina</i> (A25020) velvet bent (alien)	Town of Grafton: Dyken Pond Environmental Education Center: n. side of road leading to lake, at se. corner of lawn, w. of hemlock grove	10 Jul 1997	R. Ingalls & W. Broderick
<i>Agrostis perennans</i> (A25131) autumn bent (native)	Town of Grafton: Dyken Pond Environmental Education Center: Broderick/Olsen property, w. side of Teal Brook short distance n. of large <i>Pinus strobus</i> & e. of stone wall	30 Jul 1997	R. Ingalls, W. Broderick, & S. Ingalls
<i>Agrostis scabra</i> (A25280) hairgrass (native)	Town of Berlin: Dyken Pond Environmental Education Center: shore of Dyken Pond, opposite cabin 3	17 Aug 1997	D. Hunt, ver. R. Ingalls
<i>Agrostis stolonifera</i> var. <i>stolonifera</i> (A25028) creeping-bent (native)	Town of Grafton: Dyken Pond Environmental Education Center: Osgood parcel, n. end of old former hay meadow	10 Jul 1997	R. Ingalls & W. Broderick
** genus: <i>Alnus</i> <i>Alnus incana</i> ssp. <i>rugosa</i> (A24973) hazel alder (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 on Koch subdivision, nw. portion of wetland south of old house on Dyken Pond Road	01 Jul 1997	R. Ingalls & W. Broderick
** genus: <i>Amaranthus</i> <i>Amaranthus retroflexus</i> (A21860) pigweed (native)	Town of Grafton, Dyken Pond Environmental Education Center, in vegetable garden, n. of director's residence barrier on Long Trail	01 Sep 1996	R. Ingalls & W. Broderick Ingalls, & N. Reich
** genus: <i>Ambrosia</i> <i>Ambrosia artemisiifolia</i> (A21619) ragweed (native)	Town of Grafton, Dyken Pond Environmental Education Center, south side of Dyken Pond Road, at east end of barrier on Long Trail	25 Aug 1996	R. Ingalls & W. Broderick
** genus: <i>Amelanchier</i> <i>Amelanchier arborea</i> (A23075) shadbush (native)	Town of Berlin: Dyken Pond Environmental Education Center, 5 ft. from lake, in front of cabin #2	03 Jul 1996	B. Eastman, ver. W. Broderick, 1/97
** genus: <i>Andromeda</i> <i>Andromeda glaucophylla</i> (A21788) bog rosemary (native)	Town of Grafton, Dyken Pond Environmental Education Center, open spruce/fir swamp, s. of boardwalk in w. side of wetland	06 Sep 1996	W. Broderick
** genus: <i>Anthoxanthum</i> <i>Anthoxanthum odoratum</i> (A24926) sweet vernalgrass (alien)	Town of Grafton: Dyken Pond Environmental Education Center: e. side of old road running n. of director's residence, short distance n. of barn	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Temple

\*\* genus: Apocynum  
*Apocynum androsaemifolium* (A25603)  
spreading dogbane (native)

Town of Grafton: Dyken Pond Environmental Education Center: parcel #3 in Koch subdivision, n. side of Dyken Pond Road, short distance w. of old logging road Elevation: 1615 ft.

R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls

\*\* genus: Aralia  
*Aralia hispida* (A25287)  
bristly sarsaparilla (native)

Town of Grafton: Dyken Pond Environmental Education Center: Dustin swamp, midway between inlet of Teal Brook at Dyken Pond Road, and boardwalk Elevation: 1611 ft.

D. Hunt, W. Broderick, & C. Tempe

*Aralia nudicaulis* (A23034)  
wild sarsaparilla (native)

Town of Berlin: Dyken Pond Environmental Education Center, 25 ft. into Water trail on the left, from road Elevation: 1640 ft.

R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls

\*\* genus: Arctium  
*Arctium lappa* (A21790)  
burdock (alien)

Town of Grafton, Dyken Pond Environmental Education Center, e. side of main north-s. running trail, along w. side of barn Elevation: 1655 ft.

17 Aug 1997  
D. Hunt

\*\* genus: Arisaema  
*Arisaema triphyllum* ssp. *trifolium* (A23089)  
Jack-in-the-pulpit (native)

Town of Berlin: Dyken Pond Environmental Education Center, 150 ft. s of 1st cabin in streambed Elevation: 1640 ft.

B. Eastman  
W. Broderick

*Arisaema triphyllum* ssp. *stewardsonii* (A21793)  
Jack-in-the-pulpit (native)

Town of Grafton, Dyken Pond Environmental Education Center, open spruce/fir swamp, s. of boardwalk in w. side of wetland Elevation: 1675 ft.

27 Jun 1996  
B. Eastman

\*\* genus: Aronia  
*Aronia melanocarpa* (A23062)  
black chokeberry (native)

Town of Berlin: Dyken Pond Environmental Education Center, 1 ft. from lake by picnic table, off Witchhobble trail Elevation: 1640 ft.

B. Eastman  
W. Broderick

\*\* genus: Asclepias  
*Asclepias syriaca* (A25044)  
common milkweed (native)

Town of Berlin: Dyken Pond Environmental Education Center: Lot #1 in Koch subdivision, s. side of Dyken Pond Road, just e. of old house Elevation: 1640 ft.

W. Broderick  
C. Tempe

\*\* genus: Aster  
*Aster acuminatus* (A25281)  
mountain aster (native)

Town of Berlin: Dyken Pond Environmental Education Center: w. side of Witch Hobble trail, near outhouse w. of cabin 2 Elevation: 1640 ft.

13 Jul 1997  
W. Broderick

\*\* genus: Aster  
*Aster acuminatus* (A25044)  
mountain aster (native)

Town of Berlin: Dyken Pond Environmental Education Center: w. side of Witch Hobble trail, near outhouse w. of cabin 2 Elevation: 1640 ft.

17 Aug 1997  
D. Hunt

<i>Aster divaricatus</i> (A25594) white wood aster (native)	Town of Grafton: Dyken Pond Environmental Education Center: s. side of Dyken Pond Road, short distance w. of Cherry Trace trail Elevation: 1650 ft.	30 Aug 1997	R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls
<i>Aster laevis</i> (A25527) smooth blue aster (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 in Koch subdivision, open area sw. of abandoned house Elevation: 1645 ft.	13 Sep 1997	W. Broderick
<i>Aster lancolatus</i> var. <i>simplex</i> (A21866) tall white aster (native)	Town of Grafton, dyken Pond Environmental Education Center, top of hill ne. of barn and just sw. of air monitoring station, w. side of Abbt Farm trail Elevation: 1665 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
<i>Aster lateriflorus</i> var. <i>lateriflorus</i> (A21624) calico aster (native)	Town of Grafton, Dyken Pond Environmental Education Center, north side of Dyken Pond Road, Broderick/Olsen property, ca. 50 ft. e. of Long Trail Elevation: 1640 ft.	25 Aug 1996	R. Ingalls & W. Broderick, ver. W. Broderick, 2/97
<i>Aster macrophyllus</i> var. <i>macrophyllus</i> (A25589) bigleaf aster (native)	Town of Grafton: Dyken Pond Environmental Education Center: sw. end of parking lot at end of Dyken Pond Road Elevation: 1650 ft.	30 Aug 1997	R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls
<i>Aster nemoralis</i> (A21837) bog aster (native)	Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, along w. side of Teal Brook trail, just n. of place where Iris sp. were planted and where stream is close to trail Elevation: 1632 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
<i>Aster novae-angliae</i> (A25528) New England aster (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 in Koch subdivision, open area sw. of abandoned house Elevation: 1645 feet	13 Sep 1997	W. Broderick
<i>Aster puniceus</i> var. <i>puniceus</i> (A21629) purple-stemmed aster (native)	Town of Grafton, Dyken Pond Environmental Education Center, in middle of Long Trail, s. of Dyken Pond Road, ca. 10 ft. from road Elevation: 1641 ft.	25 Aug 1996	R. Ingalls & W. Broderick, ver. W. Broderick, 2/97
** genus: <i>Athyrium</i> <i>Athyrium filix-femina</i> var. <i>asplenioides</i> (A23079) southern lady fern (native)	Town of Berlin: Dyken Pond Environmental Education Center, R corner of Witchhobble trail and road, facing trail Elevation: 1640 ft.	03 Jul 1996	B. Eastman
** genus: <i>Barbarea</i> <i>Barbarea vulgaris</i> (A24109) cress (alien)	Town of Grafton: Dyken Pond Environmental Education Center: Lot. #1 in Koch subdivision: s. side of Dyken Pond Road, ca. 20 ft. from road, short distance w. of abandoned house, near old woods road Elevation: 1660 ft.	04 Jun 1997	W. Broderick
** genus: <i>Betula</i> <i>Betula alleghaniensis</i> (A23042) yellow birch (native)	Town of Berlin: Dyken Pond Environmental Education Center, to the left of water trail from the road, 75 ft. NW of 2nd cabin Elevation: 1640 ft.	28 Jun 1996	B. Eastman

*Betula papyrifera* (A24877)  
paper birch (native)

Town of Grafton: Dyken Pond Environmental Education Center: Woods e. of Abbt Farm Trail, few hundred feet n. of air monitoring station, ca. 20 ft. e. of trail  
Elevation: 1670 feet

07 Jun 1997 W. Broderick & C. Tempe

*Betula populifolia* (A23048)  
gray birch (native)

Town of Berlin: Dyken Pond Environmental Education Center, at Lakeshore E of post #6 Witchhobble trail  
Elevation: 1640 ft.

28 Jun 1996 B. Eastman

\*\* genus: *Bidens*  
*Bidens cernua* (A21840)  
stick-tights (native)

Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, just n. of footbridge on e. side of Teal Brook  
Elevation: 1638 ft.

01 Sep 1996 R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

*Bidens connata* (A22715)  
beggar-ticks (native)

Town of Grafton, Dyken Pond Environmental Education Center, se. corner of small wetland w. of director's residence and n. side of Dyken Pond Road  
Elevation: 1650 ft.

01 Sep 1996 R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

*Bidens discoidea* (A25279)  
small beggar-ticks (native)

Town of Berlin: Dyken Pond Environmental Education Center: shore of Dyken Pond, in small cove between cabins 1 & 2  
Elevation: 1623 ft.

17 Aug 1997 D. Hunt, ver. R. Ingalls

*Bidens frondosa* (A21833)  
beggar-ticks (native)

Town of Berlin, Dyken Pond Environmental Education Center, on lake shore, midway between cabin #1 and storage building  
Elevation: 1629 ft.

01 Sep 1996 R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

\*\* genus: *Brachyelytrum*  
*Brachyelytrum septentrionale* (A23082)  
northern shorthusk (native)

Town of Berlin: Dyken Pond Environmental Education Center, on the L side of the road, 25 paces w. of Water Trail trailhead  
Elevation: 1640 ft.

10 Jul 1996 B. Eastman, det. G. Tucker

\*\* genus: *Brasenia*  
*Brasenia schreberi* (A25047)  
water-shield (native)

Town of Berlin: Dyken Pond Environmental Education Center: w. side of Dyken Pond, s. of cabin #3, ca. 20 ft. from shore  
Elevation: 1622 ft.

14 Jul 1997 W. Broderick & D. Hoyns

\*\* genus: *Bromus*  
*Bromus inermis* (A24924)  
smooth brome (alien)

Town of Grafton: Dyken Pond Environmental Education Center: short distance w. of director's residence, e. of small wetland  
Elevation: 1655 feet

21 Jun 1997 R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Tempe

\*\* genus: *Calamagrostis*  
*Calamagrostis canadensis* var. *canadensis* (A25024)  
bluejoint grass (native)

Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 on Koch subdivision, nw. portion of wetland south of old house on Dyken Pond Road  
Elevation: 1585 ft.

10 Jul 1997 R. Ingalls & W. Broderick

** genus: <i>Calla</i> <i>Calla palustris</i> (A21836) water arum (native)	Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, in Teal Brook, short distance SW. of large glacial erratic Elevation: 1630 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
** genus: <i>Caltha</i> <i>Caltha palustris</i> (A23940) marsh marigold (native - introduced)	Town of Grafton: Dyken Pond Environmental Education Center: e. edge of Teal Brook, ca. 500 ft. downstream from foot bridge Elevation: 1635 ft.	17 May 1997	W. Broderick
** genus: <i>Calystegia</i> <i>Calystegia sepium</i> ssp. <i>sepium</i> (A24989) hedge-bindweed (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #2 in Koch subdivision, n. side of Dyken Pond Road, short distance W. of stream crossing, ca. 5 ft. from edge of road Elevation: 1650 feet	06 Jul 1997	W. Broderick
** genus: <i>Campanula</i> <i>Campanula rapunculoides</i> (A25519) creeping bellflower (alien)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 in Koch subdivision, s. side of Dyken Pond Road, just W. of abandoned house Elevation: 1648 feet	07 Sep 1997	W. Broderick
** genus: <i>Capsella</i> <i>Capsella bursa-pastoris</i> (A25294) shepherd's-purse (alien)	Town of Grafton: Dyken Pond Environmental Education Center: lawn e. of driveway at director's residence Elevation: 1657 ft.	17 Aug 1997	D. Hunt, W. Broderick, & C. Temple
** genus: <i>Carex</i> <i>Carex annectens</i> var. <i>annectens</i> (A25619) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: old field ne. of barn, just s. of e. end of air monitoring station Elevation: 1670 ft.	17 Aug 1997	D. Hunt, W. Broderick, & C. Temple
<i>Carex brunnescens</i> var. <i>brunnescens</i> (A23088) sedge (native)	Town of Berlin: Dyken Pond Environmental Education Center, R corner of Witchnibble trail and road, facing trail Elevation: 1640 ft.	10 Jul 1996	B. Eastman, det. G. Tucker
<i>Carex canescens</i> (A24923) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center, ne. edge of small wetland W. of director's residence Elevation: 1650 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Temple
<i>Carex debilis</i> var. <i>rudgei</i> (A24922) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: e. side of Cherry Trace trail, short distance n. of Dyken Pond Road Elevation: 1655 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Temple
<i>Carex deyeyana</i> (A23405) sedge (native)	Dyken Pond Environmental Education Center: west side of old road running north from director's residence, on Lapi des property, short distance north of Center's north boundary	01 Jun 1996	D.M. Hunt, ver. R. Ingalls, 2/97

<i>Carex echinata</i> (A23053) sedge (native)	Town of Berlin: Dyken Pond Environmental Education Center, 1 ft. from lake by picnic table, off Witchhobble trail, facing road Elevation: 1640 ft.	28 Jun 1996	B. Eastman, ver. G. Tucker
<i>Carex folliculata</i> (A24939) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: nw. end of "Otter Cove" bay of Dyken Pond Elevation: 1623 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Tempe
<i>Carex gynandra</i> (A24977) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #2 on Koch subdivision, n. side of Dyken Pond Road just e. of stream crossing, ca. 10 ft. n. of road edge Elevation: 1605 feet	01 Jul 1997	R. Ingalls & W. Broderick
<i>Carex intumescens</i> (A23085) sedge (native)	Town of Berlin: Dyken Pond Environmental Education Center, on the L side of the road, 20 ft. E of Water Trail trailhead Elevation: 1640 ft.	10 Jul 1996	B. Eastman
<i>Carex laxiflora</i> var. <i>taxiflora</i> (A23084) sedge (native)	Town of Berlin: Dyken Pond Environmental Education Center, on the L side of the road, 20 ft. E of Water Trail trailhead Elevation: 1640 ft.	10 Jul 1996	B. Eastman, ver. W. Broderick, 1/97
<i>Carex leptalea</i> (A24938) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: forested of spruce/fir swamp, s. of boardwalk in e. side of wetland Elevation: 1675 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Tempe
<i>Carex lurida</i> (A24978) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #2 on Koch subdivision, n. side of Dyken Pond Road just e. of stream crossing, ca. 10 ft. n. of road edge Elevation: 1605 feet	01 Jul 1997	R. Ingalls & W. Broderick
<i>Carex normalis</i> (A24982) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: e. side of Long Trail, ca. 200 ft. s. of barricade, s. of Dyken Pond Road Elevation: 1640 feet	01 Jul 1997	R. Ingalls & W. Broderick
<i>Carex paucula</i> var. <i>irrigua</i> (A25012) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: e. side of Long Trail, ca. 200 ft. s. of barricade, s. of Dyken Pond Road Elevation: 1640 feet	01 Jul 1997	R. Ingalls & W. Broderick
<i>Carex pensylvanica</i> (A2306) sedge (native)	Dyken Pond Environmental Education Center: West side of old road running north from director's residence, on Lapiides property, short distance north of Center's north boundary	01 Jun 1996	D.M. Hunt, ver. R. Ingalls, 2/97
<i>Carex radiata</i> (A24935) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: e. side of mixed area e. of director's residence, just w. of hemlock grove Elevation: 1660 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Tempe

<i>Carex rostrata</i> var. <i>utriculata</i> (A25295) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: open spruce/fir swamp, center of wetland, ca. 20 ft. s. of boardwalk Elevation: 1675 ft.	17 Aug 1997	D. Hunt, W. Broderick, & C. Tempe, ver. R. Ingalls
<i>Carex scoparia</i> var. <i>scoparia</i> (A23090) sedge (native)	Town of Berlin: Dyken Pond Environmental Education Center, lakeside 120 ft. S of 1st cabin Elevation: 1640 ft.	10 Jul 1996	B. Eastman, det. G. Tucker, ver. W. Broderick 7/97
<i>Carex stipata</i> (A24920) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: sw. edge of small wetland w. of director's residence Elevation: 1650 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Tempe
<i>Carex swanii</i> (A24983) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: e. side of Long Trail, ca. 200 ft. s. of barricade, s. of Dyken Pond Road Elevation: 1640 feet	01 Jul 1997	R. Ingalls & W. Broderick
<i>Carex tenera</i> (A25027) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: Osgood parcel, n. end of old former hay meadow Elevation: 1780 ft.	10 Jul 1997	R. Ingalls & W. Broderick
<i>Carex trisperma</i> var. <i>trisperma</i> (A24975) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 on Koch subdivision, nw. portion of wetland south of old house on Dyken Pond Road Elevation: 1585 feet	01 Jul 1997	R. Ingalls & W. Broderick
<i>Carex vulpinoidea</i> (A24980) sedge (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #2 on Koch subdivision, n. side of Dyken Pond Road just e. of stream crossing, ca. 10 ft. n. of road edge Elevation: 1605 feet	01 Jul 1997	R. Ingalls & W. Broderick
** genus: <i>Centaurea</i> <i>Centaurea jacea</i> (A22714) brown knapweed (alien)		01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
<i>Centaurea maculosa</i> (A25606) bushy knapweed (alien)	Town of Grafton: Dyken Pond Environmental Education Center: parcel #2 in Koch subdivision, n. side of Dyken Pond Road, short distance e. of stream crossing Elevation: 1610 ft.	30 Aug 1997	R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls
** genus: <i>Ceratium</i> <i>Ceratium fontarum</i> (A22066) common mouse-ear (alien)		02 Jul 1996	B. Eastman
** genus: <i>Chamaedaphne</i> <i>Chamaedaphne calyculata</i> (A23049) leatherleaf (native)		28 Jun 1996	B. Eastman

** genus: Chamaesyce Chamaesyce vermiculata (A25608) hairy spurge (native)	Town of Grafton: Dyken Pond Environmental Education Center: parcel #2 in Koch subdivision, n. side of Dyken Pond Road, short distance w. of stream crossing Elevation: 1610 ft.	30 Aug 1997	R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls
** genus: Chelone Chelone glabra (A21863) turtle-heads (native)	Town of Grafton, Dyken Pond Environmental Education Center, nw. of vegetable garden, n. of director's residence Elevation: 1654 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
** genus: Chenopodium Chenopodium album var. album (A25070) Lamb's-quarters (alien)	Town of Grafton: Dyken Pond Environmental Education Center: n. end of vegetable garden just n. of director's residence Elevation: 1655 ft.	23 Jul 1997	W. Broderick
** genus: Chrysosplenium Chrysosplenium americanum (A23978) golden saxifrage (native)	Town of Grafton: Dyken Pond Environmental Education Center: s. end of spruce/fir swamp, on LaPrides property, few hundred feet n. of Long Trail, e. of Teal Brook Elevation: 1630 ft.	26 May 1997	W. Broderick & D. Hoyts
** genus: Cinna Cinna latifolia (A25129) drooping woodreed (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #3 on Koch subdivision, short distance s. of large open wetland, below outlet s. of old beaver dam Elevation: 1630 ft.	30 Jul 1997	R. Ingalls, W. Broderick, & S. Ingalls
** genus: Cirsium Cirsium arvense (A25278) Canada thistle (alien)	Town of Grafton: Dyken Pond Environmental Education Center: n. side of Dyken Pond Road, just e. of McFall's Trail head Elevation: 1640 ft.	10 Aug 1997	W. Broderick
Cirsium vulgare (A21864) bull-thistle (alien)	Town of Grafton, Dyken Pond Environmental Education Center, w. side of main trail, just ne. of vegetable garden, n. of director's residence Elevation: 1656 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
** genus: Claytonia Claytonia caroliniana (A23967) carolina spring-beauty (native)	Town of Berlin: Dyken Pond Environmental Education Center: just sw. of storage cabin between Cabins 1 & 2, and n. of intermittent stream Elevation: 1635 ft.	11 May 1997	W. Broderick
** genus: Clematis Clematis virginiana (A21782) virgin's-bower (native)	Town of Grafton, Dyken Pond Environmental Education Center, s. side of Dyken Pond Road, where Teal Brook crosses road Elevation: 1620 ft.	06 Sep 1996	W. Broderick

** genus: Clethra Clethra alnifolia (A24992) white alder (native - introduced)	Town of Grafton: Dyken Pond Environmental Education Center: West portion of small spruce/fir swamp, ca. 20 ft. n. of boardwalk Elevation: 1675 feet	06 Jul 1997	W. Broderick
** genus: Clinopodium Clinopodium vulgare (A25285) basil (alien)	Town of Berlin: Dyken Pond Environmental Education Center: e. side of Witch Hobble trail (old road) just n. of storage building Elevation: 1635 ft.	17 Aug 1997	W. Broderick & C. Tempé
** genus: Clintonia Clintonia borealis (A23076) woodlily (native)	Town of Berlin: Dyken Pond Environmental Education Center, R corner of road and Water trail Elevation: 1640 ft.	27 Jun 1996	B. Eastman
** genus: Coptis Coptis trifolia (A23045) goldthread (native)	Town of Berlin: Dyken Pond Environmental Education Center, 100 ft. W of lake, 44 paces from post #3, on right Elevation: 1640 ft.	28 Jun 1996	B. Eastman
** genus: Coreopsis Coreopsis lanceolata (A24958) coreopsis (alien)	Town of Grafton: Dyken Pond Environmental Education Center: hillside at sw. corner of old field ne. of barn Elevation: 1662 feet	29 Jun 1997	W. Broderick
** genus: Cornus Cornus canadensis (A23051) bunchberry (native)	Town of Berlin: Dyken Pond Environmental Education Center, 15 ft. from lake 25 paces N of post #10, on L Witchhobble trail, facing road Elevation: 1640 ft.	28 Jun 1996	B. Eastman
Corinus foemina ssp. racemosa (A24944) gray dogwood (native)	Town of Grafton: Dyken Pond Environmental Education Center: n. side of Dyken Pond Road, few hundred ft. e. of McFalls Trail Elevation: 1640 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Tempé
** genus: Coronilla Coronilla varia (A24994) crown-vetch (alien)	Town of Grafton: Dyken Pond Environmental Education Center: n. side of Dyken Pond Road, ca. 100 ft. w. of Cherry Trace trail Elevation: 1655 feet	06 Jul 1997	W. Broderick
** genus: Crataegus Crataegus (A2628) hawthorn (native)	Town of Berlin: Dyken Pond Environmental Education Center: Lapides property, woods s. of open area n. of Long Trail Elevation: 1680 ft.	05 Aug 1997	W. Broderick
** genus: Cyrtipedium Cyrtipedium aculeatum (A24907) pink ladyslipper (native)	Town of Berlin: Dyken Pond Environmental Education Center: w. side of Witch Hobble Trail, ca. 100 ft. s. of station #3 Elevation: 1645 feet	12 Jun 1997	W. Broderick

** genus: <i>Dactylis</i> <i>Dactylis glomerata</i> (A24925) orchard grass (alien)	Town of Grafton: Dyken Pond Environmental Education Center: short distance sw. of director's residence, e. of small wetland Elevation: 1653 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Temple
** genus: <i>Danthonia</i> <i>Danthonia spicata</i> (A25026) poverty-grass (native)	Town of Grafton: Dyken Pond Environmental Education Center: Osgood parcel, n. end of old former hay meadow Elevation: 1780 ft.	10 Jul 1997	R. Ingalls & W. Broderick
** genus: <i>Dennstaedtia</i> <i>Dennstaedtia punctilobula</i> (A23055) hay-scented fern (native)	Town of Berlin: Dyken Pond Environmental Education Center, in front of storage building to the L of Witchhobble trail Elevation: 1640 ft.	28 Jun 1996	B. Eastman
** genus: <i>Deschampsia</i> <i>Deschampsia flexuosa</i> (A23086) common hairgrass (native)	Town of Berlin: Dyken Pond Environmental Education Center, 30 ft. behind 1st cabin to the R off lawn, facing cabin Elevation: 1640 ft.	10 Jul 1996	B. Eastman, det. G. Tucker
** genus: <i>Dianthus</i> <i>Dianthus armeria</i> (A25046) Deptford pink (alien)	Town of Grafton: Dyken Pond Environmental Education Center: sw. portion of old field ne. of barn, w. of Abbt Farm trail Elevation: 1665 ft.	13 Jul 1997	W. Broderick
** genus: <i>Diervilla</i> <i>Diervilla lonicera</i> (A24962) bush honeysuckle (native)	Town of Grafton: Dyken Pond Environmental Education Center: old field ne. of barn, just n. of air monitoring station at wooden sign Elevation: 1670 feet	29 Jun 1997	W. Broderick
** genus: <i>Digitaria</i> <i>Digitaria ischaemum</i> (A25596) smooth crabgrass (native)	Town of Grafton: Dyken Pond Environmental Education Center: Broderick Olsen property, n. side of Dyken Pond Road, short distance e. of Teal Brook crossing Elevation: 1620 ft.	30 Aug 1997	R. Ingalls/D. Hunt/W. Broderick, S. Ingalls, det. R. Ingalls
** genus: <i>Digitaria sanguinalis</i> (A25517) tall crabgrass (alien)	Town of Grafton: Dyken Pond Environmental Education Center: edge of sand pile at se. corner of lawn e. of director's residence Elevation: 1660 feet	03 Sep 1997	W. Broderick, ver. R. Ingalls
** genus: <i>Drosera</i> <i>Drosera rotundifolia</i> (A23063) sundew (native)	Town of Berlin: Dyken Pond Environmental Education Center, 1 ft. from lake by picnic table, off Witchhobble trail Elevation: 1640 ft.	02 Jul 1996	B. Eastman

