HALIBURTON FLORA

AN ANNOTATED LIST OF THE VASCULAR PLANTS
OF THE COUNTY OF HALIBURTON, ONTARIO

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ELEANOR G. SKELTON AND EMERSON W. SKELTON

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FOREWORD

It was with surprise and sorrow that I learned of the passing of Mrs. Eleanor Skelton on 1 October 1989. My memories of Eleanor will be of an extraordinary woman, an impressive botanist, a devoted wife, and a good friend. Born and raised in Toronto, she undoubtedly developed a love of nature and the outdoors during her childhood and youth when she spent her summers at the family cottage on Gull Lake in Haliburton. She pursued her education through the university level and graduated from the University of Toronto with a General Arts degree with emphasis on biology.

Eleanor was ready to accept any challenge. Having decided that biology, especially the study of fish, sparked her interest, Eleanor made inroads into this male-dominated field by gaining employment with the Ontario Fisheries Research Lab from 1929 to 1932. In 1931 she deposited her first plant collection in the herbarium at the University of Toronto (TRT).

It is difficult to talk about Eleanor without mentioning her husband Emerson. They met while they were students at the university and were married in 1931. Their mutual interest in natural history, and in fact in all facets of science, and their enjoyment of the outdoors continued to be important throughout their married life. During the years of Emerson's career as a chemical engineer he became an accomplished photographer of wildflowers.

Emerson retired in 1975 and the couple embarked on a special project. I first met Eleanor and Emerson in 1976 when they were auditing a course in plant taxonomy at the University of Toronto Botany Department and were bringing in plant specimens to identify from their summer holiday in Haliburton. With the enthusiastic support of Dale Hoy, at the time curatorial assistant at TRT, they began their project of documenting the plants of the county of Haliburton. For eight years, from 1976 to 1983, the Skeltons rented a cottage in Haliburton, sometimes departing from the city as early as April and returning to Toronto at Thanksgiving. They conducted field excursions, collecting and carefully pressing plant specimens throughout the growing seasons. During the winter they identified and painstakingly mounted the collections, providing TRT with some of that herbarium's finest specimens. They would mark particular trees or shrubs—in order to collect flowering, fruiting, and mature leaf material from the same individual—and mount all the stages on a single sheet, sometimes even including a close-up photograph of the flower or the habitat. In all they donated more than 2100 herbarium sheets representing more than 930 taxa to the TRT. The neatness and completeness of their specimens are outstanding. The collections are a real asset to the herbarium and are often consulted by artists and researchers; this shows that

nonprofessional or “amateur” botanists can make very worthwhile contributions to science.

Emerson became the grass and sedge expert of the team, while Eleanor was the aquatic specialist. Aquatic plant communities always commanded a very special place in Eleanor’s heart, and she spent innumerable hours in the canoe with Emerson and investigated the submerged, floating, and emergent vegetation of the many rivers and lakes in Haliburton. She made some outstanding discoveries, such as locating a colony of the provincially rare bladderwort *Utricularia geminiscapa* and an especially large colony of another bladderwort *U. gibba*. Her interest in the effects of acidic precipitation on the vegetation of Haliburton—in particular on the aquatic systems—led her to confer with the Ontario Ministry of Environment staff at Dorset, Ontario, and eventually to contribute lists of plants present at specific lakes in the region to the Acidic Precipitation in Ontario Study.

During the years the Skeltons spent collecting their specimens from Haliburton, Emerson pursued another project. He was involved in annotating and recording specimens of the James H. White Collection, which had been acquired from the University of Toronto Faculty of Forestry. These specimens, from the early 1900’s, were donated to TRT in 1976 when their historical significance became apparent.

Once the Skeltons’ own collections from Haliburton were completed to their satisfaction, from 1983 to 1986 they took on the mammoth task of writing up their findings and incorporating geologic, topographic, and soil information. This phase also included checking the herbaria in Ottawa and in the Algonquin Park Museum for additional Haliburton records. Their intention was to produce a scientifically valuable work that would be straightforward enough to be used by naturalists. Because of their contributions to the herbarium, the Skeltons became field associates in the Department of Botany of the Royal Ontario Museum in early 1987.