** genus: <i>Dryopteris</i> <i>Dryopteris campyloptera</i> (A24932) mountain wood fern (native)	Town of Grafton: Dyken Pond Environmental Education Center: e. side of Bog Brook, ca. midway between open area nw. of director's residence and wooden foot bridge Elevation: 1655 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Temple
<i>Dryopteris carthusiana</i> (A23025) spindlewood fern (native)	Town of Berlin: Dyken Pond Environmental Education Center, R corner of road and Water trail Elevation: 1640 ft.	27 Jun 1996	B. Eastman
<i>Dryopteris cristata</i> (A21845) crested wood fern (native)	Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, w. side of Teal Brook trail, ca. 200 feet n. of trail beginning at Dyken Pond Road Elevation: 1622 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
<i>Dryopteris intermedia</i> (A23077) fancy fern (native)	Town of Grafton: Dyken Pond Environmental Education Center: Broderick/Olsen property, w. side of Teal Brook Trail, ca. 200 ft. from trail head at Dyken Pond Road, elevation 1622 feet	09 Jun 1997	W. Broderick, ver. R. Ingalls
<i>Dryopteris x boottii</i> (A24948) Boott's wood fern (native)	Town of Grafton: Dyken Pond Environmental Education Center: s. end of spruce/fir swamp, on Lapidés property, few hundred feet n. of Long Trail, e. of Teal Brook Elevation: 1630 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Temple
** genus: <i>Dulichium</i> <i>Dulichium arundinaceum</i> (A25052) three-way sedge (native)	Town of Berlin: Dyken Pond Environmental Education Center: s. side of center of boggy island in se. part of Dyken Pond Elevation: 1622 ft.	14 Jul 1997	W. Broderick & D. Hoyns, det. P. Weatherbee
** genus: <i>Echinochloa</i> <i>Echinochloa muricata</i> var. <i>microstachya</i> (A25288) cocksfoot grass (native)	Town of Grafton: Dyken Pond Environmental Education Center: s. side of Dyken Pond Road, just w. of crossing of Teal brook Elevation: 1620 ft.	17 Aug 1997	D. Hunt, W. Broderick, & C. Temple
** genus: <i>Echium</i> <i>Echium vulgare</i> (A24955) blue-devil (alien)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #2 in Koch subdivision, n. side of Dyken Pond Road, just e. of old house Elevation: 1640 feet	23 Jun 1997	W. Broderick
** genus: <i>Elaeagnus</i> <i>Elaeagnus umbellata</i> (A24880) oleaster (alien)	Town of Berlin: Dyken Pond Environmental Education Center: side of hill ne. of barn Elevation: 1670 feet	07 Jun 1997	W. Broderick & C. Temple
** genus: <i>Elatine</i> <i>Elatine minima</i> (A25268) lesser waterwort (native)	Town of Berlin: Dyken Pond Environmental Education Center: s. side of Dyken Pond, at se. edge of small forested island Elevation: 1622 ft.	27 Jul 1997	W. Broderick & T. Flood, ver. R. Ingalls

** genus: <i>Eleocharis</i> <i>Eleocharis acicularis</i> (A25274) hairgrass (native)	Town of Berlin: Dyken Pond Environmental Education Center: s. edge central portion of boggy island near se. corner of Dyken Pond Elevation: 1622 ft.	08 Aug 1997	W. Broderick
<i>Eleocharis elliptica</i> var. <i>elliptica</i> (A25138) slender spikerush (native)	Town of Berlin: Dyken Pond Environmental Education Center: at n. edge of boggy island near se. corner of Dyken Pond Elevation: 1622 ft.	27 Jul 1997	W. Broderick & T. Flood, det. P. Weatherbee
<i>Eleocharis flavescens</i> (A25612) spikerush (native)	Town of Grafton: Dyken Pond Environmental Education Center: nw. portion of "Otter Cove" bay in w. side of Dyken Pond Elevation: 1623 ft.	31 Aug 1997	W. Broderick, ver. R. Ingalls
<i>Eleocharis obtusa</i> var. <i>obtusa</i> (A21856) creeping spikerush (native)	Town of Grafton, Dyken Pond Environmental Education Center, s. edge of small wetland, w. of director's residence and n. of Dyken Pond Road Elevation: 1650 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, N. Reich, ver. WB 7/97
** genus: <i>Elytrigia</i> <i>Elytrigia repens</i> (A24943) quackgrass (alien)	Town of Berlin: Dyken Pond Environmental Education Center: at s. end of Dyken Pond, in cove w. of dam and s. of Center property Elevation: 1622 ft.	27 Jul 1997	W. Broderick & T. Flood, det. P. Weatherbee
** genus: <i>Epifagus</i> <i>Epifagus virginiana</i> (A21834) beech-drops (native)	Town of Grafton: Dyken Pond Environmental Education Center: s. side of Dyken Pond Road, opposite small wetland just w. of director's residence Elevation: 1651 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Temple
** genus: <i>Epigaea</i> <i>Epigaea repens</i> (A23954) trailing arbutus (native)	Town of Berlin, Dyken Pond Environmental Education Center, w. of Witch Hobble trail, ca. 100 feet s. of Cabin #3 Elevation: 1630 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
** genus: <i>Epilobium</i> <i>Epilobium ciliatum</i> ssp. <i>ciliatum</i> (A25604) purple-leaf willow-herb (native)	Town of Grafton: Dyken Pond Environmental Education Center: "sand pit" located midway between Bog Brook and Cherry Trace, ca. .1 mi. nw. of director's residence Elevation: 1675 ft.	07 May 1997	W. Broderick
Epilobium coloratum (A21623) purple-leaf willow-herb (native)	Town of Grafton: Dyken Pond Environmental Education Center, south side of Dyken Pond Road, ca. 10 feet e. of barrier on Long Trail Elevation: 1640 ft.	30 Aug 1997	R. Ingalls & W. Broderick
Epilobium leptophyllum (A25583) purple-leaf willow-herb (native)	Town of Grafton: Dyken Pond Environmental Education Center: parcel #1 in Koch subdivision, semi-open wetland s. of Dyken Pond Road, in w. side of wetland Elevation: 1585 ft.	30 Aug 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls

*Eliplobium palustre* (A25584)  
marsh willow-herb (native)

Town of Grafton: Dyken Pond Environmental Education Center: parcel #1 in Koch subdivision, semi-open wetland s. of Dyken Pond Road, in w. side of wetland Elevation: 1585 ft.

30 Aug 1997 R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls

\*\* genus: *Epipactis*  
*Epipactis helleborine* (A25283)  
helleborine (alien)

Town of Berlin: Dyken Pond Environmental Education Center: s. side of middle of cabin 2 Elevation: 1630 ft.

17 Aug 1997 W. Broderick & C. Tempé

\*\* genus: *Equisetum*  
*Equisetum arvense* (A24956)  
common horsetail (native)

Town of Grafton: Dyken Pond Environmental Education Center: s. side of Dyken Pond Road, opposite small wetland just w. of director's residence Elevation: 1653 feet

23 Jun 1997 W. Broderick

\*\* genus: *Erigeron*  
*Erigeron annuus* (A23099)  
daisy-fleabane (native)

Town of Berlin: Dyken Pond Environmental Education Center, 5 ft. behind cabin #3, in lawn Elevation: 1640 ft.

17 Jul 1996 B. Eastman

\*\* genus: *Erigeron strigosus* (A25595)  
daisy-fleabane (native)

Town of Grafton: Dyken Pond Environmental Education Center: n. side of Dyken Pond Road, short distance e. of McRalls Trail Elevation: 1635 ft.

30 Aug 1997 R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls

\*\* genus: *Eriophorum*  
*Eriophorum virginicum* (A21839)  
tawny cottongrass (native)

Town of Grafton, Dyken Pond Environmental Education Center, open spruce/fir swamp, n. of boardwalk in w. side of wetland Elevation: 1675 ft.

01 Sep 1996 R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

\*\* genus: *Eupatorium*  
*Eupatorium maculatum* var. *maculatum* (A21614)  
spotted joe-pye-weed (alien)

Town of Grafton, Dyken Pond Environmental Education Center, e. side of Long Trail, s. of Dyken Pond Road, ca. 50 ft. from road Elevation: 1645 ft.

25 Aug 1996 R. Ingalls & W. Broderick, ver. W. Broderick, 7/97

\*\* genus: *Eupatorium perfoliatum* (A21853)  
thoroughwort (native)

Town of Grafton, Dyken Pond Environmental Education Center, n. side of Dyken Pond Road, along side of small wetland just w. of Director's residence Elevation: 1651 ft.

01 Sep 1996 R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

\*\* genus: *Eupatorium rugosum* (A21785)  
white snakeroot (native)

Town of Grafton, Dyken Pond Environmental Education Center, s. side of Dyken Pond Road, ca. 1 mi. w. of director's residence, along Center's south property boundary Elevation: 1640 ft.

06 Sep 1996 W. Broderick

\*\* genus: *Euthamia*  
*Euthamia graminifolia* (A21622)  
bush goldenrod (native)

Town of Grafton, Dyken Pond Environmental Education Center, south side of Dyken Pond Road, ca. 50 feet e. of barrier on Long Trail Elevation: 1640 ft.

25 Aug 1996 R. Ingalls & W. Broderick

** genus: <i>Fagus</i> <i>Fagus grandifolia</i> (A23024) American beech (native)	Town of Berlin: Dyken Pond Environmental Education Center, R corner of road and Water trail Elevation: 1640 ft.	27 Jun 1996	B. Eastman
** genus: <i>Festuca</i> <i>Festuca trachyphylla</i> (A24931) sheep fescue (alien)	Town of Grafton: Dyken Pond Environmental Education Center: W. side of Abbt Farm Trail, short distance ne. of air monitoring station Elevation: 1670 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Tempe
** genus: <i>Fragaria</i> <i>Fragaria vesca</i> ssp. <i>vesca</i> (A21888) European strawberry (alien)	Town of Grafton: Dyken Pond Environmental Education Center, R curb of driveway Elevation: 1645 ft.	26 Jun 1996	B. Eastman, det. W. Broderick, 2/97
<i>Fragaria virginiana</i> (A23059) Wild strawberry (native)	Town of Berlin: Dyken Pond Environmental Education Center, to the left of water trail from the road, 75 ft. NW of 2nd cabin Elevation: 1640 ft.	02 Jul 1996	B. Eastman
** genus: <i>Fraxinus</i> <i>Fraxinus americana</i> (A25277) White ash (native)	Town of Grafton: Dyken Pond Environmental Education Center: ne. corner of former hay meadow on Osgood parcel Elevation: 1780 ft.	10 Aug 1997	W. Broderick
** genus: <i>Galeopsis</i> <i>Galeopsis tetrahit</i> (A21792) hemp-nettle (alien)	Town of Grafton, Dyken Pond Environmental Education Center, e. side of main north-south running trail, along W. side of barn Elevation: 1655 ft.	06 Sep 1996	W. Broderick
** genus: <i>Galinsoga</i> <i>Galinsoga quadriradiata</i> (A21858) quickweed (alien)	Town of Grafton, Dyken Pond Environmental Education Center, in vegetable garden, n. of director's residence Elevation: 1655 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
** genus: <i>Galium</i> <i>Galium asprellum</i> (A23092) rough bedstraw (native)	Town of Berlin: Dyken Pond Environmental Education Center, Lakeside 120 ft. S of 1st cabin Elevation: 1640 ft.	15 Jul 1996	B. Eastman
<i>Galium mollugo</i> (A26929) white bedstraw (alien)	Town of Grafton: Dyken Pond Environmental Education Center: ca. 20 ft. e. of vegetable garden n. of director's residence Elevation: 1670 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Tempe
<i>Galium palustre</i> (A22243) ditch bedstraw (native)	Town of Grafton, Dyken Pond Environmental Education Center, open spruce/fir swamp, n. of boardwalk in e. side of wetland Elevation: 1675 ft.	16 Sep 1996	W. Broderick
<i>Galium tinctorium</i> (A24976) bedstraw (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 on Koch subdivision, nw. portion of wetland south of old house on Dyken Pond Road Elevation: 1585 feet	01 Jul 1997	R. Ingalls & W. Broderick

*Gaultheria triflorum* (A25022)  
sweet-scented bedstraw (native)

Town of Grafton: Dyken Pond Environmental Education  
Center: Osgood parcel, n. end of old former hay meadow  
Elevation: 1780 ft.

10 Jul 1997 R. Ingalls & W. Broderick

\*\* genus: *Gaultheria*  
*Gaultheria hispida* (A21838)  
creeping snow-berry (native)

Town of Grafton, Dyken Pond Environmental Education  
Center, Broderick/Olsen property, along w. side of Teal  
Brook trail, opposite *Pinus strobus* and *Goodyera*  
*pubescens*, ca. .1 mi. from Dyken Pond Road  
Elevation: 1630 ft.

01 Sep 1996 R. Ingalls, W. Broderick, S.  
Ingalls, & N. Reich

\*\* genus: *Gaultheria procumbens* (A23046)  
wintergreen (native)

Town of Berlin: Dyken Pond Environmental Education  
Center, 30 ft. from lake, 27 paces from post #5, on left  
headed toward road Elevation: 1640 ft.

B. Eastman

\*\* genus: *Gentiana*  
*Gentiana clausa* (A25518)  
blind gentian (native)

Town of Berlin: Dyken Pond Environmental Education  
Center: open spruce-fir swamp, in center of wetland, ca.  
10 ft. n. of boardwalk Elevation: 1675 feet

03 Sep 1997 W. Broderick

\*\* genus: *Geum*  
*Geum canadense* (A23097)  
white avens (native)

Town of Berlin: Dyken Pond Environmental Education  
Center, SW of 2nd cabin, off road, on R, facing  
cabin #3 Elevation: 1640 ft.

B. Eastman

\*\* genus: *Glechoma*  
*Glechoma hederacea* (A21874)  
ground-ivy (alien)

Town of Grafton: Dyken Pond Environmental Education  
Center, right corner of driveway, facing house  
Elevation: 1645 ft.

26 Jun 1996 B. Eastman

\*\* genus: *Glyceria*  
*Glyceria borealis* (A25074)  
northern mannagrass (native)

Town of Berlin: Dyken Pond Environmental Education  
Center: ne. end of small bay on w. side of Dyken Pond,  
just s. of South Long Pond Elevation: 1622 ft.

20 Jul 1997 W. Broderick & T. Flood, det. P.  
Weatherbee

\*\* genus: *Glyceria canadensis* (A21849)  
rattlesnake grass (native)

Town of Grafton, Dyken Pond Environmental Education  
Center, se. corner of small wetland w. of director's  
residence and n. side of Dyken Pond Road  
Elevation: 1650 ft.

01 Sep 1996 R. Ingalls, W. Broderick, S.  
Ingalls, & N. Reich

\*\* genus: *Glyceria grandis* (A25025)  
reed meadowgrass (native)

Town of Grafton: Dyken Pond Environmental Education  
Center: Lot #1 on Koch subdivision, nw. portion of  
wetland south of old house on Dyken Pond Road  
Elevation: 1585 ft.

10 Jul 1997 R. Ingalls & W. Broderick

\*\* genus: *Glyceria melicaria* (A24974)  
slender mannagrass (native)

Town of Grafton: Dyken Pond Environmental Education  
Center: Lot #1 on Koch subdivision, nw. portion of  
wetland south of old house on Dyken Pond Road  
Elevation: 1585 feet

01 Jul 1997 R. Ingalls & W. Broderick

Glyceria striata (A24934) fowl managrass (native)	Town of Grafton: Dyken Pond Environmental Education Center, ne. edge of small wetland w. of director's residence Elevation: 1650 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Temp
** genus: Goodyera Goodyera pubescens (A21308) downy rattlesnake-plantain (native)	Town of Grafton, Broderick/Olsen property, along Teal Brook Trail, ca. .1 mi. from Dyken Pond Road Elevation: 1630 ft.	05 Aug 1996	W. Broderick
Goodyera tesselata (A24899) rattlesnake plantain (native)	Town of Grafton: Dyken Pond Environmental Education Center: trail connecting Long Trail with old logging road on Lot #4 of Koch subdivision Elevation: 1665 feet	09 Jun 1997	W. Broderick
** genus: Helonias Helonias bullata (A24875) swamp pink (native - introduced)	Town of Grafton: Dyken Pond Environmental Education Center: open spruce/fir swamp, center of wetland, ca. 2 ft. n. of boardwalk Elevation: 1675 feet	07 Jun 1997	W. Broderick & C. Temp
** genus: Hemerocallis Hemerocallis fulva (A21851) orange day-lily (alien)	Town of Grafton, Dyken Pond Environmental Education Center, s. side of Dyken Pond Road, opposite director's residence Elevation: 1653 ft.	01 Sep 1996	R. Ingalls, W. Broderick, Ingalls, & N. Reich
** genus: Hieracium Hieracium aurantiacum (A23021) orange hawkweed (alien)	Town of Grafton: Dyken Pond Environmental Education Center, 20 ft. N of road and 30 ft. W of the gate to the water Elevation: 1645 ft.	26 Jun 1996	B. Eastman
Hieracium caespitosum (A21879) king-devil (alien)	Town of Grafton: Dyken Pond Environmental Education Center, 20 ft. W of gate to water on the L. roadside, facing gate Elevation: 1645 ft.	25 Jun 1996	B. Eastman
** genus: Hyperzia Hyperzia lucidula (A21784) shining firmoss (native)	Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, along f. side of Teal Brook Trail, ca. .1 mi. from Dyken Pond Road Elevation: 1630 ft.	06 Sep 1996	W. Broderick
** genus: Hydrocotyle Hydrocotyle americana (A22245) pennywort (native)	Town of Grafton, Dyken Pond Environmental Education Center, open spruce/fir swamp, n. of boardwalk in center of wetland Elevation: 1675 ft.	16 Sep 1996	W. Broderick
** genus: Hypericum Hypericum mutillum (A25273) dwarf st. John's-wort (native)	Town of Berlin: Dyken Pond Environmental Education Center: central portion of boggy island near se. corner of Dyken Pond Elevation: 1624 ft.	08 Aug 1997	W. Broderick

*Hypericum perforatum* (A24990)  
common St. John's-wort (alien)

Town of Grafton: Dyken Pond Environmental Education  
Center: W. side of Abbt Farm trail, at s. side of air  
monitoring station Elevation: 1667 feet

06 Jul 1997

W. Broderick

\*\* genus: *Ilex*  
*Ilex verticillata* (A21786)  
black alder (native)

Town of Grafton, Dyken Pond Environmental Education  
Center, open spruce/fir swamp, n. of boardwalk in w.  
side of wetland Elevation: 1675 ft.

06 Sep 1996

W. Broderick

\*\* genus: *Impatiens*  
*Impatiens capensis* (A23098)  
spotted jewelweed (native)

Town of Berlin: Dyken Pond Environmental Education  
Center, 100 ft. SW of 2nd cabin, off road, on R, facing  
cabin #3 Elevation: 1640 ft.

17 Jul 1996

B. Eastman

\*\* genus: *Iris*  
*Iris pseudacorus* (A24959)  
yellow iris (native - introduced)

Town of Grafton: Dyken Pond Environmental Education  
Center: Broderick/Olsen property, Teal Brook, short  
distance n. of large glacial erratic Elevation:  
1630 feet

29 Jun 1997

W. Broderick

\*\* genus: *Iris*  
*Iris versicolor* (A21268)  
blue flag (native)

Town of Grafton, Dyken Pond Environmental Education  
Center, along north side of Dyken Pond Road, ca. 2 mi.  
from South Road, just west of terminus of Teal Brook  
Trail, ca. 20 feet from road Elevation: 1610 ft.

06 Jul 1996

W. Broderick

\*\* genus: *Isoetes*  
*Isoetes echinospora* (A25269)  
stiff quillwort (native)

Town of Berlin: Dyken Pond Environmental Education  
Center: bay at sw. corner of Dyken Pond, ca. 20 ft. from  
shore Elevation: 1622 ft.

27 Jul 1997

W. Broderick & T. Flood, ver. R.  
Ingalls

\*\* genus: *Juncus*  
*Juncus brevicaudatus* (A21855)  
narrow-panicked rush (native)

Town of Grafton, Dyken Pond Environmental Education  
Center, n. edge of small wetland, w. of director's  
residence and n. of Dyken Pond Road Elevation:  
1650 ft.

01 Sep 1996

R. Ingalls, W. Broderick, S.  
Ingalls, & N. Reich

\*\* genus: *Juncus*  
*Juncus canadensis* (A21843)  
Canada rush (native)

Town of Grafton, Dyken Pond Environmental Education  
Center, open spruce/fir swamp, s. of boardwalk in center  
of wetland Elevation: 1675 ft.

01 Sep 1996

R. Ingalls, W. Broderick, S.  
Ingalls, & N. Reich

\*\* genus: *Juncus*  
*Juncus effusus* var. *solutus* (A21850)  
common rush (native)

Town of Grafton, Dyken Pond Environmental Education  
Center, se. corner of small wetland w. of director's  
residence and n. side of Dyken Pond Road Elevation: 1650 ft.

01 Sep 1996

R. Ingalls, W. Broderick, S.  
Ingalls, & N. Reich

\*\* genus: *Juncus*  
*Juncus tenuis* (A23095)  
slender yard-rush (native)

Town of Berlin: Dyken Pond Environmental Education  
Center, behind cabin #2 off Witchhobble Rd./trail, L  
lawn, facing cabin Elevation: 1660 ft.

15 Jul 1996

B. Eastman

** genus: <i>Juniperus</i> <i>Juniperus virginiana</i> (A24908) eastern red cedar (native - introduced)	Town of Grafton: Dyken Pond Environmental Education Center: e. side of old house foundation, s. of Dyken Pond Road & e. of Long Trail Elevation: 1645 feet	12 Jun 1997	W. Broderick
** genus: <i>Kalmia</i> <i>Kalmia angustifolia forma candida</i> (A21254) sheep laurel (native)	Town of Grafton, Dyken Pond Center, open spruce-fir swamp on Long Trail, south side of boardwalk in center of swamp, ca. 20 ft. from boardwalk Elevation: 1685 ft.	29 Jun 1996	W. Broderick
<i>Kalmia angustifolia</i> (A24961) sheep laurel (native)	Town of Grafton: Dyken Pond Environmental Education Center: old field ne. of barn, ca. 50 ft. n. of air monitoring station Elevation: 1670 feet	29 Jun 1997	W. Broderick
<i>Kalmia polifolia</i> (A22242) bog laurel (native)	Town of Grafton, Dyken Pond Environmental Education Center, open spruce/fir swamp, s. of boardwalk in center of wetland Elevation: 1675 ft.	16 Sep 1996	W. Broderick
** genus: <i>Lactuca</i> <i>Lactuca biennis</i> (A21617) Wild lettuce (native)	Town of Grafton, Dyken Pond Environmental Education Center, e. side of Long Trail, s. of Dyken Pond Road, ca. 20 ft. from road Elevation: 1642 ft.	25 Aug 1996	R. Ingalls & W. Broderick
<i>Lactuca canadensis var. canadensis</i> (A25130) Wild lettuce (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #2 on Koch subdivision, n. side of Dyken Pond Road, short distance w. of stream crossing Elevation: 1610 ft.	30 Jul 1997	R. Ingalls, W. Broderick, & S. Ingalls
** genus: <i>Laportea</i> <i>Laportea canadensis</i> (A23072) Wood-nettle (native)	Town of Berlin: Dyken Pond Environmental Education Center, R corner of Witchobble trail and road, facing trail Elevation: 1640 ft.	03 Jul 1996	B. Eastman
** genus: <i>Leersia</i> <i>Leersia oryzoides</i> (A21626) rice cutgrass (native)	Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, west side of Teal Brook ca. 500 n. of road Elevation: 1623 ft.	06 Sep 1996	W. Broderick, ver. W. Broderick 7/97
** genus: <i>Leersia</i> <i>Leersia virginica</i> (A25601) Whitegrass (native)	Town of Grafton, Dyken Pond Environmental Education Center, ca. 5 ft. from east side of boardwalk on Long Trail leading across Dustin Swamp, ca. 10 ft. from end of boardwalk Elevation: 1610 ft.	25 Aug 1996	R. Ingalls & W. Broderick
Leersia virginica (A25601) Whitegrass (native)	Town of Grafton: Dyken Pond Environmental Education Center: parcel #1 in Koch subdivision, s. side of Dyken Pond Road, short distance w. of Catlin property Elevation: 1615 ft.	30 Aug 1997	R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls

** genus: <i>Leonurus</i> <i>Leonurus cardiaca</i> (A25069) motherwort (alien)	Town of Grafton: Dyken Pond Environmental Education Center: ca. 50 ft. se. of director's residence, at corner of driveway under <i>Pinus strobus</i> Elevation: 1650 ft.	23 Jul 1997	W. Broderick
** genus: <i>Leucanthemum</i> <i>Leucanthemum vulgare</i> (A21875) ox-eye daisy (alien)	Town of Grafton: Dyken Pond Environmental Education Center, right corner of driveway, facing house Elevation: 1645 ft.	26 Jun 1996	B. Eastman
** genus: <i>Linaria</i> <i>Linaria vulgaris</i> (A25299) butter-and-eggs (alien)	Town of Grafton: Dyken Pond Environmental Education Center: just e. of vegetable garden, in patch of cultivated rhubarb Elevation: 1655 ft.	20 Aug 1997	W. Broderick
** genus: <i>Lobelia</i> <i>Lobelia cardinalis</i> (A21835) cardinal-flower (native - introduced)	Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, w. edge of Teal Brook, ca. midway between large glacial erratic and foot bridge Elevation: 1635 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
** genus: <i>Lobelia inflata</i> (A21616) Indian-tobacco (native)	Town of Grafton, Dyken Pond Environmental Education Center, south side of Dyken Pond Road, at east end of barrier on Long Trail Elevation: 1640 ft.	25 Aug 1996	R. Ingalls & W. Broderick
** genus: <i>Lolium</i> <i>Lolium perenne</i> var. <i>perenne</i> (A23067) English ryegrass (alien)	Town of Berlin: Dyken Pond Environmental Education Center, 5 ft. from lake, in front of cabin #2 off Witchhobble trail Elevation: 1640 ft.	02 Jul 1996	B. Eastman, ver. W. Broderick, 12/97
** genus: <i>Lonicera</i> <i>Lonicera canadensis</i> (A23094) fly honeysuckle (native)	Town of Berlin: Dyken Pond Environmental Education Center, 30 ft. w. of storage building in streambed Elevation: 1640 ft.	15 Jul 1996	B. Eastman, det. G. Tucker
** genus: <i>Lonicera morrowii</i> (A24910) fly honeysuckle (alien)	Town of Grafton: Dyken Pond Environmental Education Center: side of hill ne. of barn Elevation 1670 feet	15 Jun 1997	W. Broderick
** genus: <i>Lotus</i> <i>Lotus corniculata</i> (A21886) bird's-foot trefoil (alien)	Town of Grafton: Dyken Pond Environmental Education Center, 50 ft. E of the woodshed Elevation: 1645 ft.	25 Jun 1996	B. Eastman
** genus: <i>Luzula</i> <i>Luzula campestris</i> var. <i>multiflora</i> (A24928) common wood-rush (alien)	Town of Grafton: Dyken Pond Environmental Education Center: w. side of Abbott Farm Trail, just n. of air monitoring station Elevation: 1670 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Tempé

\*\* genus: *Lycopodiella*  
*Lycopodiella inundata* (A25526)  
northern bog clubmoss (native)

Town of Grafton: Dyken Pond Environmental Education Center: nw. portion of "Otter Cove" bay in Dyken Pond Elevation: 1623 ft.

W. Broderick & W. Town

08 Sep 1997

\*\* genus: *Lycopodium*  
*Lycopodium annotinum* var. *annotinum* (A23039)  
bristly clubmoss (native)

Town of Berlin: Dyken Pond Environmental Education Center, 50 ft. into Water trail on the right of bridge, from road Elevation: 1640 ft.

B. Eastman, det. W. Broderick, 1/97

*Lycopodium clavatum* (A23052)  
running-cedar (native)

Town of Berlin: Dyken Pond Environmental Education Center, 2 ft. from Lake 10 paces onto side trail R, off Witchhobble trail, facing road Elevation: 1640 ft.

B. Eastman

*Lycopodium digitatum* (A23044)  
running pine (native)

Town of Berlin: Dyken Pond Environmental Education Center, across from post #1 on Witchhobble trail Elevation: 1640 ft.

B. Eastman

*Lycopodium obscurum* (A23031)  
ground-pine (native)

Town of Berlin: Dyken Pond Environmental Education Center, 20 ft. into Water trail on the right, from road Elevation: 1640 ft.

B. Eastman

\*\* genus: *Lycopus*  
*Lycopus uniflorus* (A25275)  
water-horehound (native)

Town of Grafton: Dyken Pond Environmental Education Center: w. portion of "Otter Cove" bay in w. side of Dyken Pond Elevation: 1624 ft.

W. Broderick

*Lycopus virginicus* (A21789)  
water-horehound (native)

Town of Grafton, Dyken Pond Environmental Education Center, open spruce/fir swamp, n. of boardwalk in e. side of wetland Elevation: 1675 ft.

W. Broderick

\*\* genus: *Lyonia*  
*Lyonia ligustrina* (A23047)  
maleberry (native)

Town of Berlin: Dyken Pond Environmental Education Center, at lakeshore E of post #5 Witchhobble trail Elevation: 1640 ft.

B. Eastman

\*\* genus: *Lysimachia*  
*Lysimachia quadrifolia* (A25533)  
whorled loosestrife (native)

Town of Berlin: Dyken Pond Environmental Education Center: n. side of Dyken Pond Road, short distance w. of Cherry Trace trail Elevation: 1650 ft.

R. Ingalls

D. Hunt, W. Broderick, & S. Ingalls

*Lysimachia terrestris* (A25029)  
swamp-candles (native)

Town of Grafton: Dyken Pond Environmental Education Center: Dustin Swamp s. of Dyken Pond Road, just w. of boardwalk in n. end of wetland Elevation: 1610 ft.

R. Ingalls & W. Broderick

10 Jul 1997

\*\* genus: *Maianthemum*  
*Maianthemum canadense* (A23038)  
false lily-of-the-valley (native)

Town of Berlin: Dyken Pond Environmental Education Center, 35 ft. into Water trail on the right, from road Elevation: 1640 ft.

B. Eastman

27 Jun 1996

*Maianthemum racemosum* (A23078)  
false Solomon's-seal (native)

Town of Berlin: Dyken Pond Environmental Education Center, 50 ft. into the Witchhobble trail on the right, from road  
Elevation: 1640 ft.

09 Jul 1996 B. Eastman

\*\* genus: *Malus*  
*Malus pumila* (A24107)  
common apple (alien)

Town of Grafton: Dyken Pond Environmental Education Center: w. of Teal Brook and ca. 25 ft. n. of Dyken Pond Road, midway between brook and Woods Elevation: 1620 ft.

04 Jun 1997 W. Broderick

\*\* genus: *Malva*  
*Malva neglecta* (A21889)  
cheeses (alien)

Town of Grafton, Dyken Pond Environmental Education Center, at w. edge of director's residence Elevation: 1653 ft.

01 Sep 1996 R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

\*\* genus: *Matricaria*  
*Matricaria discoidea* (A21877)  
pineapple-weed (alien)

Town of Grafton: Dyken Pond Environmental Education Center, 20 ft. west of pine tree next to house Elevation: 1645 ft.

26 Jun 1996 B. Eastman

\*\* genus: *Matricaria recutita* (A24993)  
wild chamomile (alien)

Town of Grafton: Dyken Pond Environmental Education Center: middle of vegetable garden just n. of director's residence Elevation: 1655 feet

06 Jul 1997 W. Broderick

\*\* genus: *Medeola*  
*Medeola virginiana* (A23032)  
Indian cucumber-root (native)

Town of Berlin: Dyken Pond Environmental Education Center, 20 ft. into Water trail on the right, from road Elevation: 1640 ft.

27 Jun 1996 B. Eastman

\*\* genus: *Medicago*  
*Medicago lupulina* (A25598)  
black medick (alien)

Town of Grafton: Dyken Pond Environmental Education Center: Broderick Olsen property, n. side of Dyken Pond Road, midway between Teal Brook crossing & Long Trail, opposite open old field Elevation: 1635 ft.

30 Aug 1997 R. Ingalls

\*\* genus: *Melilotus*  
*Melilotus alba* (A25076)  
white sweet-clover (alien)

Town of Grafton: Dyken Pond Environmental Education Center: s. side of Dyken Pond Road, opposite small wetland just w. of Director's residence Elevation: 1653 ft.

20 Jul 1997 W. Broderick & T. Flood

\*\* genus: *Mentha*  
*Mentha arvensis* (A21852)  
field mint (alien)

Town of Grafton, Dyken Pond Environmental Education Center, n. side of Dyken Pond Road, along side of small wetland just w. of Director's residence Elevation: 1651 ft.

01 Sep 1996 R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

\*\* genus: *Mentha*  
*Mentha spicata* (A25605)  
spearmint (alien)

Town of Grafton: Dyken Pond Environmental Education Center: parcel #1 in Koch subdivision, s. side of Dyken Pond Road, short distance w. of stream crossing Elevation: 1605 ft.

30 Aug 1997 R. Ingalls, D. Hunt, W. Broderick, S. Ingalls

\*\* genus: *Mitchella*  
*Mitchella repens* (A23028)  
partridge-berry (native)

Town of Berlin: Dyken Pond Environmental Education Center, R corner of road and Water trail Elevation: 1640 ft.

\*\* genus: *Monarda*  
*Monarda fistulosa* var. *fistulosa* (A21862)  
wild bergamont (native - introduced)

Town of Grafton, Dyken Pond Environmental Education Center, just n. of vegetable garden, n. of director's residence Elevation: 1655 ft.

\*\* genus: *Monotropa*  
*Monotropa hypopithys* (A25587)  
pinesap (native)

Town of Poestenkill: Dyken Pond Environmental Education Center: w. side of Long Trail on knoll s. of Dustin Swamp, s. of Dyken Pond Road Elevation: 1640 ft.

\*\* genus: *Monotropa uniflora* (A23100)  
Indian pipe (native)

Town of Berlin: Dyken Pond Environmental Education Center, 30 ft. SE of post #11 Witchhobble trail Elevation: 1640 ft.

\*\* genus: *Muhlenbergia*  
*Muhlenbergia frondosa* (A25602)  
Wirestem muhly (native)

Town of Grafton: Dyken Pond Environmental Education Center: parcel #1 in Koch subdivision, s. side of Dyken Pond Road, short distance w. of Cattin property Elevation: 1615 ft.

\*\* genus: *Myosotis*  
*Myosotis scorpioides* (A24942)  
forget-me-not (alien)

Town of Grafton: Dyken Pond Environmental Education Center: n. side of Dyken Pond Road, few hundred ft. e. of McFalls Trail Elevation: 1640 feet

\*\* genus: *Myrica*  
*Myrica gale* (A21787)  
sweet-gale (native)

Town of Grafton, Dyken Pond Environmental Education Center, open spruce/fir swamp, n. of boardwalk in e. side of wetland Elevation: 1675 ft.

\*\* genus: *Myriophyllum*  
*Myriophyllum farwellii* (A25140)  
Farwell's milfoil (native)

Town of Berlin: Dyken Pond Environmental Education Center: in small cove just se. of boggy island near se. corner of Dyken Pond Elevation: 1622 ft.

\*\* genus: *Nemopanthus*  
*Nemopanthus mucronatus* (A25585)  
mountain holly (native)

Town of Grafton: Dyken Pond Environmental Education Center: parcel #1 in Koch subdivision, semi-open wetland s. of Dyken Pond Road, at s. edge of center of wetland Elevation: 1585 ft.

27 Jun 1996 B. Eastman

01 Sep 1996 R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

30 Aug 1997 R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls

17 Jul 1996 B. Eastman

30 Aug 1997 R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls

21 Jun 1997 R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls

06 Sep 1996 W. Broderick

30 Aug 1997 R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls

** genus: <i>Nuphar</i> <i>Nuphar variegata</i> (A25048) common yellow cow-lily (native)	Town of Grafton: Dyken Pond Environmental Education Center: W. side of Dyken Pond, just e. of entrance to "Otter Cove", ca. 30 ft. from shore Elevation: 1622 ft.	14 Jul 1997	W. Broderick & D. Hoyns
** genus: <i>Nymphaea</i> <i>Nymphaea odorata</i> ssp. <i>odorata</i> forma <i>rubra</i> (A25049) white waterlily (native)	Town of Berlin: Dyken Pond Environmental Education Center: W. side of Dyken Pond, midway between cabin #3 and first private camp, ca. 10 ft. from shore Elevation: 1622 ft.	14 Jul 1997	W. Broderick & D. Hoyns
<i>Nymphaea odorata</i> ssp. <i>odorata</i> ("var. <i>minor</i> " Sims) (A25050) white waterlily (native)	Town of Berlin: Dyken Pond Environmental Education Center: e. side of Dyken Pond, short distance S. of boat house, ca. 10 ft. from shore Elevation: 1622 ft.	14 Jul 1997	W. Broderick & D. Hoyns
<i>Nymphaea odorata</i> ssp. <i>odorata</i> ("var. <i>rosea</i> " Pursh) (A17437) pink waterlily (native)	Town of Berlin: Dyken Pond Environmental Education Center: W. side of Dyken Pond, near S. end of Dyken Pond Center property, ca. 20 ft. from shore Elevation: 1622 ft.	27 Jul 1997	W. Broderick & T. Flood
** genus: <i>Nymphaea</i> <i>Nymphaea odorata</i> ssp. <i>odorata</i> ("var. <i>rosea</i> " Pursh) (A25051) pink waterlily (native)	Town of Berlin: Dyken Pond Environmental Education Center: e. side of Dyken Pond, at n. end of small boggy island, near shore Elevation: 1622 ft.	14 Jul 1997	W. Broderick & D. Hoyns
** genus: <i>Oenothera</i> <i>Oenothera biennis</i> (A25591) common evening-prime rose (native)	Town of Grafton: Dyken Pond Environmental Education Center: front of director's residence, between house and Dyken Pond Road Elevation: 1650 ft.	30 Aug 1997	R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls
** genus: <i>Onoclea</i> <i>Onoclea sensibilis</i> (A23016) sensitive fern (native)	Town of Grafton: Dyken Pond Environmental Education Center, R curb of driveway Elevation: 1645 ft.	26 Jun 1996	B. Eastman
** genus: <i>Osmunda</i> <i>Osmunda cinnamomea</i> (A23058) cinnamon fern (native)	Town of Berlin: Dyken Pond Environmental Education Center, in front of storage building to the L of Witchhobble trail Elevation: 1640 ft.	28 Jun 1996	B. Eastman
<i>Osmunda claytoniana</i> (A23071) interrupted fern (native)	Town of Berlin: Dyken Pond Environmental Education Center, 50 ft. into the Witchhobble trail on the right, from road Elevation: 1640 ft.	02 Jul 1996	B. Eastman
<i>Osmunda regalis</i> var. <i>spectabilis</i> (A21798) royal fern (native)	Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, W. side of Teal Brook trail, ca. 350 feet n. of trail beginning at Dyken Pond Road Elevation: 1623 ft.	06 Sep 1996	W. Broderick
** genus: <i>Oxalis</i> <i>Oxalis montana</i> (A23030) common wood-sorrel (native)	Town of Berlin: Dyken Pond Environmental Education Center, 5 ft. into Water trail on the right from road Elevation: 1640 ft.	27 Jun 1996	B. Eastman

*Oxalis stricta* (A23096)  
lady's-sorrel (native)

Town of Berlin: Dyken Pond Environmental Education Center, behind cabin #2 off Witchhobble Rd./trail, L lawn, facing cabin Elevation: 1640 ft.

15 Jul 1996 B. Eastman, det. G. Tucker

\*\* genus: *Panicum*  
*Panicum acuminatum* (A25023)  
panic grass (native)

Town of Grafton: Dyken Pond Environmental Education Center: Osgood parcel, n. end of old former hay meadow Elevation: 1780 ft.

10 Jul 1997 R. Ingalls & W. Broderick

*Panicum capillare* (A25597)  
witchgrass (native)

Town of Grafton: Dyken Pond Environmental Education Center: Broderick/Olsen property, n. side of Dyken Pond Road, short distance W. of Teal Brook crossing Elevation: 1620 ft.

30 Aug 1997 R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls

\*\* genus: *Phalaris*  
*Phalaris arundinacea* (A24945)  
reed canary-grass (native)

Town of Grafton: Dyken Pond Environmental Education Center: s. side of Dyken Pond Road, ca. midway between McFall's Trail and Cherry Trace Elevation: 1635 feet

21 Jun 1997 R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls, & C. Temple

\*\* genus: *Phegopteris*  
*Phegopteris connectilis* (A21844)  
northern beech fern (native)

Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, w. side of Teal Brook trail, ca. 200 feet n. of trail beginning at Dyken Pond Road Elevation: 1622 ft.

01 Sep 1996 R. Ingalls, W. Broderick, & N. Reich

\*\* genus: *Phleum*  
*Phleum pratense* ssp. *pratense* (A23087)  
timothy (alien)

Town of Berlin: Dyken Pond Environmental Education Center, 30 ft. behind 1st cabin to the R off lawn, facing cabin Elevation: 1640 ft.

10 Jul 1996 B. Eastman

\*\* genus: *Phragmites*  
*Phragmites australis* (A24972)  
common reed (alien)

Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 on Koch subdivision, nw. portion of wetland south of old house on Dyken Pond Road Elevation: 1585 feet

01 Jul 1997 R. Ingalls & W. Broderick

\*\* genus: *Picea*  
*Picea abies* (A25564)  
Norway spruce (alien)

Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 on Koch subdivision, nw. portion of wetland south of old house on Dyken Pond Road Elevation: 1585 ft.

21 Sep 1997 W. Broderick

*Picea mariana* (A25286)  
black spruce (native)

Town of Berlin: Dyken Pond Environmental Education Center, 15 Yards into Water trail on the right, from road Elevation: 1640 ft.

17 Aug 1997 W. Broderick & C. Temple

*Picea rubens* (A23041)  
red spruce (native)

Town of Berlin: Dyken Pond Environmental Education Center, 15 Yards into Water trail on the right, from road Elevation: 1640 ft.

28 Jun 1996 B. Eastman

\*\* genus: *Pinus*  
*Pinus resinosa* (A24882)  
red pine (native - introduced)

*Pinus strobus* (A23065)  
white pine (native)

*Pinus sylvestris* (A22246)  
Scotch pine (alien)

\*\* genus: *Plantago*  
*Plantago lanceolata* (A21887)  
buck-horn plantain (alien)

*Plantago major* (A23080)  
common plantain (alien)

*Plantago rugelii* (A21878)  
pale plantain (native)

\*\* genus: *Platanthera*  
*Platanthera clavellata* (R903)  
green woodland orchid (native)

*Platanthera lacera* (A25272)  
ragged fringed orchid (native)

\*\* genus: *Poa*  
*Poa annua* (A24936)  
annual bluegrass (alien)

*Poa compressa* (A25019)  
Canada bluegrass (alien)

*Poa pratensis* (A23083)  
Kentucky bluegrass (alien)

Town of Grafton: Dyken Pond Environmental Education Center: e. side of old road running n. from director's residence, midway between barn & woods, ca. 20 ft. e. of and uphill from road Elevation: 1660 feet

Town of Berlin: Dyken Pond Environmental Education Center, 15 ft. from lake, in front of cabin #3 off Witchhobble trail Elevation: 1640 ft.

Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, n. of Dyken Pond Road and w. of Teal Brook Trail Elevation: 1685 ft.

Town of Grafton: Dyken Pond Environmental Education Center, 50 ft. E of the Woodshed Elevation: 1645 ft.

Town of Berlin: Dyken Pond Environmental Education Center, on the right of road to lake, 10 yd from cabin #1 Elevation: 1640 ft.

Town of Grafton: Dyken Pond Environmental Education Center, 10 ft. E of trees on corner of driveway, facing house Elevation: 1645 ft.

Town of Grafton: Dyken Pond Environmental Education Center, north side of boardwalk in open spruce-fir swamp Elevation: 1645 feet

Town of Grafton: Dyken Pond Environmental Education Center: n. side of Dyken Pond Road, just west of outlet of small pond w. of director's residence Elevation: 1653 ft.

Town of Grafton: Dyken Pond Environmental Education Center: at se. corner of director's residence Elevation: 1655 feet

Town of Grafton: Dyken Pond Environmental Education Center: Lot #2 on Koch subdivision, n. side of Dyken Pond Road across from old house Elevation: 1640 ft.

Town of Berlin: Dyken Pond Environmental Education Center, on the L side of the road, across from Water Trail trailhead Elevation: 1640 ft.

07 Jun 1997  
W. Broderick & C. Tempé

02 Jul 1996  
B. Eastman

16 Sep 1996  
W. Broderick

25 Jun 1996  
B. Eastman

09 Jul 1996  
B. Eastman

21 Jun 1997  
R. Ingalls, D. Hunt, W. Broderick,  
S. Ingalls, & C. Tempé

10 Jul 1997  
R. Ingalls & W. Broderick

10 Jul 1996  
B. Eastman

\*\* genus: *Podophyllum*  
*Podophyllum peltatum* (A24906)  
May-apple (native)

Town of Berlin: Dyken Pond Environmental Education Center: W. side of Witch Hobble Trail, just n. of station #3 Elevation: 1645 feet

12 Jun 1997

W. Broderick

\*\* genus: *Polygonatum*  
*Polygonatum pubescens* (A23074)  
Solomon's-seal (native)

Town of Berlin: Dyken Pond Environmental Education Center, 50 ft. into the Witch Hobble trail on the right, from road Elevation: 1640 ft.

03 Jul 1996

B. Eastman

\*\* genus: *Polygonum*  
*Polygonum arenastrum* (A21867)  
knotweed (alien)

Town of Grafton, Dyken Pond Environmental Education Center, W. side of driveway along e. side of director's residence, just sw. of residence Elevation: 1653 ft.

*Polygonum arifolium* (A21841)  
arrowleaf tearthumb (native)

Town of Grafton, Dyken Pond Environmental Education Center, open spruce/fir swamp, n. of boardwalk in e. side of wetland Elevation: 1675 ft.

*Polygonum cespitosum* var. *longisetum* (A23069)  
low smartweed (native)

Town of Berlin: Dyken Pond Environmental Education Center, on the right of road to lake, 10 yd from cabin #1 Elevation: 1640 ft.

*Polygonum ciliinode* (A23060)  
fringed bindweed (native)

Town of Berlin: Dyken Pond Environmental Education Center, to the left of water trail from the road, 75 ft. NW of 2nd cabin Elevation: 1640 ft.

*Polygonum convolvulus* (A25407)  
black bindweed (alien)

Town of Grafton: Dyken Pond Environmental Education Center: parcel #2 in Koch subdivision, n. side of Dyken Pond Road, short distance W. of stream crossing Elevation: 1610 ft.

*Polygonum hydropiper* (A25271)  
common smartweed (alien)

Town of Grafton: Dyken Pond Environmental Education Center: n. edge of vegetable garden, n. of director's residence Elevation: 1655 ft.

*Polygonum hydropiperoides* var. *hydropiperoides* (A25300)  
mild water-pepper (native)

Town of Berlin: Dyken Pond Environmental Education Center: s. edge of central portion of boggy island near se. corner of Dyken Pond Elevation: 1622 ft.

*Polygonum persicaria* (A21859)  
lady's-thumb (alien)

Town of Grafton, Dyken Pond Environmental Education Center, in vegetable garden, n. of director's residence Elevation: 1655 ft.

*Polygonum persicaria* (A22716)  
lady's-thumb (alien)

Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, between edge of Teal Brook and trail, ca. midway between large glacial erratic and foot bridge Elevation: 1635 ft.

*Polygonum sagittatum* (A21615)  
tearthumb (native)

Town of Grafton, Dyken Pond Environmental Education Center, e. side of Long Trail, s. of Dyken Pond Road, ca. 50 ft. from road Elevation: 1645 ft.

25 Aug 1996

R. Ingalls & W. Broderick

16 Sep 1996

W. Broderick

20 Aug 1997

W. Broderick

01 Sep 1996

R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

\*\* genus: *Polypodium*  
*Polypodium virginianum* (A21783)  
rock polypody (native)

Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, W. side of trail along Teal Brook, ca. .15 mi. from trailhead at road  
Elevation: 1635 ft.

\*\* genus: *Polystichum*  
*Polystichum acrostichoides* (A21846)  
Christmas fern (native)

Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, W. side of Teal Brook trail, ca. 100 feet n. of trail beginning at Dyken Pond Road  
Elevation: 1621 ft.

\*\* genus: *Populus*  
*Populus grandidentata* (A24918)  
big-toothed aspen (native)

*Populus tremuloides* (A21791)  
quaking aspen (native)

\*\* genus: *Potamogeton*  
*Potamogeton epihydrus* (A25053)  
pondweed (native)

*Potamogeton spirillus* (A25073)  
pondweed (native)

\*\* genus: *Potentilla*  
*Potentilla norvegica* ssp. *norvegica* (A24963)  
rough cinquefoil (alien)

*Potentilla recta* (A23093)  
sulfer cinquefoil (alien)

*Potentilla simplex* (A21884)  
common cinquefoil (native)

\*\* genus: *Prenanthes*  
*Prenanthes trifoliolata* (A21847)  
gall-of-the-earth (native)

06 Sep 1996 W. Broderick

01 Sep 1996 R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

15 Jun 1997 W. Broderick & L. Birr

06 Sep 1996 W. Broderick

14 Jul 1997 W. Broderick & D. Hoyns, det. P.  
Weatherbee

20 Jul 1997 W. Broderick & T. Flood, det. P.  
Weatherbee

29 Jun 1997 W. Broderick

15 Jul 1996 B. Eastman

25 Jun 1996 B. Eastman

01 Sep 1996 R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

Town of Berlin: Dyken Pond Environmental Education Center: e. side of Dyken Pond, short distance s. of boat house, ca. 20 ft. from shore Elevation: 1622 ft.

Town of Berlin: Dyken Pond Environmental Education Center: flower garden just s. of barn Elevation: 1655 feet

Town of Berlin: Dyken Pond Environmental Education Center: ca. 5 ft. s. of se. edge of small forested island along s. shore of Dyken Pond Elevation: 1622 ft.

Town of Grafton: Dyken Pond Environmental Education Center, behind cabin #2 off Witchhobble Rd./trail, L lawn, facing cabin Elevation: 1640 ft.

Town of Grafton, Dyken Pond Environmental Education Center, 20 ft. W of gate to water on left roadside, facing gate Elevation: 1645 ft.