During the final writing stages, Emerson’s health began failing, leaving the onus to fall on Eleanor. She rose to the occasion and completed the manuscript, which was then submitted to the Museum for publication. The review process, both internal and external, resulted in further changes that Eleanor ably dealt with right up until the summer of 1989, with help from the Museum’s Department of Botany.

In the fall of 1988 the Skeltons had moved to Owen Sound. In the following spring they began exploring their new surroundings and, when I visited that August, even sent specimens back with me to the herbarium. During my visit, Eleanor joined me on a brief trip to collect fruiting specimens of *Crataegus douglasii* south of Wiarton. Although obviously in pain, she

showed undaunted interest as she searched the roadsides for this unusual black-fruited hawthorn.

It would have been very satisfying for Eleanor to have been able to browse through *Haliburton Flora*. Even though this cannot be so, her work in print will be a fitting tribute to this remarkable person and to her husband, both of whom I am very proud to have known. Their retirement project has proved to be a very valuable scientific contribution.

Sheila McKay-Kuja
Department of Botany
University of Toronto
December 1989

TOWNSHIP
ABBREVIATION
↓ - FULL NAME

Ans - Anson
Brt - Bruton
Crd - Cardiff
Cly - Clyde
Dud - Dudley
Dys - Dysart
Gfd - Guilford
Glm - Glamorgan
Hbn - Harburn
Hct - Harcourt
Hav - Havelock
Hin - Hindon
Liv - Livingstone
Lut - Lutterworth
Lwr - Lawrence
Mnd - Minden
Mon - Monmouth
McC - McClintock
Ngt - Nightingale
Shb - Sherborne
Sno - Snowdon
Stn - Stanhope

FIG. 1. Location of the county of Haliburton in southern Ontario. Township abbreviations on Figs. 1 and 2 and throughout the annotated list: Ans, Anson; Brt, Bruton; Cly, Clyde; Crd, Cardiff; Dud, Dudley; Dys, Dysart; Gfd, Guilford; Glm, Glamorgan; Hav, Havelock; Hbn, Harburn; Hct, Harcourt; Hin, Hindon; Liv, Livingstone; Lut, Lutterworth; Lwr, Lawrence; McC, McClintock; Mnd, Minden; Mon, Monmouth; Ngt, Nightingale; Shb, Sherborne; Sno, Snowdon; Stn, Stanhope. [Map by Celia Godkin]

INTRODUCTION

The county of Haliburton, an area of 452 282 hectares, is situated in the heart of southern Ontario's vacationland (Fig. 1). Its more than six hundred lakes, resorts, canoe routes, and wilderness areas attract numerous visitors, cottagers, naturalists, and scientists, and an increasing number of retirees. In the fall tourists pour into the county to enjoy the spectacular display of autumn colours. Even within towns, the lushness of the trees and the colours and configurations of the rock formations provide vistas of scenic beauty.

This largely wooded landscape is, however, occasionally interrupted by open areas and, in its southern parts, by a few viable farms. Often the open areas represent the disappointed hopes of early settlers, or more recent projects of man such as hydro-line cuts, borders of highways, occasional waste dumps, and railway lines now abandoned.

A cumulative list of flora found in the county of Haliburton has not previously been produced, and there are very few records to suggest that early botanists passed this way. Our intention is to bring together the results of our eight years of explorations in the county of Haliburton, on land and on water, and other collectors' records that we found and examined in Ontario herbaria.

The plan to produce a checklist of the vascular plants of the county of Haliburton originated with Dale Hoy (formerly Dale Leadbeater), at the time a curatorial assistant in the herbarium of the Department of Botany, University of Toronto (TRT) and a summer resident of Harcourt Township. Most of the specimens on the list from that township, and some from neighbouring areas, were collected and identified by Dale. We joined her in the project in 1976, and upon her retirement from TRT she produced a preliminary list of our combined collections. The continuation of the project has been carried on with her encouragement.