** genus: <i>Prunella</i> <i>Prunella vulgaris</i> (A23023) self-heal (alien)	Town of Grafton: Dyken Pond Environmental Education Center, 15 ft. from gate to water on left roadside, facing gate Elevation: 1645 ft.	27 Jun 1996	B. Eastman
** genus: <i>Prunus</i> <i>Prunus pensylvanica</i> (A24881) pin-cherry (native)	Town of Grafton: Dyken Pond Environmental Education Center: W. of director's residence along e. side of stream n. of small wetland Elevation: 1650 feet	07 Jun 1997	W. Broderick & C. Tempé
<i>Prunus serotina</i> (A23043) black cherry (native)	Town of Berlin: Dyken Pond Environmental Education Center, to the left of water trail from the road, 75 ft. NW of storage building Elevation: 1640 ft.	28 Jun 1996	B. Eastman
<i>Prunus virginiana</i> (A24898) choke-cherry (native)	Town of Grafton: Dyken Pond Environmental Education Center: lot #1 of Koch subdivision, n. side of Dyken Pond Road, few hundred ft. e. of abandoned house Elevation: 1635 ft.	09 Jun 1997	W. Broderick
** genus: <i>Pteridium</i> <i>Pteridium aquilinum</i> var. <i>latiusculum</i> (A23022) bracken (native)	Town of Grafton: Dyken Pond Environmental Education Center, 20 ft. N of road and 30 ft. W of the gate to the water Elevation: 1645 ft.	26 Jun 1996	B. Eastman, ver. R. Mitchell, 2/97
** genus: <i>Pyrola</i> <i>Pyrola elliptica</i> (A25588) shinleaf (native)	Town of Poestenkill: Dyken Pond Environmental Education Center: ca. 50 ft. W. of Long Trail on knoll s. of Dustin Swamp, s. of Dyken Pond Road Elevation: 1640 ft.	30 Aug 1997	R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls
** genus: <i>Quercus</i> <i>Quercus rubra</i> (A23054) red oak (native)	Town of Berlin: Dyken Pond Environmental Education Center, 20 ft. N of 2nd cabin to the L of Witchobble trail Elevation: 1640 ft.	28 Jun 1996	B. Eastman
** genus: <i>Ranunculus</i> <i>Ranunculus acris</i> (A21873) common buttercup (alien)	Town of Grafton: Dyken Pond Environmental Education Center, right corner of driveway, facing house Elevation: 1645 ft.	26 Jun 1996	B. Eastman
<i>Ranunculus bulbosus</i> (A24879) bulbous crowfoot (alien)	Town of Grafton: Dyken Pond Environmental Education Center: e. side of old road running n. from director's residence, ca. 50 ft. before reaching woods Elevation: 1660 feet	07 Jun 1997	W. Broderick & C. Tempé
<i>Ranunculus hispida</i> var. <i>caricetorum</i> (A24937) swamp buttercup (native)	Town of Grafton: Dyken Pond Environmental Education Center: open portion of spruce/fir swamp, n. of boardwalk in e. side of wetland Elevation: 1675 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Tempé

Ranunculus repens (A24912) creeping buttercup (alien)			
** genus: Rhododendron Rhododendron canadense (A24110) rhodora (native - introduced)	Town of Grafton: Dyken Pond Environmental Education Center: open spruce/fir swamp, e. side of Teal brook trail, just n. of Pinus strobus Elevation: 1625 feet	15 Jun 1997	W. Broderick
Rhododendron groenlandicum (A21260) Labrador tea (native)	Town of Grafton: Dyken Pond Environmental Education Center: open spruce/fir swamp, e. side of wetland, ca. 10 ft. s. of boardwalk Elevation: 1675 ft.	04 Jun 1997	W. Broderick
Rhododendron maximum (A22241) great laurel (native - introduced)	Town of Grafton, Dyken Pond Environmental Education Center, open spruce/fir swamp, n. of boardwalk in w. side of wetland Elevation: 1675 ft.	04 Jul 1996	W. Broderick
Rhododendron prinophyllum (A24909) early azalea (native - introduced)	Town of Grafton: Dyken Pond Environmental Education Center: open spruce/fir swamp, e. side of wetland, ca. 10 ft s. of boardwalk Elevation: 1675 feet	15 Sep 1996	W. Broderick
** genus: Rhus Rhus hirta (A24995) staghorn sumac (native)	Town of Berlin: Dyken Pond Environmental Education Center: midway between cabins 2 & 3, midway between trail along lake and old road Elevation: 1635 feet	06 Jul 1997	W. Broderick
** genus: Ribes Ribes glandulosum (A24913) skunk currant (native)	Town of Grafton: Dyken Pond Environmental Education Center: n. side of road leading to lake, just before road turns s., ca. 10 ft. back from road Elevation: 1650 feet	15 Jun 1997	W. Broderick
Rosa centifolia (A25577) multiflora rose (alien)	Town of Grafton: Dyken Pond Environmental Education Center: lot #1 in Koch subdivision, s. side of Dyken Pond Road, just n. of old house Elevation: 1640 ft.	23 Jul 1997	W. Broderick
Rosa multiflora (A24941) multiflora rose (alien)	Town of Grafton: Dyken Pond Environmental Education Center: w. side of Teal Brook Trail, short distance n. of Pinus strobus, between trail and brook Elevation: 1625 feet	04 Jul 1997	W. Broderick, J. Mattox, & C. Temple
	Town of Grafton: Dyken Pond Environmental Education Center: w. side of Teal Brook Trail, short distance n. of Pinus strobus, between trail and brook Elevation: 1625 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Temple

** genus: <i>Rubus</i> <i>Rubus allegheniensis</i> (A21865) northern blackberry (native)	Town of Grafton, Dyken Pond Environmental Education Center, e. side of main north-s. running trail, just n. of barn Elevation: 1657 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
<i>Rubus hispida</i> (A23064) swamp dewberry (native)	Town of Berlin: Dyken Pond Environmental Education Center, 1 ft. from lake by picnic table, off Witchhobble trail Elevation: 1640 ft.	02 Jul 1996	B. Eastman
<i>Rubus idaeus</i> ssp. <i>strigosus</i> (A23068) wild raspberry (native)	Town of Berlin: Dyken Pond Environmental Education Center, in front of storage building to the L of Witchhobble trail Elevation: 1640 ft.	02 Jul 1996	B. Eastman, ver. W. Broderick, 7/97
<i>Rubus occidentalis</i> (A24946) black raspberry (native)	Town of Grafton: Dyken Pond Environmental Education Center: s. side of Dyken Pond Road, ca. midway between McFalls Trail and Cherry Trace Elevation: 1635 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Temple
<i>Rubus pensylvanicus</i> (A23029) highbush blackberry (native)	Town of Berlin: Dyken Pond Environmental Education Center, R corner of road and Water trail Elevation: 1640 ft.	27 Jun 1996	B. Eastman
<i>Rubus pubescens</i> (A24940) dwarf raspberry (native)	Town of Grafton: Dyken Pond Environmental Education Center: s. end of spruce/fir swamp, on Lapi des property, few hundred feet n. of Long Trail, e. of Teal Brook Elevation: 1630 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Temple
** genus: <i>Rudbeckia</i> <i>Rudbeckia hirta</i> var. <i>pulcherrima</i> (A22240) black-eyed-Susan (alien)	Town of Grafton, Dyken Pond Environmental Education Center, n. side of Dyken Pond Road, between Teal Brook and beginning of Teal Brook trail Elevation: 1620 ft.	16 Sep 1996	W. Broderick
** genus: <i>Rumex</i> <i>Rumex acetosella</i> (A21881) sheep sorrel (alien)	Town of Grafton: Dyken Pond Environmental Education Center, 20 ft. W of gate to water on L roadside, facing gate Elevation: 1645 ft.	25 Jun 1996	B. Eastman
<i>Rumex crispus</i> (A24933) curly dock (alien)	Town of Grafton: Dyken Pond Environmental Education Center: short distance se. of barn and w. of beginning of Abbt Farm trail Elevation: 1655 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Temple
** genus: <i>Sagittaria</i> <i>Sagittaria latifolia</i> (A25071) arrowhead (native)	Town of Berlin: Dyken Pond Environmental Education Center: e. portion of boggy island near se. corner of Dyken Pond Elevation: 1622 ft.	20 Jul 1997	W. Broderick & T. Flood
** genus: <i>Salix</i> <i>Salix atrocinerea</i> (A25609) ashy willow (alien)	Town of Grafton: Dyken Pond Environmental Education Center: parcel #2 in Koch subdivision, n. side of Dyken Pond Road, ca. 100 ft. W. of stream crossing Elevation: 1620 ft.	30 Aug 1997	R. Ingalls/D. Hunt/W. Broderick/S. Ingalls, ver. R. Mitchell

<i>Salix bebbiana</i> (A25586) beaked willow (native)	Town of Grafton: Dyken Pond Environmental Education Center, n. end of boardwalk across Dustin Swamp, s. of Dyken Pond Road on Long Trail Elevation: 1612 ft.	30 Aug 1997	R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls
** genus: <i>Sambucus</i> <i>Sambucus canadensis</i> (A23056) black elderberry (native)	Town of Berlin: Dyken Pond Environmental Education Center, in front of storage building to the L of Witchhobble trail Elevation: 1640 ft.	28 Jun 1996	B. Eastman
<i>Sambucus racemosa</i> ssp. <i>pubens</i> (A23073) red elderberry (alien)	Town of Berlin: Dyken Pond Environmental Education Center, 50 ft. into the Witchhobble trail on the right, from road Elevation: 1640 ft.	03 Jul 1996	B. Eastman
** genus: <i>Sarracenia</i> <i>Sarracenia purpurea</i> (A21665) pitcher-plant (native)	Town of Grafton, Dyken Pond Center, open spruce-fir swamp on Long Trail, south side of boardwalk in center of swamp, next to boardwalk Elevation: 1685 ft.	08 Sep 1996	W. Broderick
** genus: <i>Scilla</i> <i>Scilla siberica</i> (A23720) scilla (alien)	Town of Grafton: Dyken Pond Environmental Education Center, just n. of vegetable garden, n. of director's residence, near edge of path Elevation: 1655 ft.	29 Apr 1997	W. Broderick
** genus: <i>Scirpus</i> <i>Scirpus atrocinctus</i> (A25072) northern bulrush (native)	Town of Berlin: Dyken Pond Environmental Education Center: at n. edge of boggy island near se. corner of Dyken Pond Elevation: 1622 ft.	20 Jul 1997	W. Broderick & T. Flood, det. P. Weatherbee
<i>Scirpus atrovirens</i> (A24979) bulrush (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #2 on Koch subdivision, n. side of Dyken Pond Road just e. of stream crossing, ca. 10 ft. n. of road edge Elevation: 1605 feet	01 Jul 1997	R. Ingalls & W. Broderick
<i>Scirpus cyperinus</i> (A21627) woolgrass (native)	Town of Grafton, Dyken Pond Environmental Education Center, ca. 5 ft. from east side of boardwalk on Long Trail leading across Dustin Swamp, ca. 10 ft. from end of boardwalk Elevation: 1610 ft.	25 Aug 1996	R. Ingalls & W. Broderick
<i>Scirpus microcarpus</i> (A24921) bulrush (native)	Town of Grafton: Dyken Pond Environmental Education Center, w. part of small wetland w. of director's residence Elevation: 1650 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Temple
** genus: <i>Scutellaria</i> <i>Scutellaria galericulata</i> (A25128) common skullcap (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #3 on Koch subdivision, s. end of large open wetland, at outlet s. of old beaver dam Elevation: 1630 ft.	30 Jul 1997	R. Ingalls, W. Broderick, & S. Ingalls
<i>Scutellaria lateriflora</i> (A21848) mad-dog skullcap (native)	Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, w. side of Teal Brook trail, ca. 300 feet n. of trail beginning at Dyken Pond Road Elevation: 1623 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich

** genus: <i>Sedum</i> <i>Sedum telephium</i> (A21797) Live-forever (alien)	Town of Grafton, Dyken Pond Environmental Education Center, Broderick/Olsen property, W. side of Teal Brook trail, ca. 80 feet n. of trail Elevation: 1621 ft.	06 Sep 1996	W. Broderick
** genus: <i>Setaria</i> <i>Setaria pumila</i> (A25289) yellow foxtail (alien)	Town of Grafton: Dyken Pond Environmental Education Center: n. side of Dyken Pond Road, just W. of crossing of Teal brook Elevation: 1620 ft.	17 Aug 1997	D. Hunt, W. Broderick, & C. Tempe
<i>Setaria viridis</i> (A25599) green foxtail (native)	Town of Grafton: Dyken Pond Environmental Education Center: Broderick Olsen property, n. side of Dyken Pond Road, short distance e. of Long Trail, opposite open old field Elevation: 1645 ft.	30 Aug 1997	R. Ingalls, D. Hunt, W. Broderick, & S. Ingalls
** genus: <i>Silene</i> <i>Silene almeria</i> (A21795) Sweet-William (alien)	Town of Grafton, Dyken Pond Environmental Education Center, flower garden in front of barn, ne. of director's residence Elevation: 1655 ft.	06 Sep 1996	W. Broderick
<i>Silene latifolia</i> (A21796) white campion (alien)	Town of Grafton, Dyken Pond Environmental Education Center, W. side of driveway along e. side of director's residence, just sw. of residence Elevation: 1653 ft.	06 Sep 1996	W. Broderick
** genus: <i>Sisyrinchium</i> <i>Sisyrinchium angustifolium</i> (A24988) blue-eyed grass (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 in Koch subdivision, s. side of Dyken Pond Road, few hundred ft. W. of abandoned house Elevation: 1655 feet	04 Jul 1997	W. Broderick, C. Tempe, & J. Mattox
<i>Sisyrinchium montanum</i> var. <i>crebrum</i> (A24927) blue-eyed grass (native)	Town of Grafton: Dyken Pond Environmental Education Center: W. side of Abbt Farm Trail, just s. of air monitoring station Elevation: 1665 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Tempe
** genus: <i>Sium</i> <i>Sium suave</i> (A25297) Water-parsnip (native)	Town of Grafton: Dyken Pond Environmental Education Center: in Dustin Swamp, few hundred feet s. of Dyken Pond Road opposite terminus of Teal Brook Trail Elevation: 1610 ft.	20 Aug 1997	W. Broderick
** genus: <i>Solidago</i> <i>Solidago bicolor</i> (A25529) white goldenrod (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 in Koch subdivision, open area sw. of abandoned house Elevation: 1645 ft.	13 Sep 1997	W. Broderick
<i>Solidago caesia</i> (A25530) wreath goldenrod (native)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 in Koch subdivision, open area sw. of abandoned house Elevation: 1645 ft.	13 Sep 1997	W. Broderick

<i>Solidago canadensis</i> var. <i>canadensis</i> (A25290) Canada goldenrod (native)	Town of Grafton: Dyken Pond Environmental Education Center: old field ne. of barn, just n. of e. end of air monitoring station Elevation: 1670 ft.	17 Aug 1997	D. Hunt, W. Broderick, & C. Tempé
<i>Solidago gigantea</i> (A21620) late goldenrod (native)	Town of Grafton, Dyken Pond Environmental Education Center, w. side of Long Trail, s. of Dyken Pond Road, ca. 20 ft. from road Elevation: 1642 ft.	25 Aug 1996	R. Ingalls & W. Broderick
<i>Solidago juncea</i> (A25291) early goldenrod (native)	Town of Grafton: Dyken Pond Environmental Education Center: old field ne. of barn, just s. of e. end of air monitoring station Elevation: 1670 ft.	17 Aug 1997	D. Hunt, W. Broderick, & C. Tempé
<i>Solidago nemoralis</i> (A21868) rough goldenrod (native)	Town of Grafton, Dyken Pond Environmental Education Center, top of hill ne. of barn and just sw. of air monitoring station, w. side of Abbt Farm trail Elevation: 1665 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
<i>Solidago rugosa</i> ssp. <i>rugosa</i> var. <i>rugosa</i> (A21621) tall hairy goldenrod (native)	Town of Grafton, Dyken Pond Environmental Education Center, top of hill ne. of barn and just sw. of air monitoring station, w. side of Abbt Farm trail Elevation: 1665 ft.	25 Aug 1996	R. Ingalls & W. Broderick, ver. W. Broderick, 7/97
<i>Solidago uliginosa</i> var. <i>uliginosa</i> (A25525) shamp goldenrod (native)	Town of Berlin: Dyken Pond Environmental Education Center, north side of Dyken Pond Road, Broderick/Olsen property, ca. 20 ft. e. of Long Trail Elevation: 1640 ft.	08 Sep 1997	W. Broderick & W. Town
** genus: <i>Sorbus</i> <i>Sorbus americana</i> (A25298) American mountain ash (native)	Town of Grafton: Dyken Pond Environmental Education Center: center of boggy island at se. corner of Dyken Pond Elevation: 1623 feet	20 Aug 1997	W. Broderick
** genus: <i>Sparganium</i> <i>Sparganium americanum</i> (A21842) bur-reed (native)	Town of Grafton, Dyken Pond Environmental Education Center: lot #3 in Koch subdivision, s. end of large open wetland, at outlet of old beaver dam, elevation 1630 feet	30 Jul 1997	R. Ingalls, W. Broderick & S. Ingalls
<i>Sparganium androcladum</i> (A22720) bur-reed (native)	Town of Grafton, Dyken Pond Environmental Education Center, n. end of Dustin Swamp, ca. 200 ft. s. of Dyken Pond Road Elevation: 1610 ft.	01 Sep 1996	R. Ingalls/W. Broderick/S. Ingalls/N Reich, det. G Walton 7/97
<i>Sparganium erectum</i> (A25267) bur-reed (native)	Town of Grafton Dyken Pond Environmental Education Center: open spruce/fir swamp, s. of boardwalk in center of wetland Elevation: 1675 ft.	01 Sep 1996	R. Ingalls/W. Broderick/S. Ingalls/N Reich, det. G Walton 7/97
** genus: <i>Spiraea</i> <i>Spiraea alba</i> var. <i>latifolia</i> (A21618) meadow-sweet (native)	Town of Grafton, Dyken Pond Environmental Education Center, e. side of Long Trail, s. of Dyken Pond Road, ca. 75 ft. from road Elevation: 1653 ft.	25 Aug 1996	R. Ingalls & W. Broderick
<i>Spiraea tomentosa</i> var. <i>tomentosa</i> (A24930) hardhack (native)	Town of Grafton: Dyken Pond Environmental Education Center: w. side of Abbt Farm Trail, just n. of air monitoring station Elevation: 1670 feet	21 Jun 1997	R. Ingalls, D. Hunt, W. Broderick, S. Ingalls, & C. Tempé

** genus: <i>Stellaria</i> <i>Stellaria graminea</i> (A21871) common stitchwort (alien)	Town of Grafton: Dyken Pond Environmental Education Center, right corner of driveway, facing house Elevation: 1645 ft.	25 Jun 1996	B. Eastman
<i>Stellaria media</i> (A21870) common chickweed (alien)	Town of Grafton, Dyken Pond Environmental Education Center, s. edge of main parking lot at end of Dyken Pond Road Elevation: 1653 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
** genus: <i>Symplocarpus</i> <i>Symplocarpus foetidus</i> (native - introduced) skunk cabbage	Town of Grafton: Dyken Pond Environmental Education Center: e. edge of Bog Brook, short distance nw. of Director's residence Elevation: 1655 ft.	29 Apr 1997	W. Broderick
** genus: <i>Syringa</i> <i>Syringa vulgaris</i> (A25045) lilac (alien)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #1 in Koch subdivision, s. side of Dyken Pond Road, in front of old house Elevation: 1640 ft.	13 Jul 1997	W. Broderick
** genus: <i>Tanacetum</i> <i>Tanacetum vulgare</i> (A21861) tansy (alien)	Town of Grafton, Dyken Pond Environmental Education Center, just n. of vegetable garden, n. of director's residence Elevation: 1655 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
** genus: <i>Taraxacum</i> <i>Taraxacum officinale</i> (A21876) common dandelion (alien)	Town of Grafton: Dyken Pond Environmental Education Center, right corner of driveway, facing house Elevation: 1645 ft.	26 Jun 1996	B. Eastman
** genus: <i>Thelypteris</i> <i>Thelypteris noveboracensis</i> (A23081) New York fern (native)	Town of Berlin: Dyken Pond Environmental Education Center, 20 ft. S of 2nd cabin to the R of Witchobble trail Elevation: 1640 ft.	09 Jul 1996	B. Eastman
<i>Thelypteris palustris</i> var. <i>pubescens</i> (A22244) marsh fern (native)	Town of Grafton, Dyken Pond Environmental Education Center, open spruce/fir swamp, n. of boardwalk in e. side of wetland Elevation: 1675 ft.	16 Sep 1996	W. Broderick
** genus: <i>Thymus</i> <i>Thymus pulegioides</i> (A25293) wild thyme (alien)	Town of Grafton: Dyken Pond Environmental Education Center: old field ne. of barn, just s. of e. end of air monitoring station Elevation: 1670 ft.	17 Aug 1997	D. Hunt, W. Broderick, & C. Temple
** genus: <i>Torreyochloa</i> <i>Torreyochloa pallida</i> var. <i>pallida</i> (A23091) pale managrass (native)	Town of Berlin: Dyken Pond Environmental Education Center, Lakeside 120 ft. S of 1st cabin Elevation: 1640 ft.	10 Jul 1996	B. Eastman, det. G. Tucker, ver. W. Broderick & C. Sheviak

** genus: <i>Tragopogon</i> <i>Tragopogon pratensis</i> (A24911) Yellow goat's-beard (alien)	Town of Grafton: Dyken Pond Environmental Education Center: Lot #2 in Koch subdivision, n. side of Dyken Pond Rd., short distance e. of old house Elevation: 1640 feet	15 Jun 1997	W. Broderick
** genus: <i>Triadenum</i> <i>Triadenum virginicum</i> (A21628) marsh St. John's wort (native)	Town of Grafton: Dyken Pond Environmental Education Center, ca. 5 ft. from east side of boardwalk on Long Trail leading across Justin Swamp, ca. 10 ft. from end of boardwalk Elevation: 1610 ft.	25 Aug 1996	R. Ingalls & W. Broderick
** genus: <i>Trientalis</i> <i>Trientalis borealis</i> (A23036) starflower (native)	Town of Berlin: Dyken Pond Environmental Education Center, 25 ft. into Water trail on the left, from road Elevation: 1640 ft.	27 Jun 1996	B. Eastman
** genus: <i>Trifolium</i> <i>Trifolium aureum</i> (A25021) yellow clover (alien)	Town of Grafton: Dyken Pond Environmental Education Center: n. side of road leading to lake, at se. corner of lawn, w. of hemlock grove Elevation: 1660 ft.	10 Jul 1997	R. Ingalls & W. Broderick
<i>Trifolium pratense</i> (A21872) red clover (alien)	Town of Grafton: Dyken Pond Environmental Education Center, right corner of driveway, facing house Elevation: 1645 ft.	26 Jun 1996	B. Eastman
<i>Trifolium repens</i> (A21880) white clover (alien)	Town of Grafton: Dyken Pond Environmental Education Center, 20 ft. w. of pine tree in front of Director's residence Elevation: 1645 ft.	26 Jun 1996	B. Eastman
** genus: <i>Trillium</i> <i>Trillium grandiflorum</i> (A23968) white trillium (native - introduced)	Town of Grafton: Dyken Pond Environmental Education Center: ne. corner of old field w. of director's residence, w. of Bog Brook Elevation: 1660 ft.	11 May 1997	W. Broderick
<i>Trillium undulatum</i> (A22037) painted trillium (native)	Town of Berlin: Dyken Pond Environmental Education Center, 35 ft. into Water trail on the right, from road Elevation: 1640 ft.	27 Jun 1996	B. Eastman
** genus: <i>Tsuga</i> <i>Tsuga canadensis</i> (A23017) hemlock (native)	Town of Grafton: Dyken Pond Environmental Education Center, R curb of driveway Elevation: 1645 ft.	26 Jun 1996	B. Eastman
** genus: <i>Tussilago</i> <i>Tussilago farfara</i> (A23729) coltsfoot (alien)	Town of Grafton: Dyken Pond Environmental Education Center, north side of Dyken Pond Road, opposite abandoned house located on lot #1 of Koch subdivision Elevation: 1640 ft.	10 Apr 1997	W. Broderick

** genus: <i>Typha</i> <i>Typha latifolia</i> (A21854) common cat-tail (native)	Town of Grafton, Dyken Pond Environmental Education Center, se. portion of small wetland w. of director's residence and n. side of Dyken Pond Road Elevation: 1650 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
** genus: <i>Ulmus</i> <i>Ulmus americana</i> (A25284) American elm (native)	Town of Berlin: Dyken Pond Environmental Education Center: s. side of middle of cabin 2 Elevation: 1630 ft.	17 Aug 1997	W. Broderick & C. Temple
** genus: <i>Urtica</i> <i>Urtica dioica</i> ssp. <i>dioica</i> (A25282) stinging nettle (alien)	Town of Berlin: Dyken Pond Environmental Education Center: at beginning of Witch Hobble trail (in corner of bend in road) opposite road to cabin 1 Elevation: 1640 ft.	17 Aug 1997	D. Hunt
** genus: <i>Utricularia</i> <i>Utricularia cornuta</i> (A25611) horned bladderwort (native)	Town of Grafton: Dyken Pond Environmental Education Center: nw. portion of "Otter Cove" bay in w. side of Dyken Pond Elevation: 1623 ft.	31 Aug 1997	W. Broderick
<i>Utricularia geminiscapa</i> (A25302) bladderwort (native)	Town of Berlin: Dyken Pond Environmental Education Center: at se. end of Dyken Pond, in cove just s. of Center property Elevation: 1622 ft.	08 Aug 1997	W. Broderick & T. Flood, det. P. Weatherbee
<i>Utricularia intermedia</i> (A25301) milfoil bladderwort (native)	Town of Grafton: Dyken Pond Environmental Education Center: in open channel in Dustin Swamp, s. of Dyken Pond Road, just w. of boardwalk Elevation: 1610 ft.	10 Aug 1997	W. Broderick, det. P. Weatherbee
** genus: <i>Uvularia</i> <i>Uvularia sessilifolia</i> (A23944) wild-oats (native)	Town of Grafton: Dyken Pond Environmental Education Center: w. side of old road running n. from Director's residence, just s. of junction with Long Trail Elevation: 1685 ft.	17 May 1997	W. Broderick
** genus: <i>Vaccinium</i> <i>Vaccinium angustifolium</i> (A21857) loblush blueberry (native)	Town of Grafton, Dyken Pond Environmental Education Center, w. side of north s. running trail, just n. of Cherry Trace, w. of small wetland w. of director's residence Elevation: 1657 ft.	01 Sep 1996	R. Ingalls, W. Broderick, S. Ingalls, & N. Reich
<i>Vaccinium corymbosum</i> (A23070) highbush blueberry (native)	Town of Berlin: Dyken Pond Environmental Education Center, 2 ft. from lake 10 paces onto side trail R, off Witchhobble trail, facing road Elevation: 1640 ft.	02 Jul 1996	B. Eastman
<i>Vaccinium macrocarpon</i> (A24991) cranberry (native)	Town of Grafton: Dyken Pond Environmental Education Center: center portion of small spruce/fir swamp, at n. edge of boardwalk Elevation: 1675 feet	06 Jul 1997	W. Broderick

*Vaccinium myrtilloides* (A23061)  
sour-top blueberry (native)

Town of Berlin: Dyken Pond Environmental Education Center, 2 ft. from lake 10 paces onto side trail R, off Witchhobble trail, facing road Elevation: 1640 ft.

\*\* genus: *Vallisneria*  
*Vallisneria americana* (A25075)  
taeograss (native)

\*\* genus: *Veratrum*  
*Veratrum viride* (A23057)  
false or white hellebore (native)

\*\* genus: *Verbena*  
*Verbena hastata* (A25592)  
blue vervain (native)

\*\* genus: *Veronica*  
*Veronica officinalis* (A21833)  
speedwell (alien)

*Veronica peregrina* ssp. *peregrina* (A21882)  
neckweed (native)

\*\* genus: *Viburnum*  
*Viburnum dentatum* var. *lucidum* (A24960)  
southern arrowwood (native)

*Viburnum lantana* (A23027)  
hollylebush (native)

*Viburnum nudum* var. *cassinoides* (A21794)  
white-rod (native)

\*\* genus: *Vicia*  
*Vicia cracca* ssp. *cracca* (A21625)  
cowpeach (native)

Town of Grafton, Dyken Pond Environmental Education Center, n. edge of old field n. of barn, short distance e. of old north-south running road, along path cut through field Elevation: 1660 ft.

Town of Grafton, Dyken Pond Environmental Education Center, lot #2 in Koch subdivision, n. side of Dyken Pond Road, short distance e. of abandoned house, ca. 20 ft. back from road Elevation: 1628 feet

Town of Berlin: Dyken Pond Environmental Education Center, R corner of road and Water trail Elevation: 1640 ft.

Town of Grafton, Dyken Pond Environmental Education Center, n. edge of old field n. of barn, short distance e. of old north-south running road, along path cut through field Elevation: 1660 ft.

Town of Grafton, Dyken Pond Environmental Education Center, north side of Dyken Pond Road. Broderick/Olsen property, ca. 20 ft. e. of Long Trail Elevation: 1640 ft.

02 Jul 1996 B. Eastman  
20 Jul 1997 W. Broderick & T. Flood, det. P.  
W. Broderick & T. Weatherbee  
28 Jun 1996 B. Eastman  
30 Aug 1997 R. Ingalls, D. Hunt, W. Broderick, &  
S. Ingalls  
26 Jun 1996 B. Eastman  
25 Jun 1996 B. Eastman, ver. W. Broderick, 7/97  
06 Sep 1996 W. Broderick  
25 Aug 1996 R. Ingalls & W. Broderick, ver. W.  
Broderick, 2/97

\*\* genus: *Viola*  
*Viola blanda* (A25520)  
sweet white violet (native)

Town of Poestenkill: Dyken Pond Environmental Education  
Center: ca. 50 ft. w. of Long Trail on knoll s. of  
Dustin Swamp, s. of Dyken Pond Road Elevation: 1640  
feet

*Viola cucullata* (A24957)  
blue marsh violet (native)

Town of Grafton: Dyken Pond Environmental Education  
Center: s. end of spruce/fir swamp, on Lrides property,  
few hundred feet n. of Long Trail, e. of Teal Brook  
Elevation: 1630 feet

*Viola rotundifolia* (A23979)  
round-leaf violet (native)

Town of Grafton: Dyken Pond Environmental Education  
Center: ca. 100 ft. n. of trail connecting Long Trail  
with old logging road on Lot #4 Elevation: 1670 ft.

*Viola sagittata* (A25292)  
arrow-leaf violet (native)

Town of Grafton: Dyken Pond Environmental Education  
Center: old field ne. of barn, just s. of e. end of air  
monitoring station Elevation: 1670 ft.

*Viola tricolor* (A25590)  
Johnny jump-up (alien)

Town of Grafton: Dyken Pond Environmental Education  
Center: sw. side of *Pinus strobus* in front of director's  
residence Elevation: 1650 ft.

\*\* genus: *Vitis*  
*Vitis riparia* (A25600)  
frost grape (native)

Town of Grafton: Dyken Pond Environmental Education  
Center: Broderick Olsen property, n. side of Dyken Pond  
Road, short distance e. of Long Trail, opposite open old  
field Elevation: 1645 ft.

\*\* genus: *Waldsteinia*  
*Waldsteinia fragarioides* (A21278)  
barren strawberry (native)

Town of Grafton, Broderick/Olsen property, along Teal  
Brook Trail, ca. .1 mi. from Dyken Pond Road  
Elevation: 1630 ft.

\*\* genus: *Woodsia*  
*Woodsia obtusa* (A22717)  
blunt-lobed Woodsia (native)

Town of Grafton, Dyken Pond Environmental Education  
Center, open spruce/fir swamp, n. of boardwalk in center  
of wetland Elevation: 1675 ft.

\*\* genus: *Zizia*  
*Zizia aurea* (A24108)  
golden alexanders (native)

Town of Grafton: Dyken Pond Environmental Education  
Center: s. side of Dyken Pond Road, just w. of barrier  
on Long Trail Elevation: 1640 ft.

07 Sep 1997

W. Broderick

23 Jun 1997

W. Broderick

26 May 1997

W. Broderick & D. Hoys

17 Aug 1997

D. Hunt, W. Broderick, & C. Temp

30 Aug 1997

R. Ingalls, D. Hunt, W. Broderick, &

S. Ingalls

30 Aug 1997

R. Ingalls, D. Hunt, W. Broderick

27 May 1996

W. Broderick

16 Sep 1996

W. Broderick

04 Jun 1997

W. Broderick



## Explanation of Accompanying Maps

**Ecological Community Maps.** As discussed above, thirty-one ecological communities were identified and mapped, corresponding with the Reschke system. The first of these maps shows the ecological subsystems found in the study area. In all these maps, natural streams and trails are depicted as linear communities, while all other communities are treated as mutually-exclusive polygons. This map reveals the large part of the study area, outside the lake, which consists of forested uplands.

Another map depicts only the six forested upland communities found in the study area. The beech-maple mesic forest is the predominate community type, with significant areas of hemlock- and spruce-northern hardwood forest as well. The map of wetlands shows the diversity of the study area, containing nine different wetland communities. The map of 13 cultural communities shows an enlargement of the part of the study area where most of these communities are located. The precise mapping of small communities, such as the vegetable and flower gardens, is evident from this map.

**Plant Collection Maps.** Three maps show plant collections in the study area. The first shows the location of all 400 modern collections completed as part of this project. The second also shows the approximate locations of 36 historical collections which had been previously added to the State Museum's Herbarium. The final map shows an enlargement of the "Otter Cove" area, demonstrating how the G.I.S. can show precise locations of specific collections in relation to each other.

**Plant Distribution Maps.** A plant distribution study was conducted covering 92 specific plants. One map shows the locations of all 92 plants which were studied. For each of these plants, locations of site observations were mapped as well as the locations of actual collections. Some of these show locations of plants found at only one location each, while others show plant distribution at various locations over the entire study area. Maps covering 25 of the individual plants studied are included in this version of the Report. Plants common throughout the study area were not mapped.

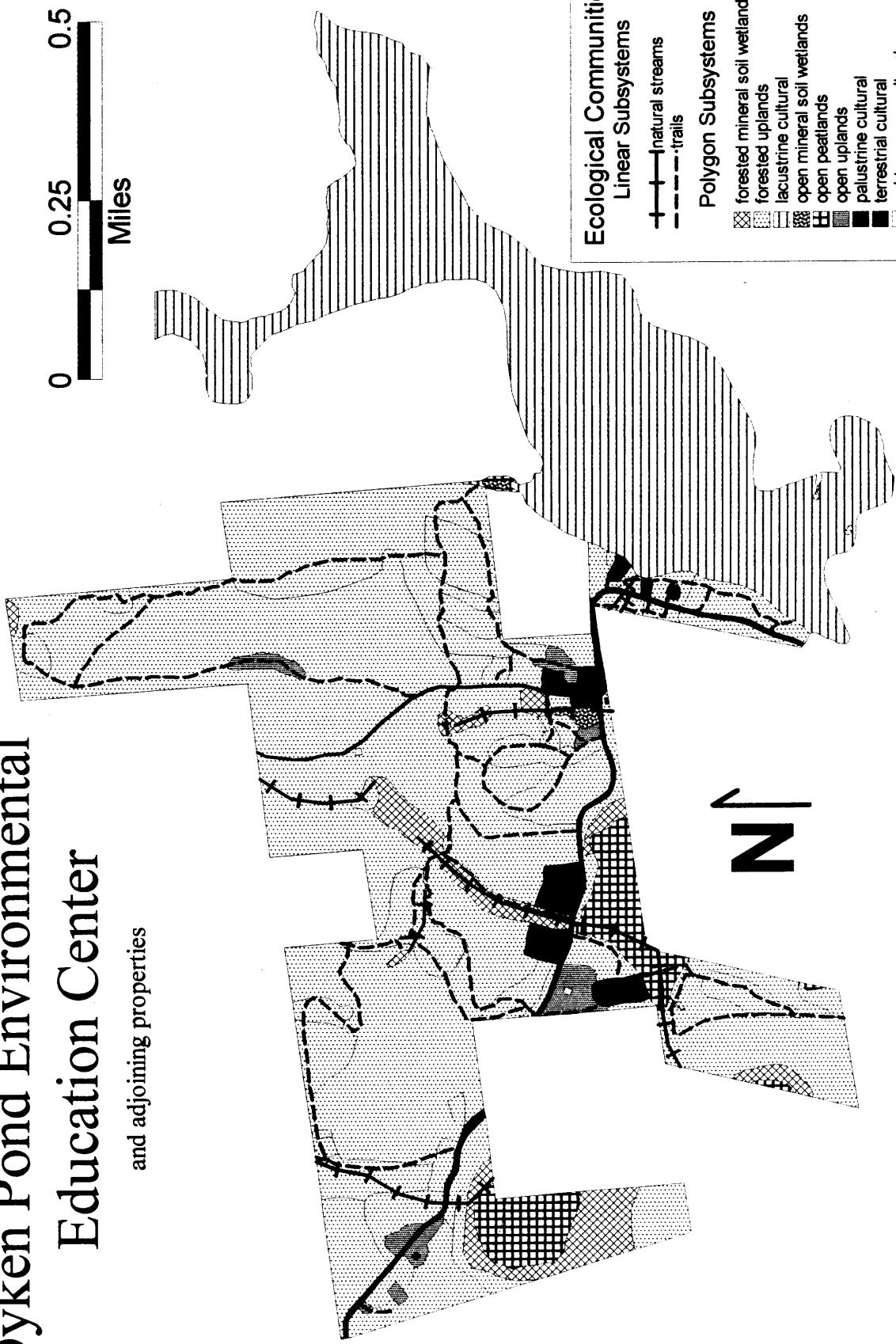
In addition, six maps were prepared which further analyze this plant distribution data. One map shows the locations of all members of the orchid family (*Orchidaceae*) found in the study area. Another shows the distribution of the two members of the genus *Trillium* found growing naturally at the Dyken Pond Center. A map showing distribution of four willow herbs (*Epilobium*) also shows the ecological communities where they are located. Two species, *E. leptophyllum* and *E. palustre*, are found in wetland communities, while the other two species, *E. ciliatum* ssp. *ciliatum* and *E. coloratum*, are found in disturbed areas.

One map shows six representative herbaceous plants found in the most common forested upland community in the study area, the beech-maple mesic forest. Another shows four representative plants found in the single pine-northern hardwood forest community found in the study area. The final map in this series shows the distribution of certain alien plants, demonstrating that, for the most part, they are found along roads and in disturbed terrestrial cultural communities.

# Dyken Pond Environmental Education Center

and adjoining properties

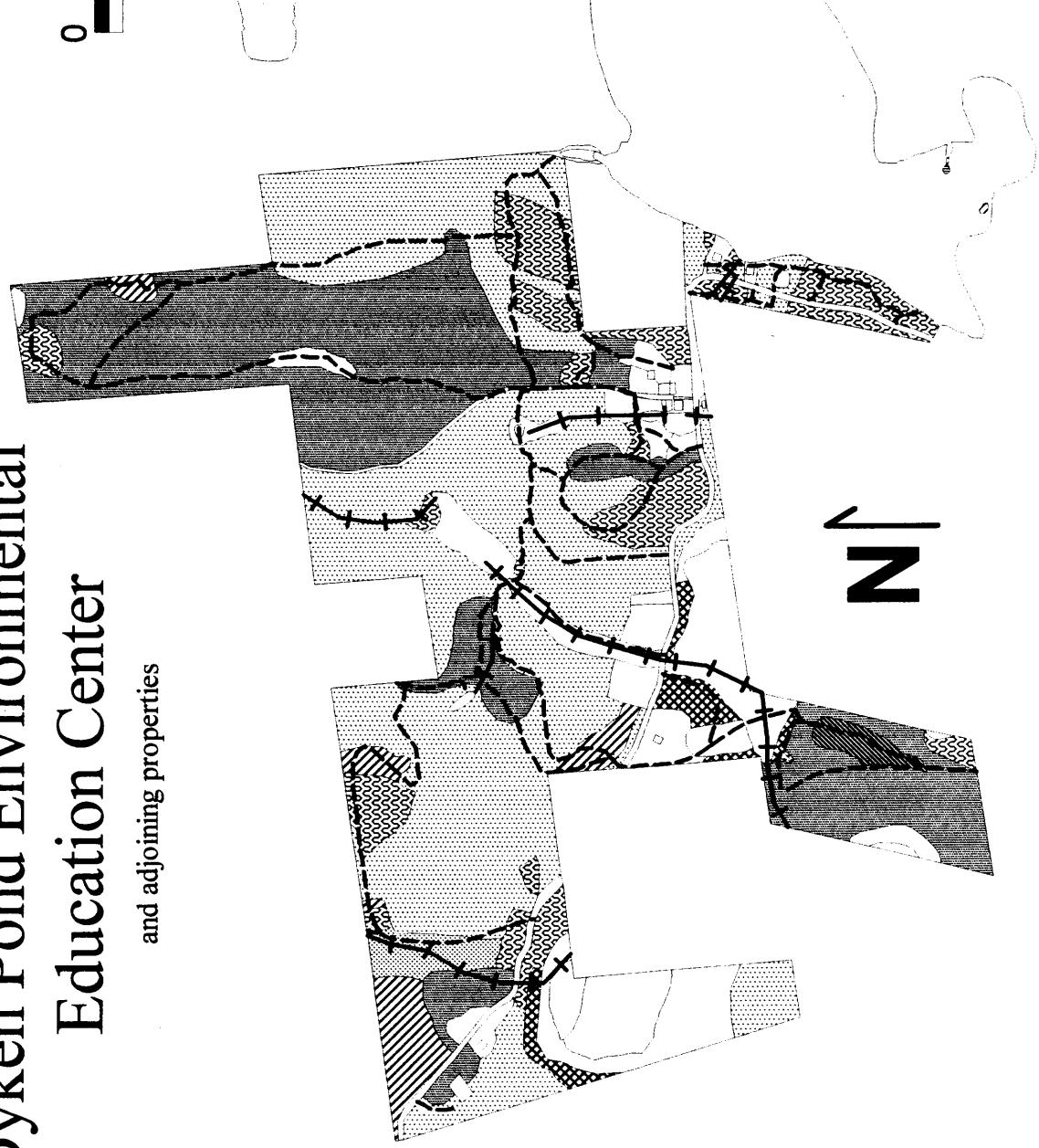
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Miles



# Dyken Pond Environmental Education Center

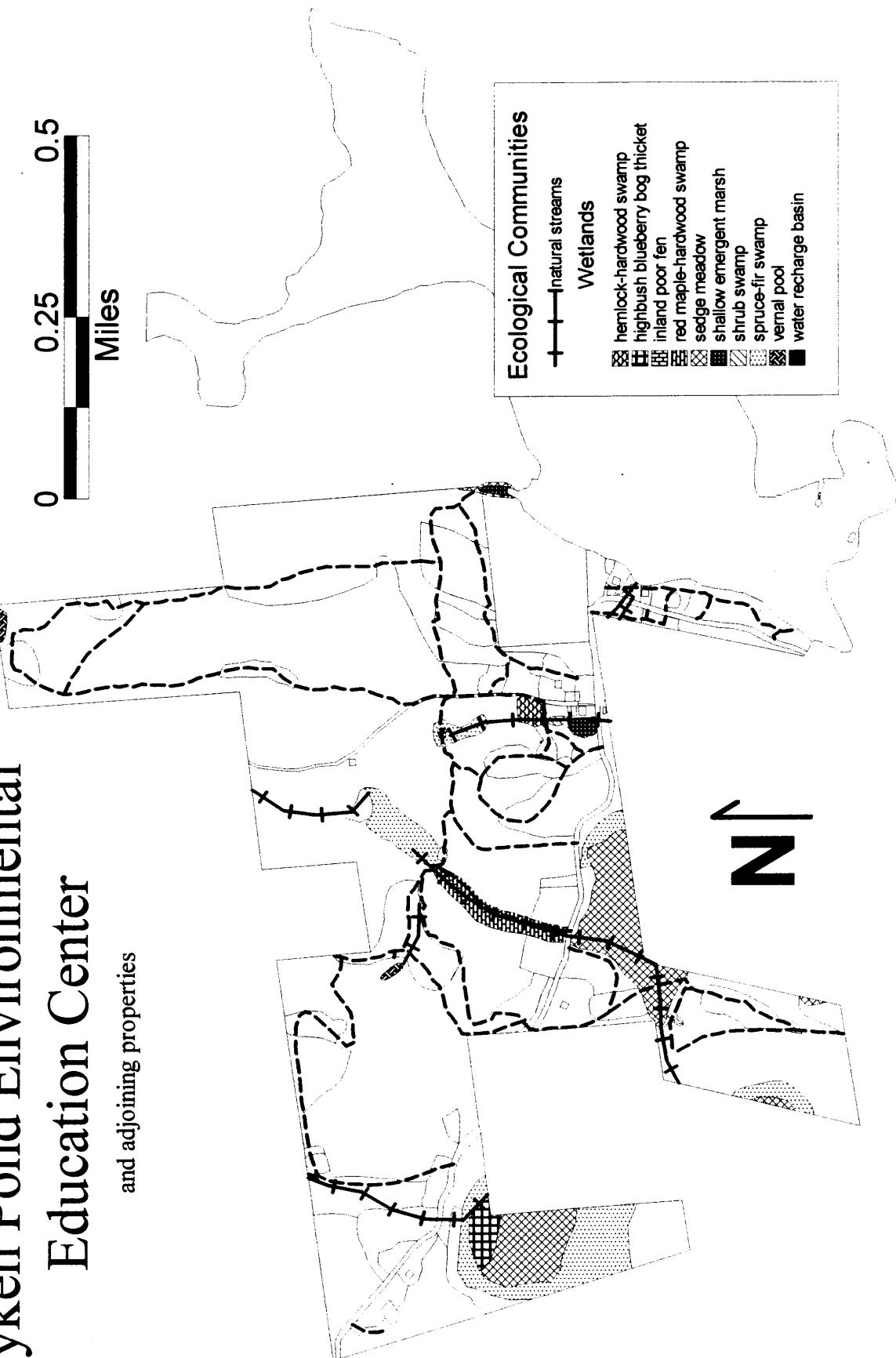
and adjoining properties

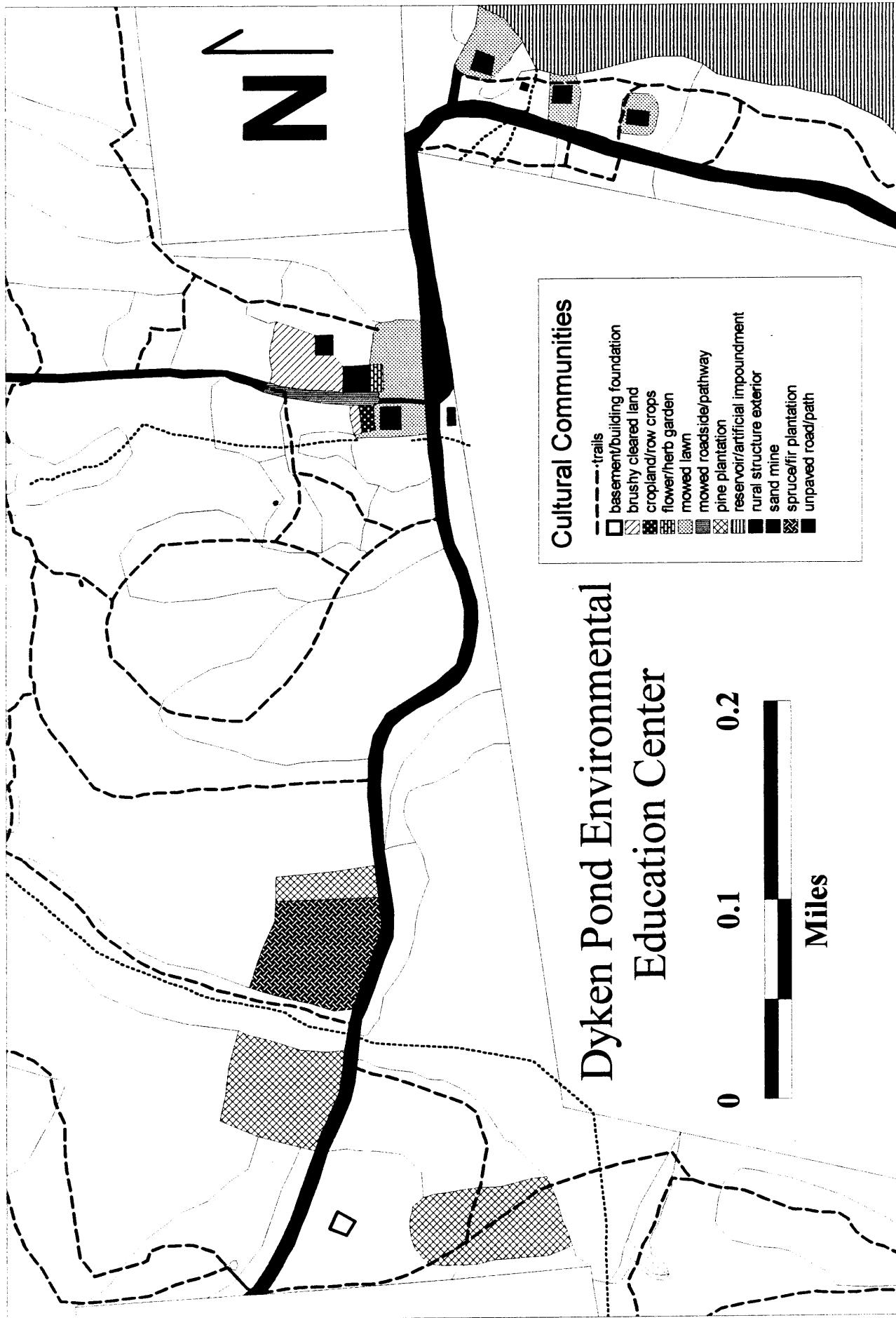
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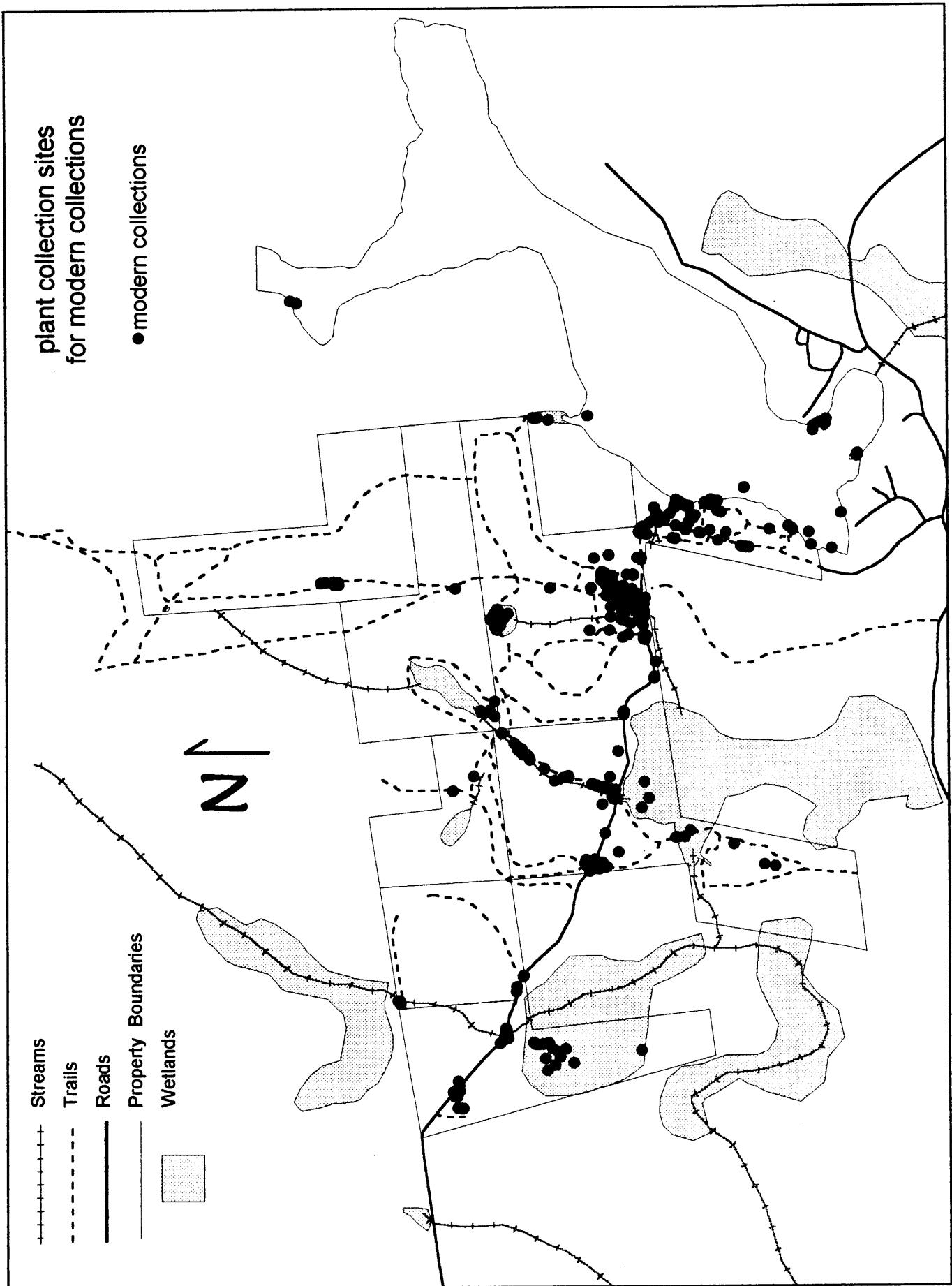
# Dyken Pond Environmental Education Center

and adjoining properties

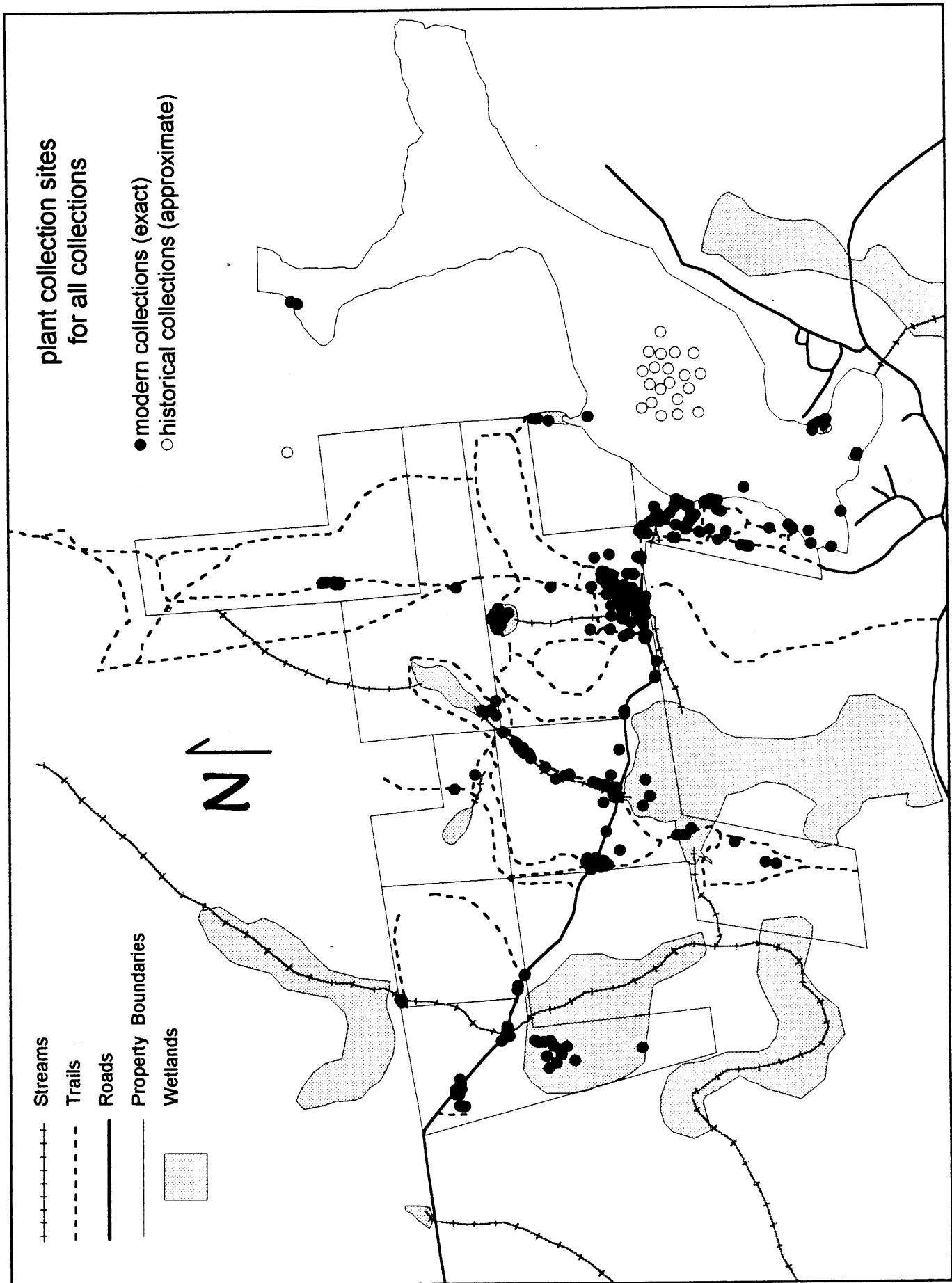




## Dyken Pond Plant Collections

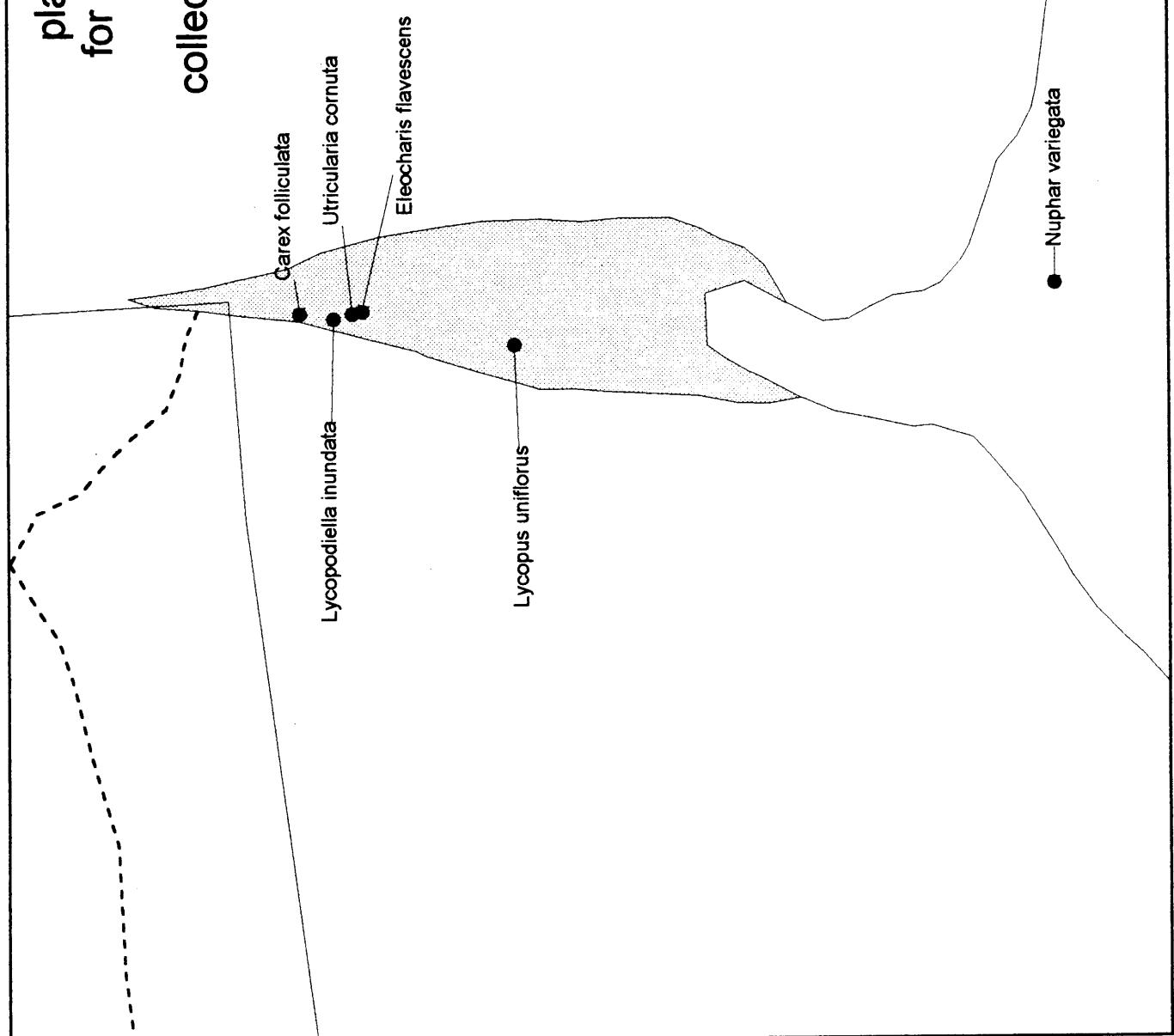


## Dyken Pond Plant Collections

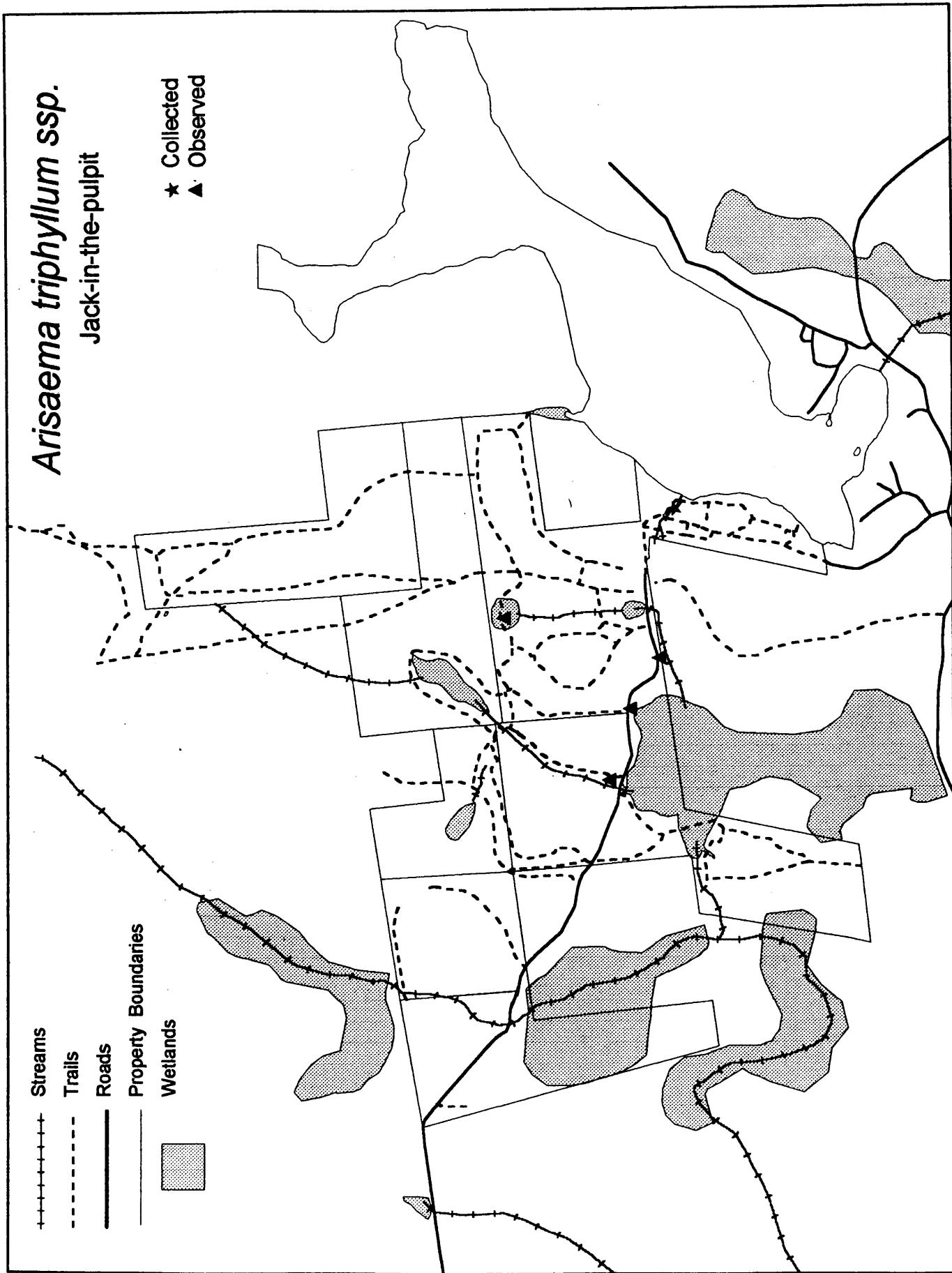


# Dyken Pond Plant Collections

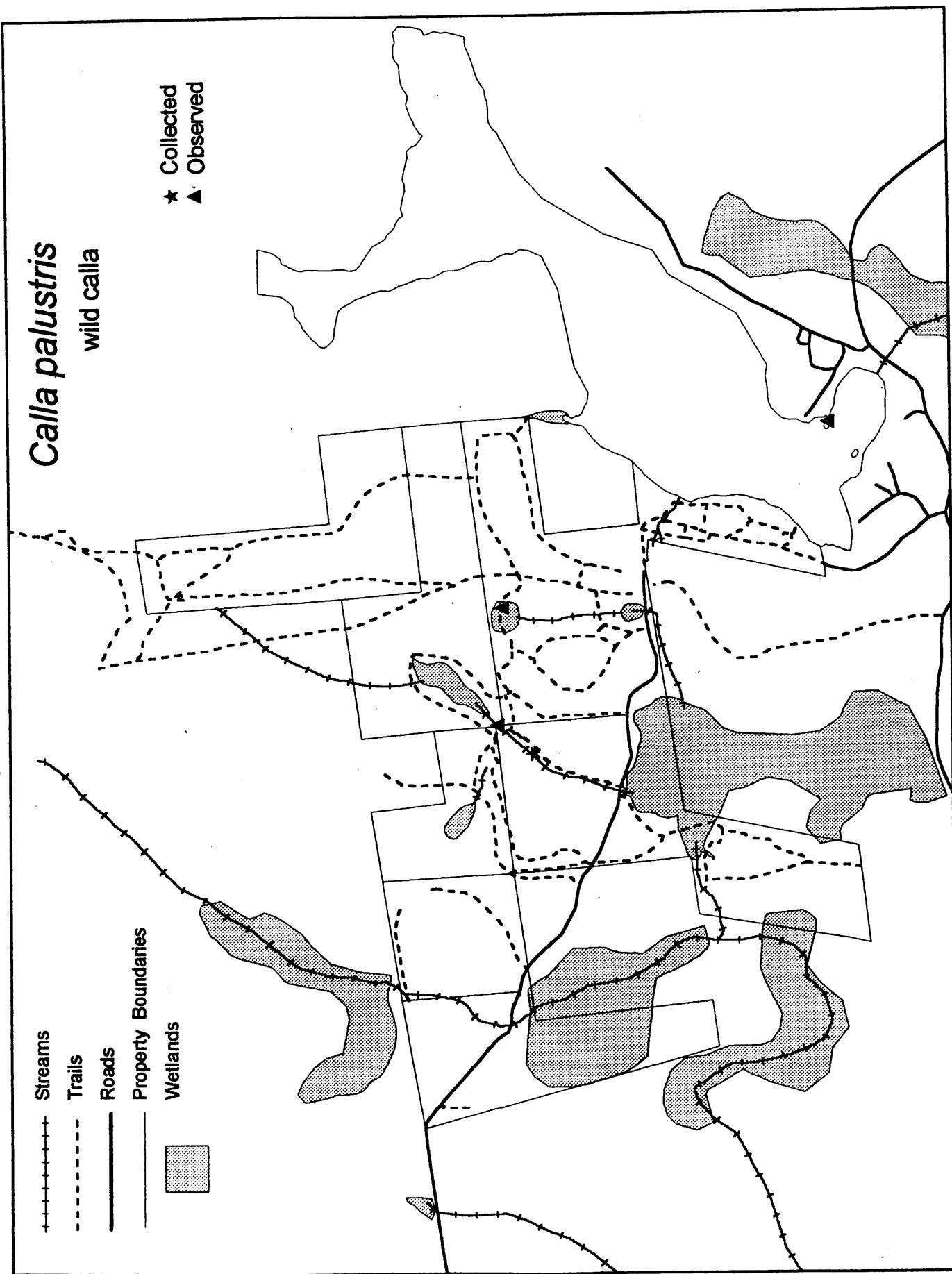
plant collection sites  
for modern collections  
collections at "Otter Cove"



## Dyken Pond Plant Distribution



## Dyken Pond Plant Distribution



## Dyken Pond Plant Distribution

### *Chamaedaphne calyculata*

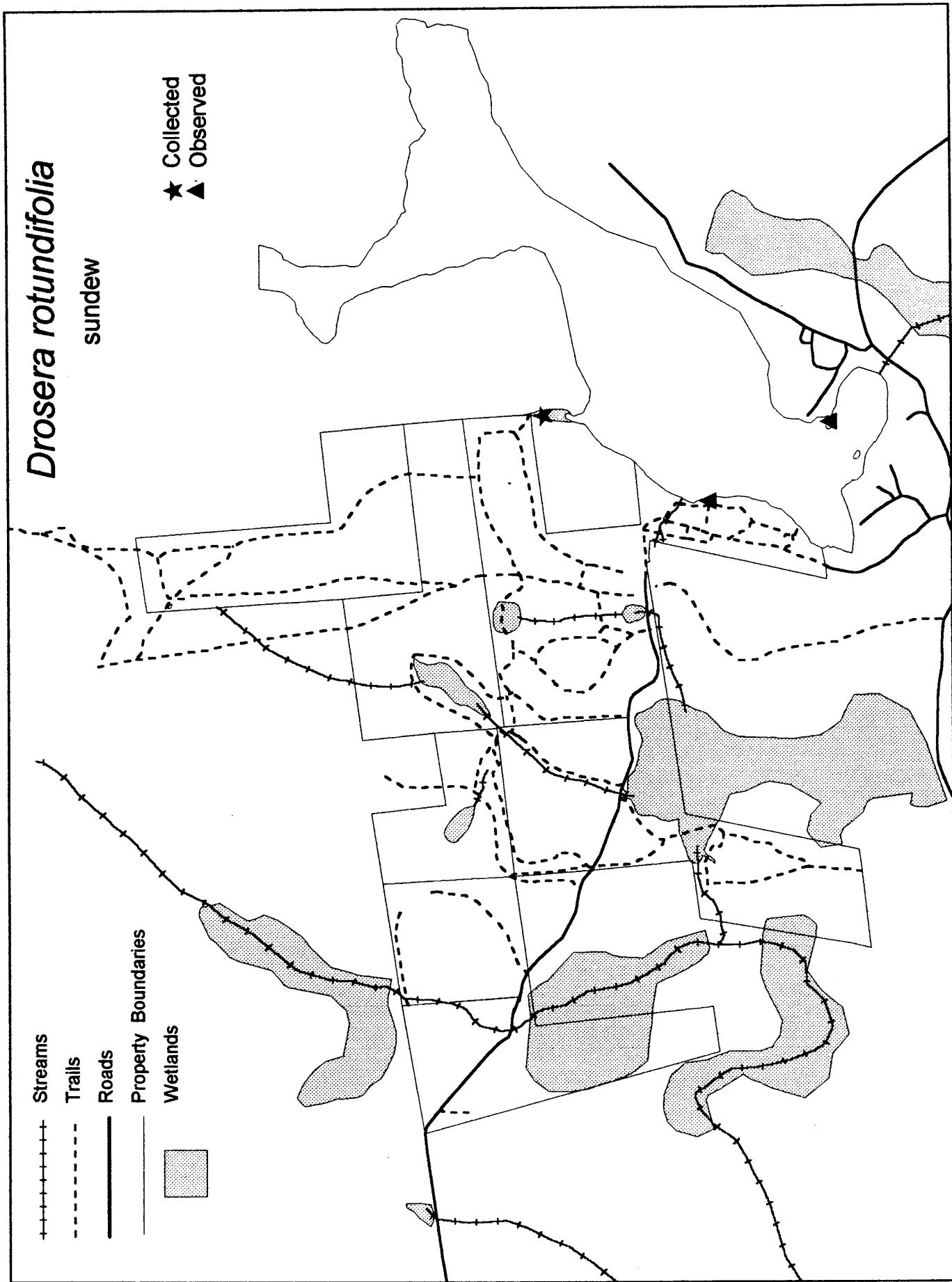
leatherleaf

- Streams
- Trails
- Roads
- Property Boundaries
- Wetlands

- Collected
- Observed



## Dyken Pond Plant Distribution



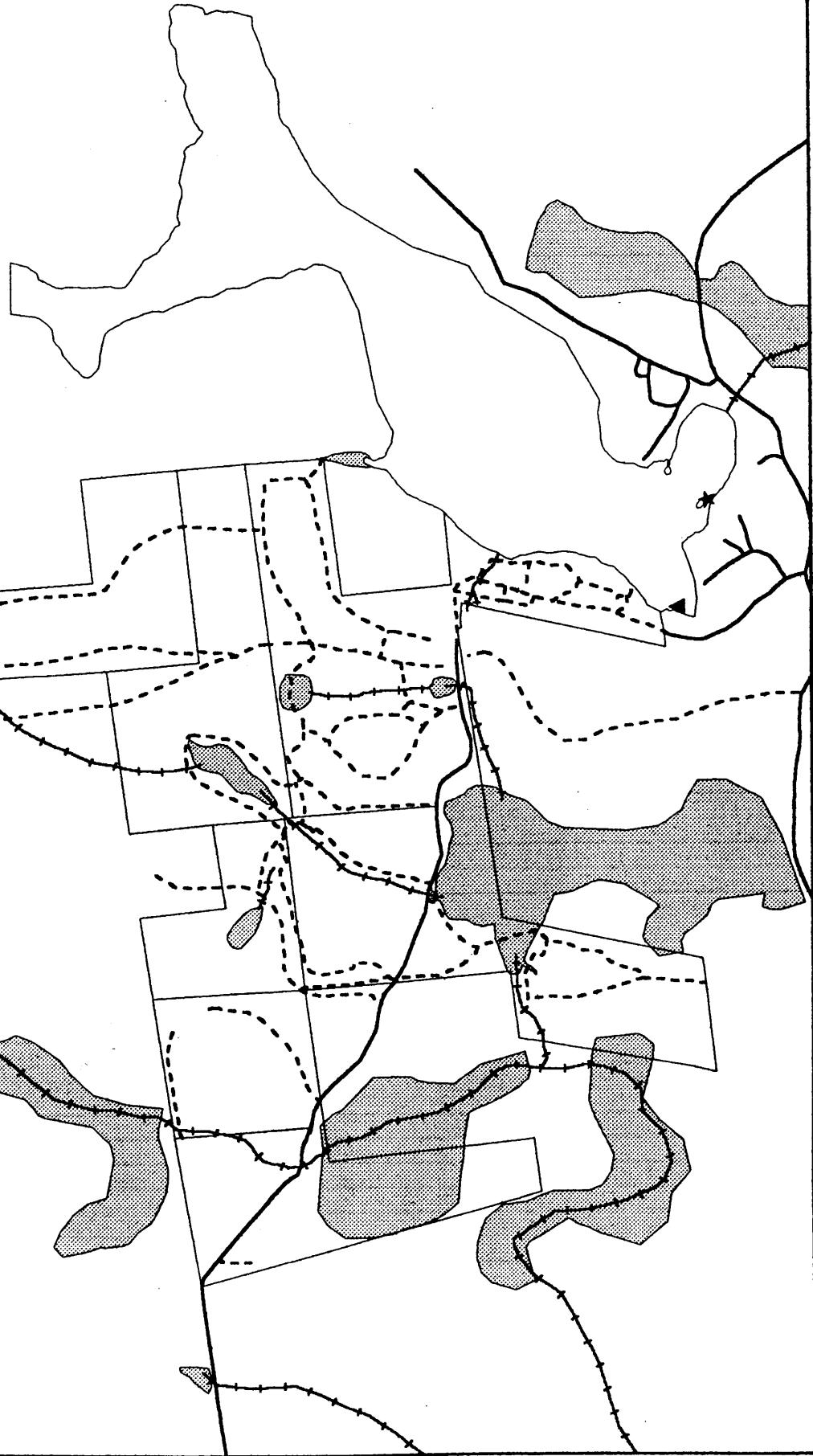
## Dyken Pond Plant Distribution

*Isoetes echinospora*

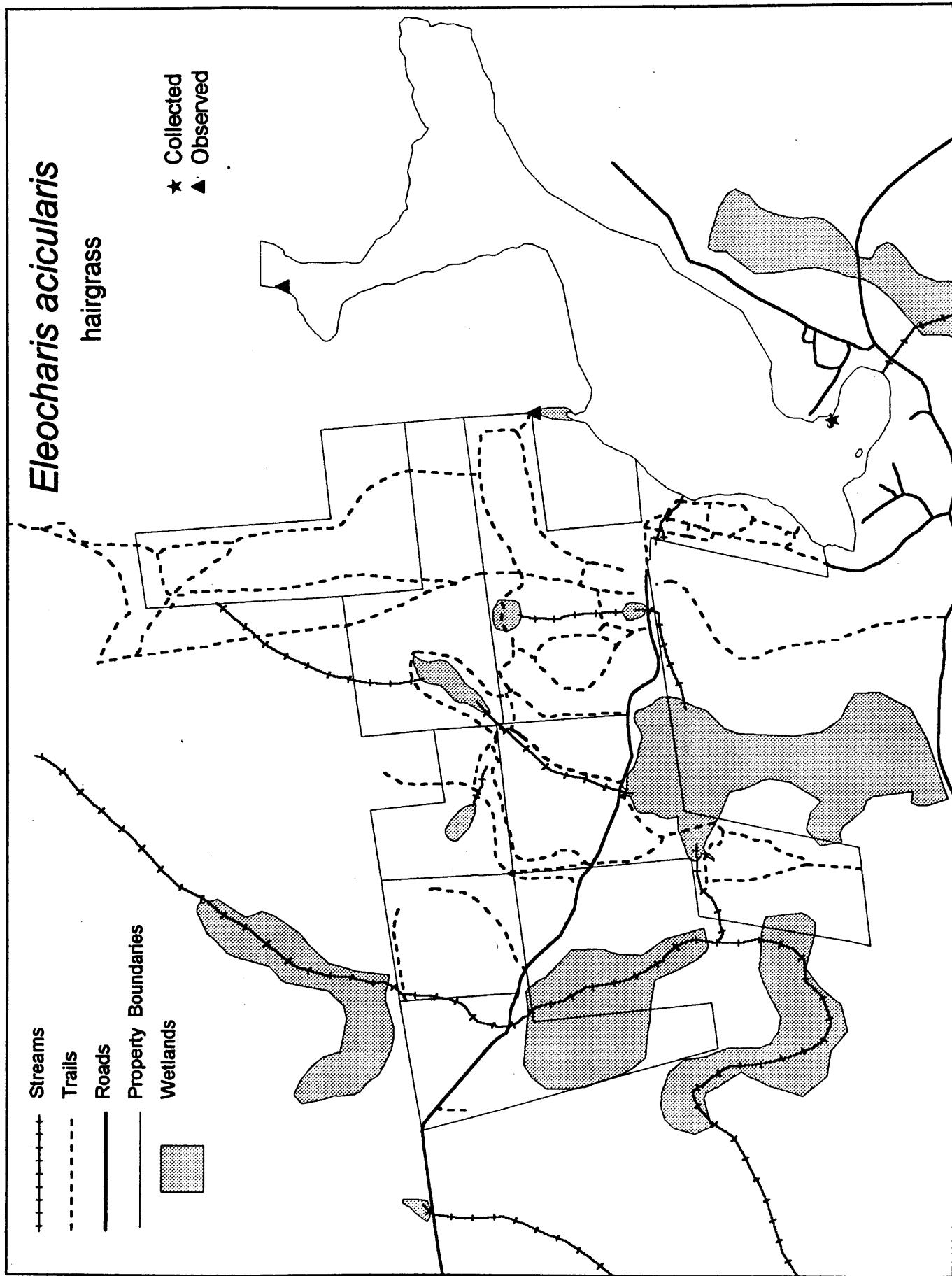
stiff quillwort

- Streams
- Trails
- Roads
- Property Boundaries
- Wetlands

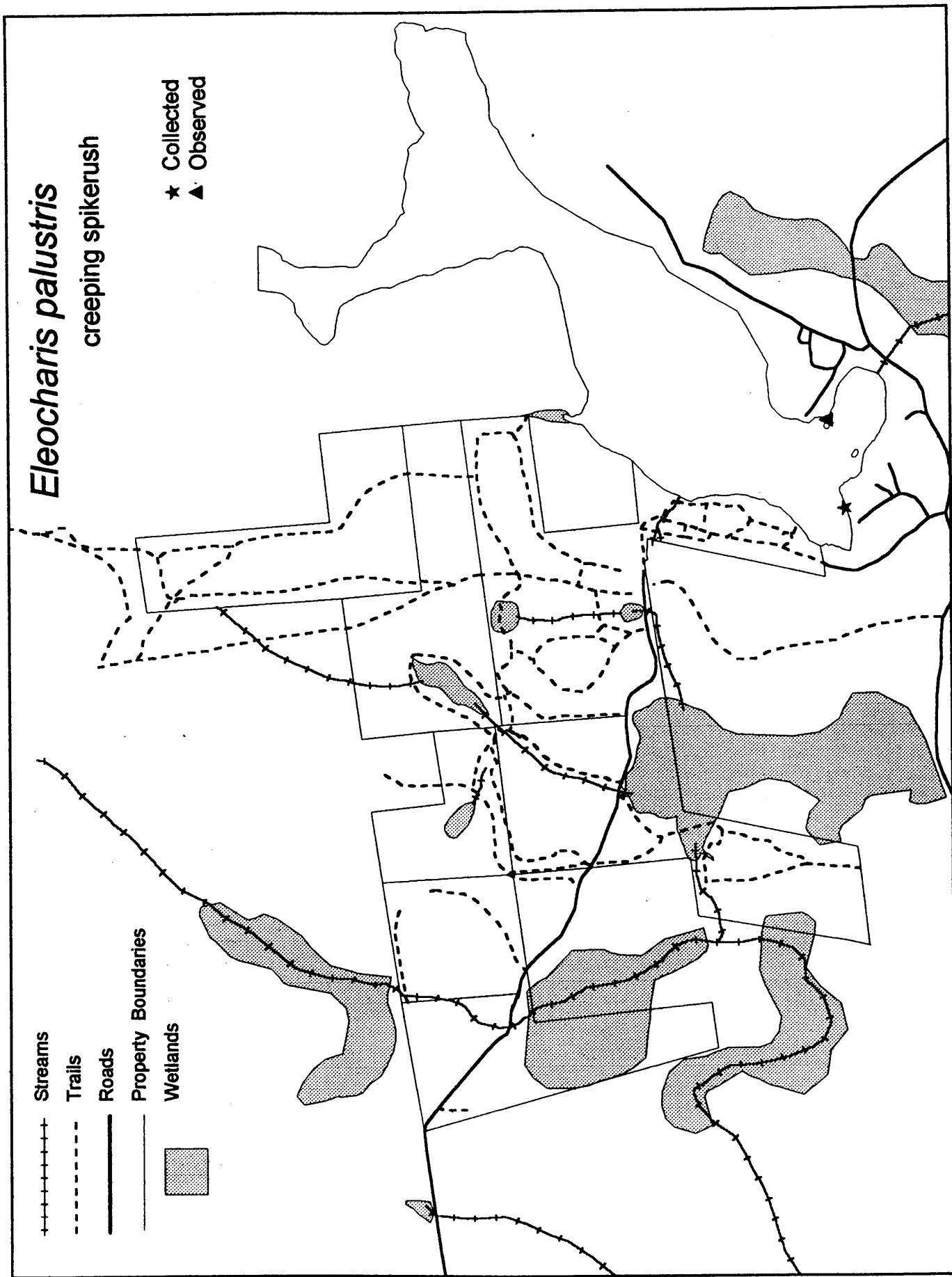
- \* Collected
- ▲ Observed



## Dyken Pond Plant Distribution



## Dyken Pond Plant Distribution



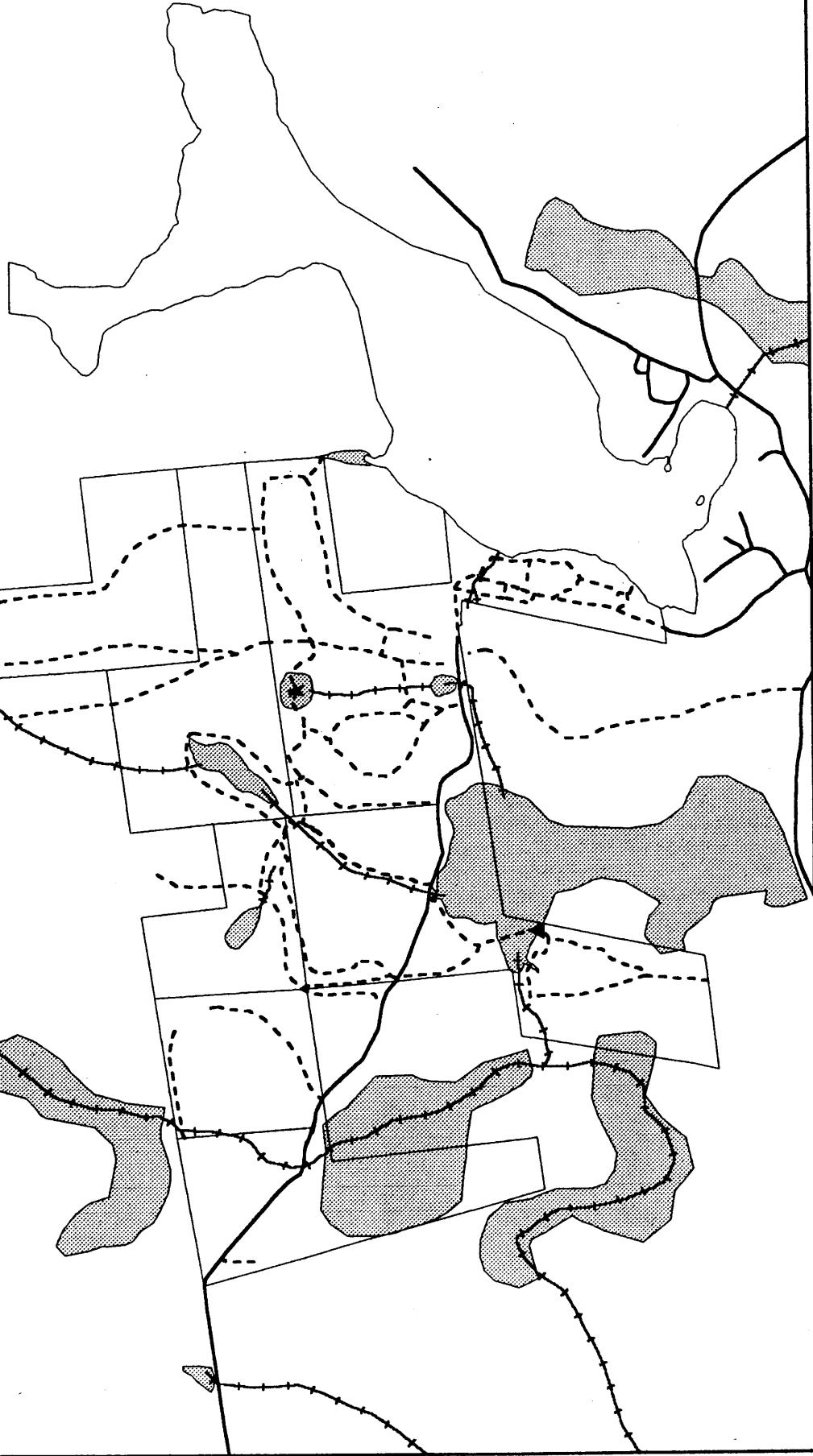
## Dyken Pond Plant Distribution

### *Eriophorum virginicum*

### tawny cottongrass

- Streams      +---+
- Trails      - - -
- Roads      - - - -
- Property Boundaries      ———
- Wetlands      [Hatched Box]

- ★ Collected
- ▲ Observed



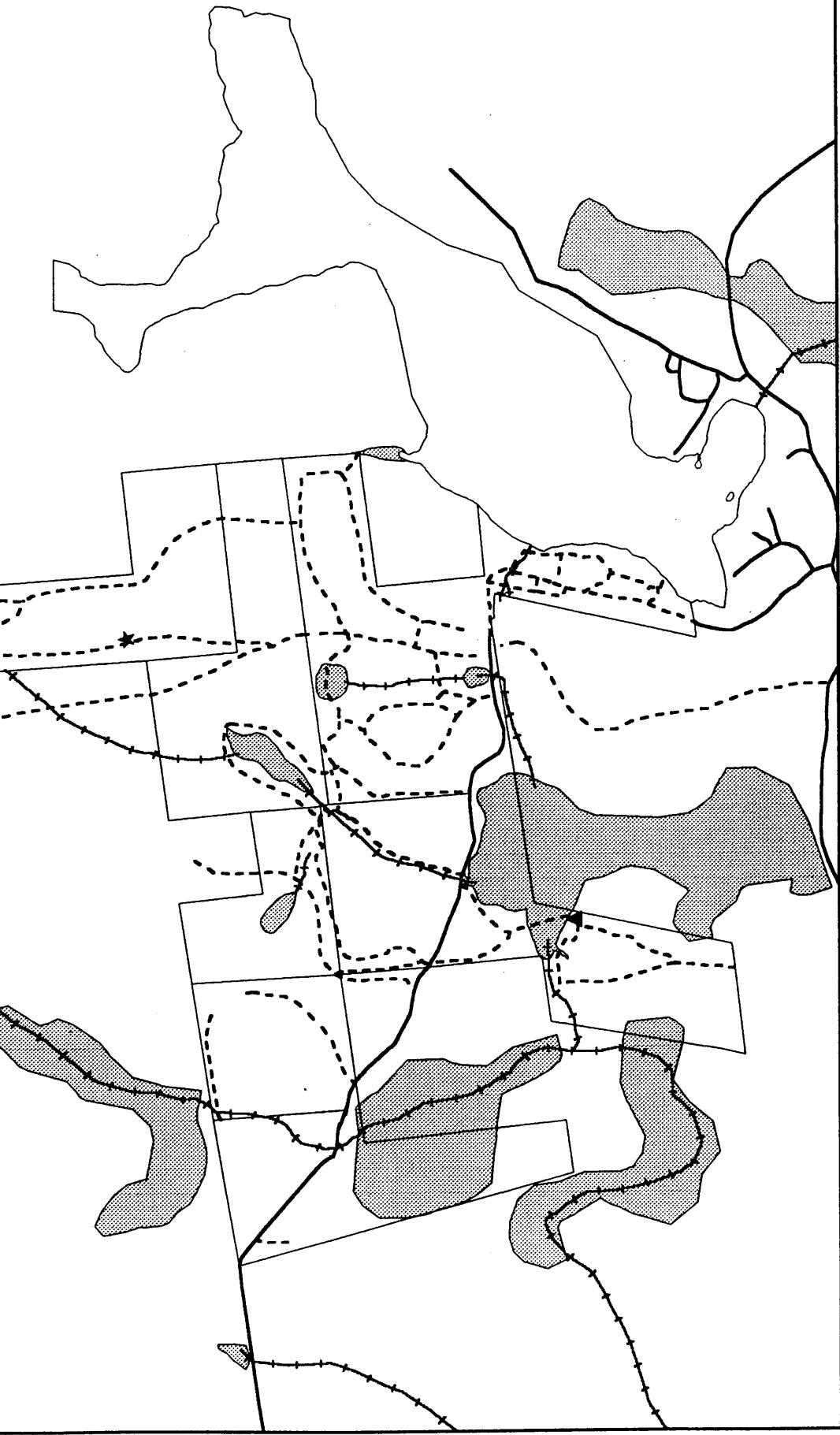
## Dyken Pond Plant Distribution

### *Fraxinus americana*

white ash

- Streams
- Trails
- Roads
- Property Boundaries
- Wetlands

- ★ Collected
- ▲ Observed



## Dyken Pond Plant Distribution

### *Gaultheria hispida*

creeping snow-berry

★ Collected  
▲ Observed

- Streams
- Trails
- Roads
- Property Boundaries
- Wetlands



## Dyken Pond Plant Distribution

*Kalmia angustifolia*  
sheep laurel

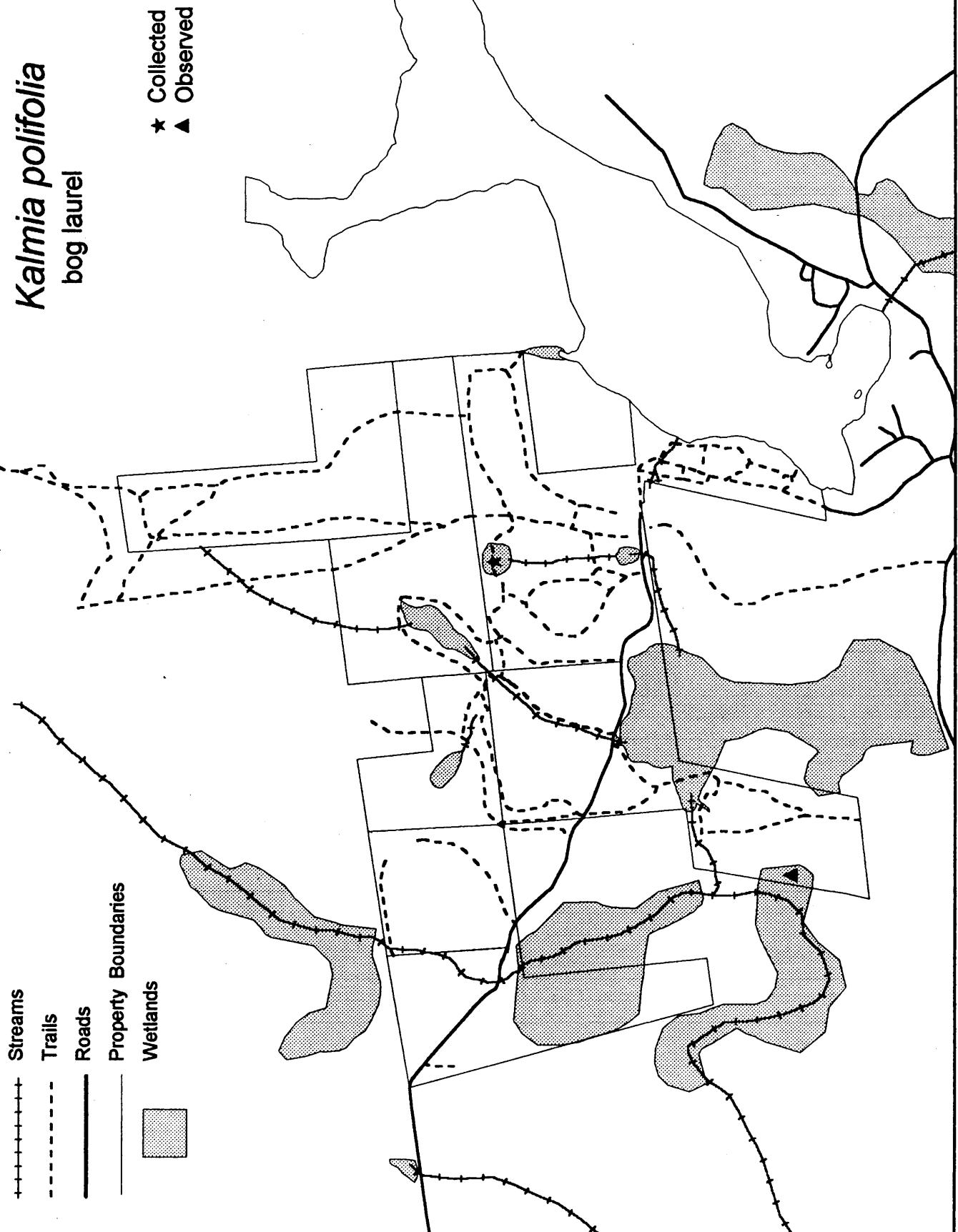
- Streams
- Trails
- Roads
- Property Boundaries
- Wetlands

- ★ Collected
- ▲ Observed

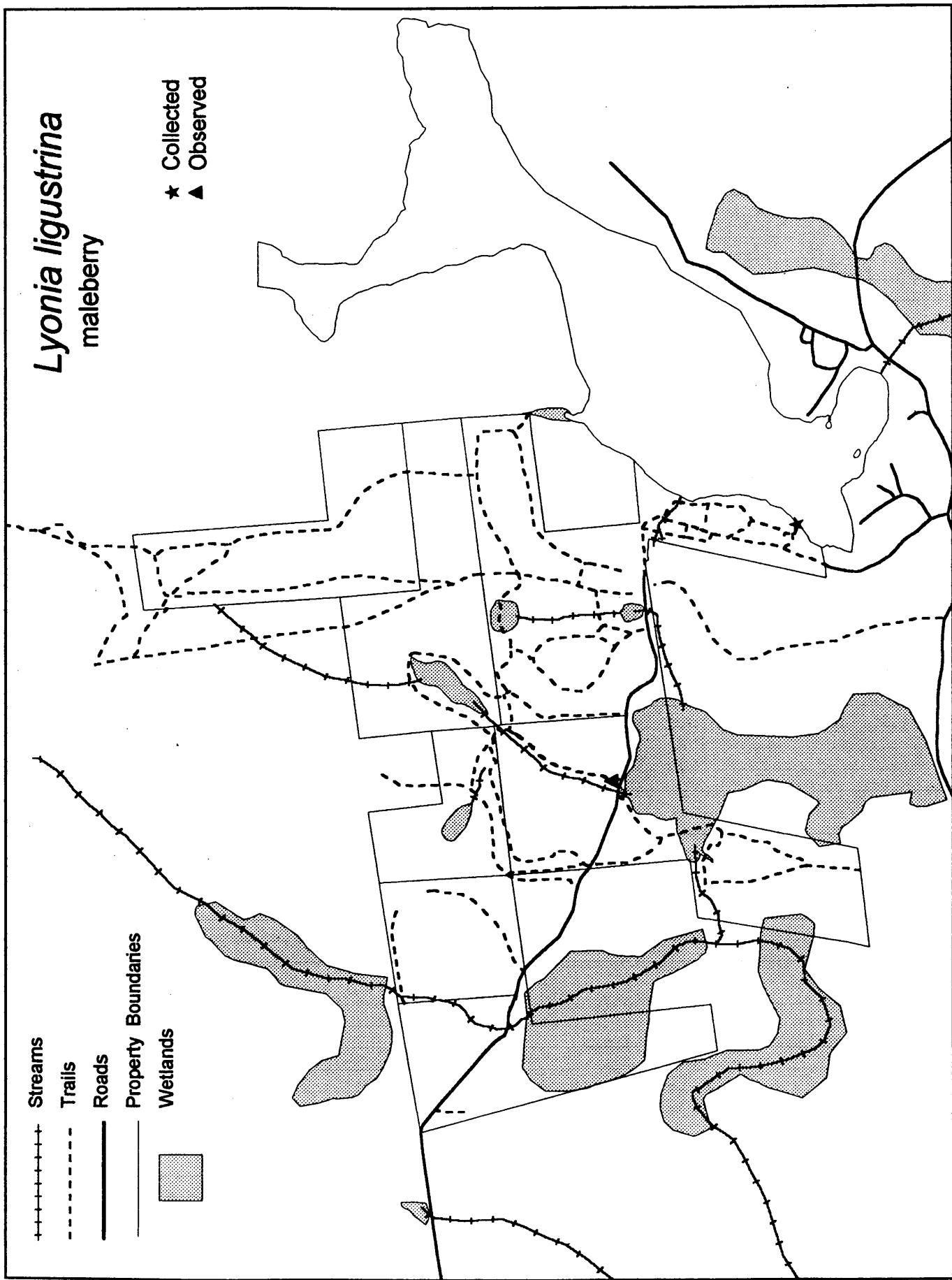


## Dyken Pond Plant Distribution

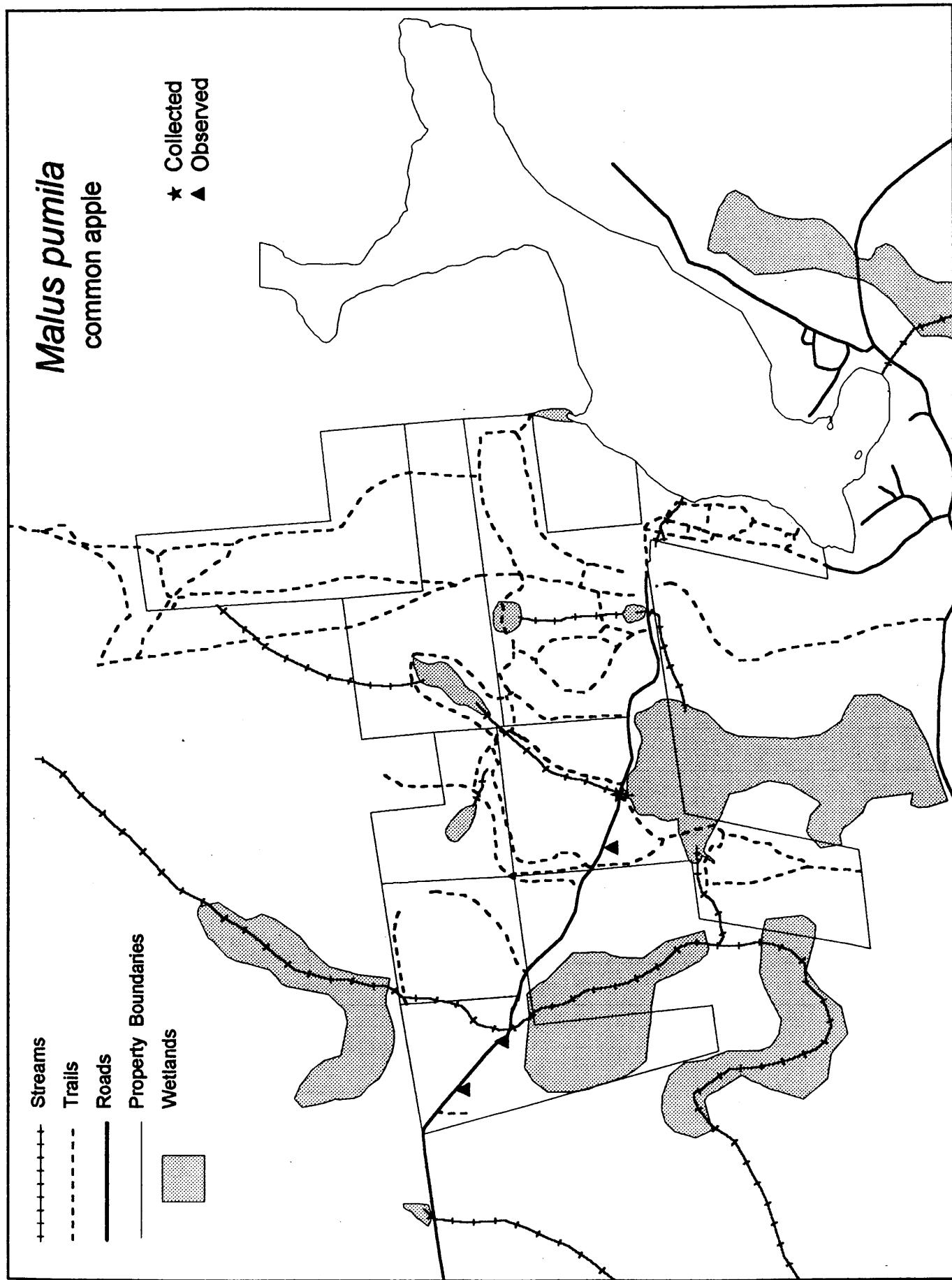
### *Kalmia polifolia* bog laurel



## Dyken Pond Plant Distribution



## Dyken Pond Plant Distribution



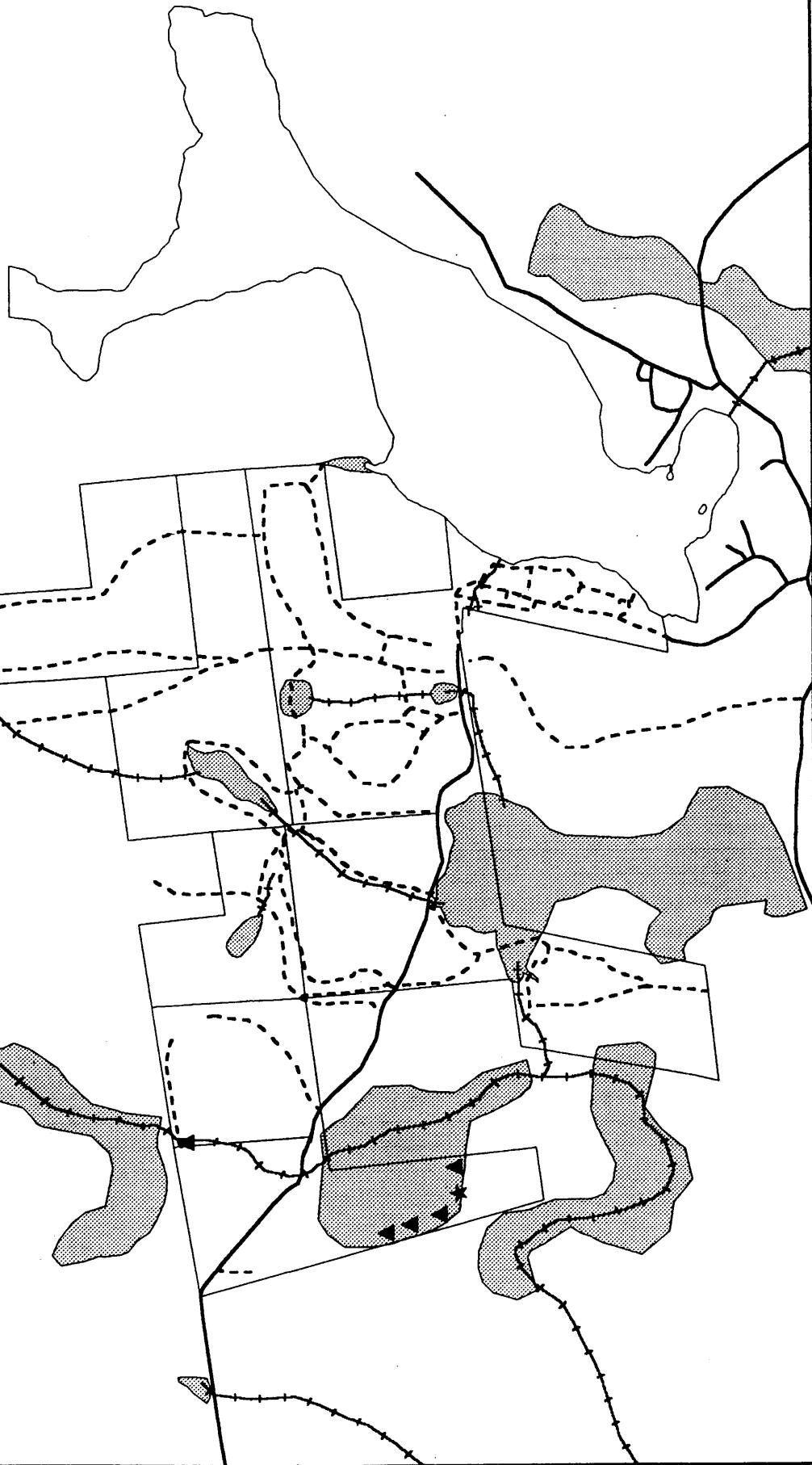
## Dyken Pond Plant Distribution

### *Nemopanthus mucronatus*

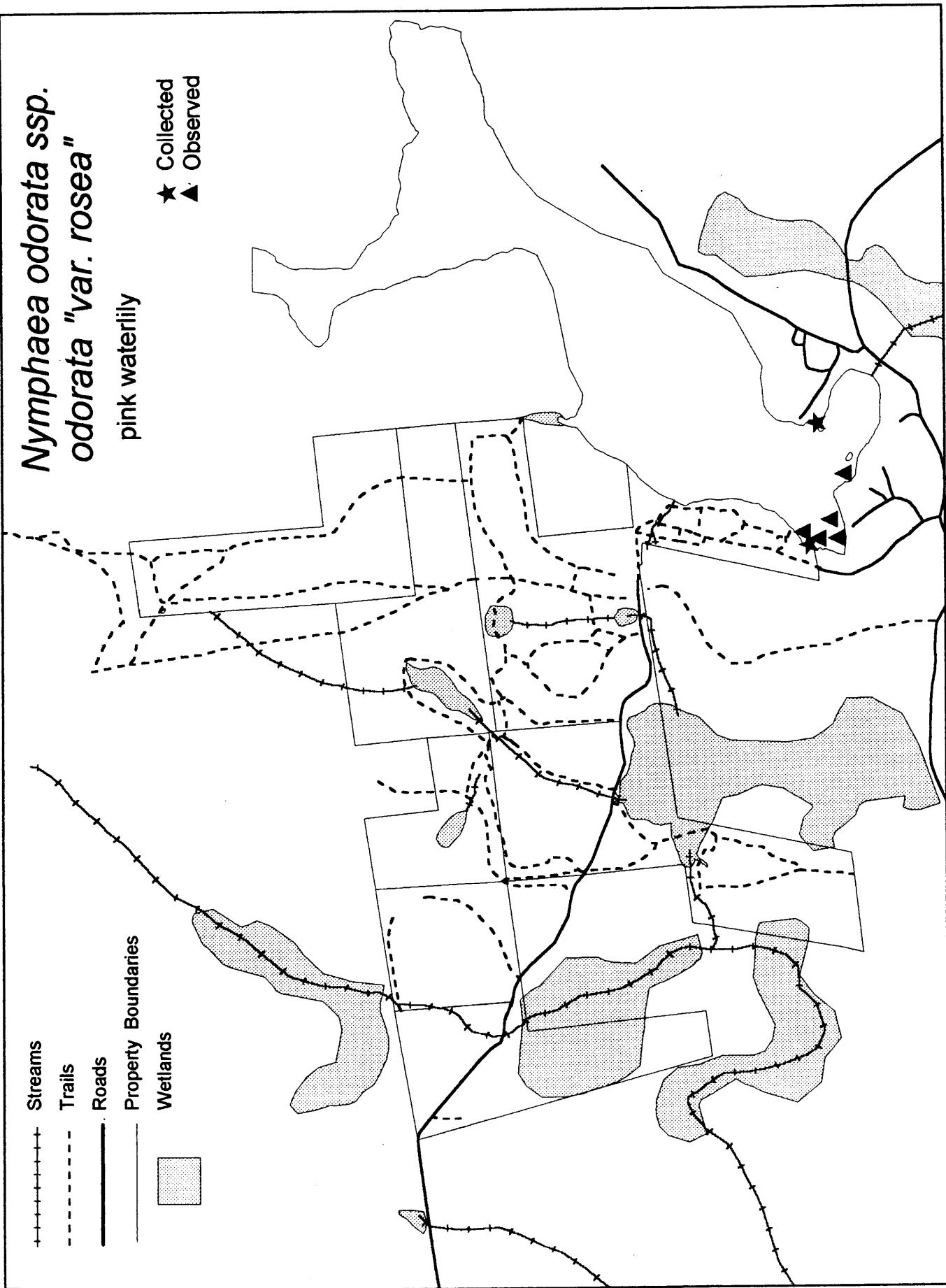
mountain holly

- Streams      +-----+
- Trails      - - - - -
- Roads      ——————
- Property Boundaries
- Wetlands      [■]

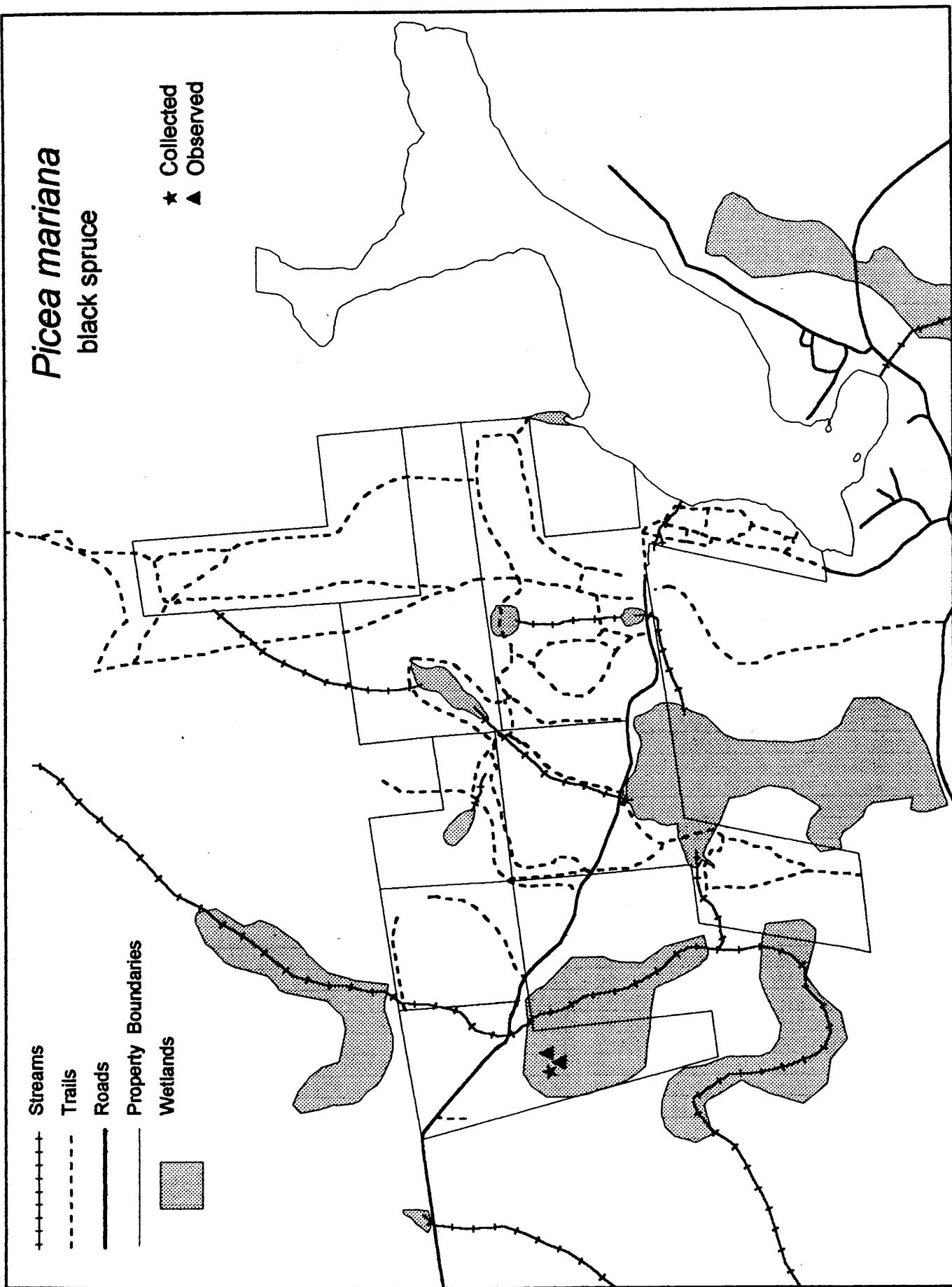
- ★ Collected
- ▲ Observed



## Dyken Pond Plant Distribution



## Dyken Pond Plant Distribution



## Dyken Pond Plant Distribution

### *Populus tremuloides*

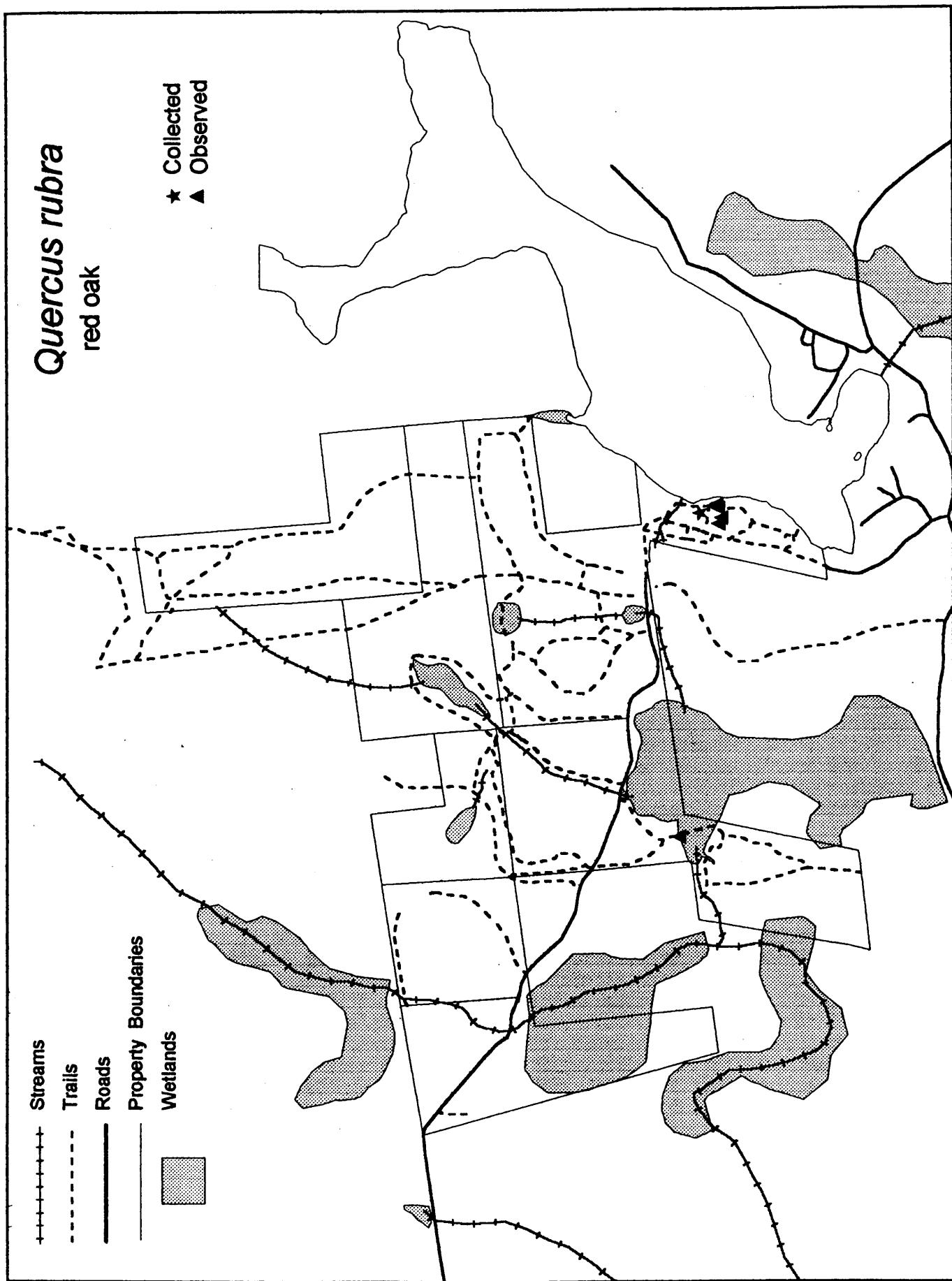
quaking aspen

- Streams
- Trails
- Roads
- Property Boundaries
- Wetlands

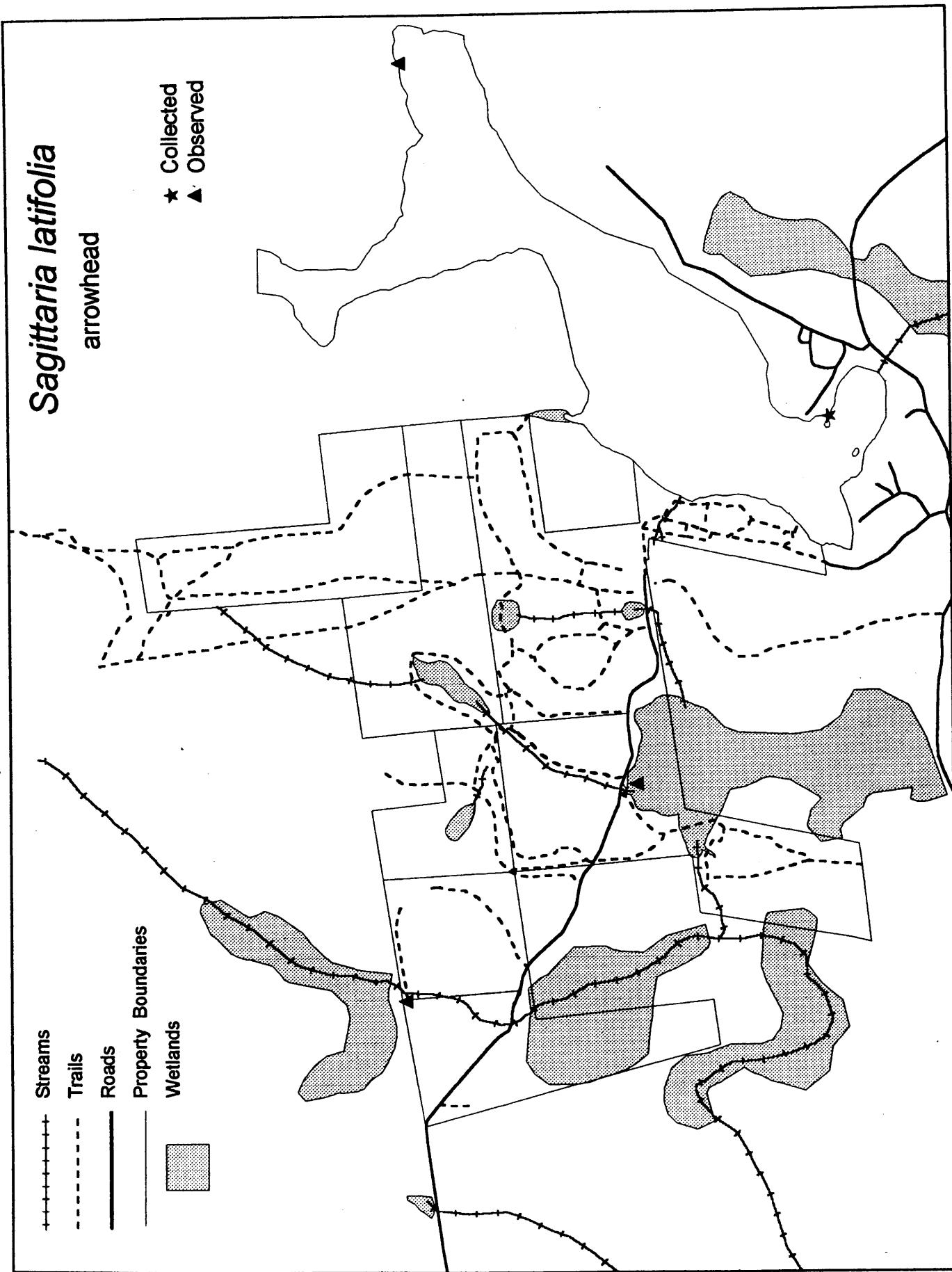
- ★ Collected
- ▲ Observed



## Dyken Pond Plant Distribution



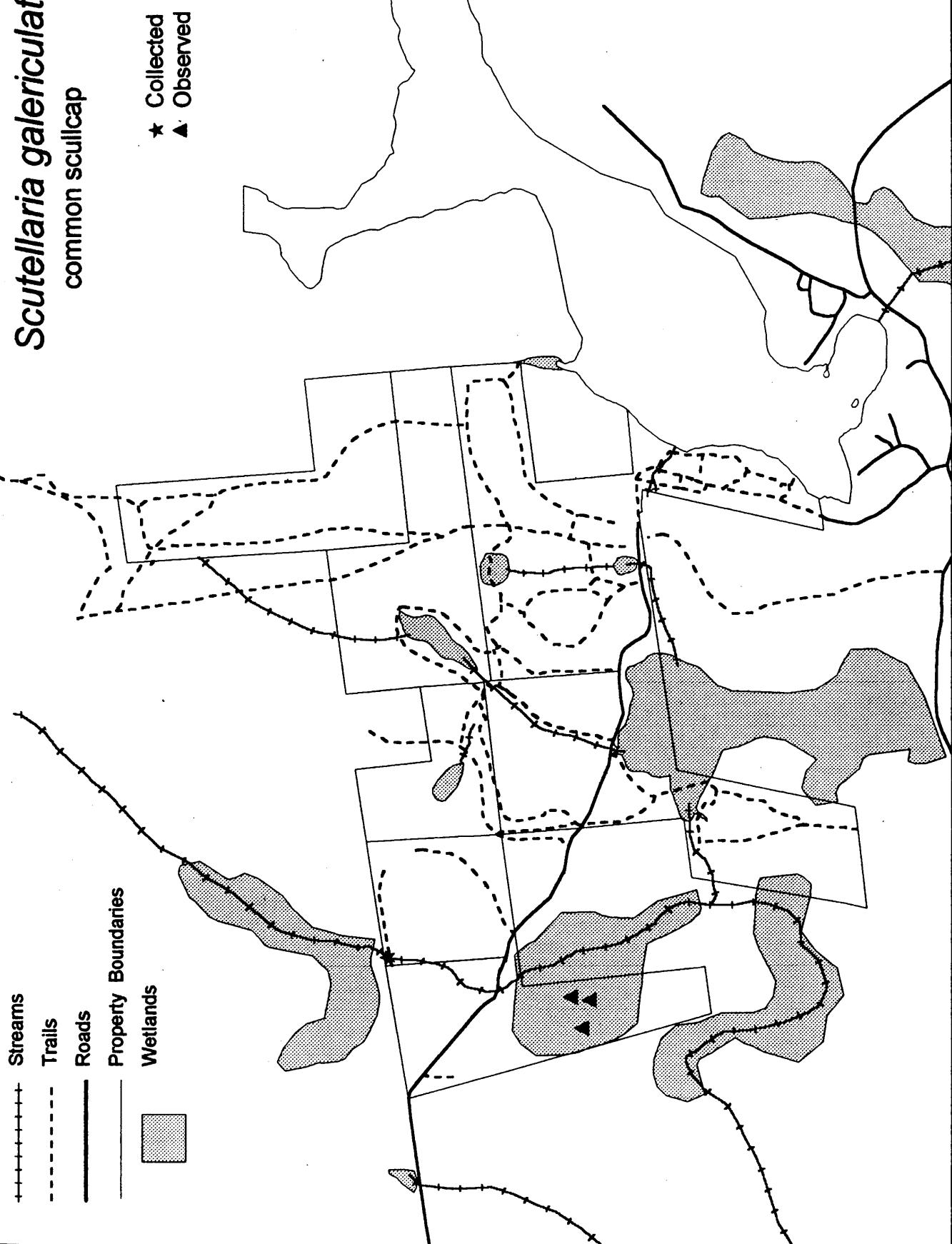
## Dyken Pond Plant Distribution



## Dyken Pond Plant Distribution

### *Scutellaria galericulata*

common scutellaria



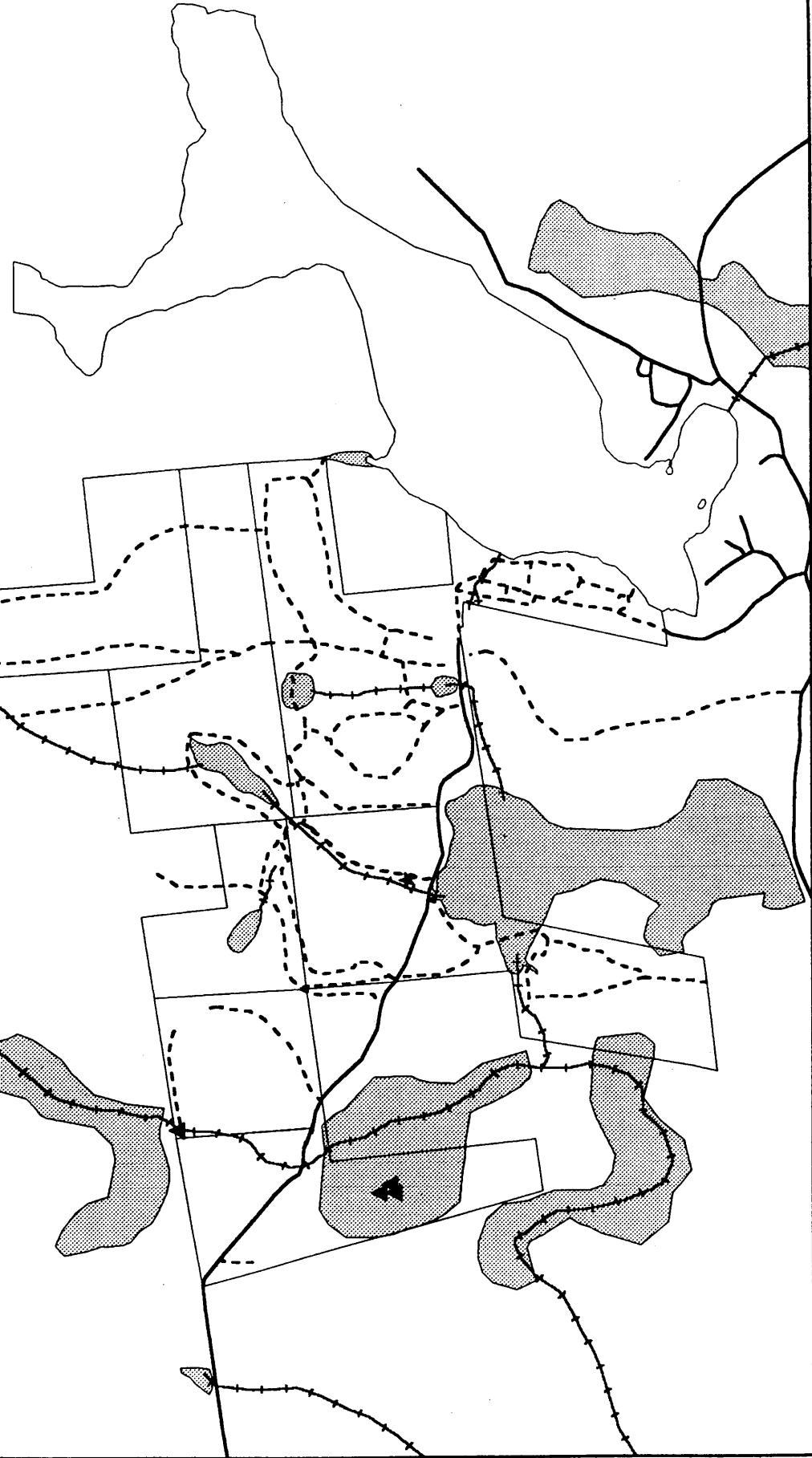
## Dyken Pond Plant Distribution

### *Scutellaria lateriflora*

mad-dog scullcap

- Streams
- Trails
- Roads
- Property Boundaries
- Wetlands

- ★ Collected
- ▲ Observed



## Dyken Pond Plant Distribution