Undoubtedly there are more vascular plant species to be found in the county of Haliburton than appear here. We hope that this list of 922 named plants, which includes 110 families and 899 species, will be useful to botanists, environmentalists, and naturalists, both professional and nonprofessional.

FEATURES OF HALIBURTON SIGNIFICANT TO THE FLORA

TOPOGRAPHY, DRAINAGE, ROADS

The overall contour of Haliburton forms part of the Algonquin dome with the top of the dome just north of the northern boundary of the county, within Algonquin Park. Manitou Mountain, in Lawrence Township and with an ele-

vation of 564 m, is the highest peak in the county of Haliburton, while the highest lake surface is 482 m at nearby McGarvey Lake. From this high area the land slopes downwards to east, west, and south, reaching a level of 270 m at Gull Lake in Lutterworth Township. The terrain throughout is characterized by rugged ridges, clefts, valleys, small pockets or stretches of wetlands, occasional sand or mud flats, a multitude of streams, ponds, and more than 600 lakes. The high rock ridges, slopes, and lowlands provide a variety of habitats for the trees, shrubs, and herbaceous plants that appear on the list.

Eight rivers provide drainage in the county of Haliburton. The Hollow River, originating in Lawrence Township, supplies water to Lake Kawagama, which drains into the south Muskoka River via Lake of Bays. The flow continues through Muskoka Lake and the Moon and Musquash rivers to Georgian Bay. The York River originates in northern Harburn Township and flows east and south before it leaves the county to join the Madawaska River flowing into the Ottawa River system. The Drag, Burnt, Irondale, Crowe, Gull, and Kennisis rivers gather their waters from run-off, bog and swamp seepage, creeks, and chains of lakes before eventually joining the Trent River system, which flows into Lake Ontario.

Much of the water flowing into the Trent-Severn Waterway is controlled by dams in the upper reaches such as Haliburton, in order to maintain a navigable water level farther south. The effect on plant life in Haliburton is quite noticeable, particularly in dry seasons when shorelines are exposed. For example, hedge-hyssop (*Gratiola neglecta*), a shoreline plant, may increase greatly in numbers because its seeds can withstand long periods of submersion and germinate when exposed. Some species cannot withstand the exposure and decrease or disappear. In unusually wet seasons when the water is held back, water lobelia (*Lobelia dortmanna*) and lance-leaved violet (*Viola lanceolata*) have been seen blooming below the surface of the water, while arrowhead (*Sagittaria* spp.), rooted on the bottom, will grow unusually long stems to reach the surface and will produce few or no flowers.

The main roads through the county are Hwy. 35, entering Lutterworth Township at the southern boundary and running north through Dorset, in Sherborne Township, and Hwy. 121, running east-west through the southern townships (Fig. 2). Many secondary paved roads link popular resort areas and communities, and gravel roads lead into some of the more remote areas. Many old logging roads through "bush country" remain and serve as convenient and rewarding paths for field botanists.

Roadsides usually provide favourable growing conditions for numerous plants because of their openness to sunlight and, in many locations, because of the extra water supply present in damp to wet ditches along their routes.

ROCKS AND GLACIAL DEPOSITS

The rocks of Haliburton are of Precambrian origin, lying within the Precambrian Shield, and are predominantly granitic. Folding, faulting, warping, volcanism, and metamorphism, along with erosion and sedimentation, pro-

FIG. 2. Main highways and larger lakes of the county of Haliburton. See Fig. 1 caption for list of township abbreviations. [Map by Celia Godkin]

duced a rugged landscape and a large variety of rocks and minerals. Many of these can be seen in colourful displays of greys, whites, blacks, and pinks along shores and road cuts in horizontal or contorted bands.

The most significant of the Precambrian metamorphosed sedimentary rocks are the Grenville limestones of the Grenville Province described by Douglas (1970). These occur mostly in strips in the central and southern parts of the county (Fig. 3). The Haliburton limestones are mostly coarse grained and impure although pure calcium limestone (calcium carbonate) has occasionally been found, for example, in the Minden–Miner's Bay–Buller area (Lutterworth Township) and in a few locations in Glamorgan Township. Deposits of dolomite and other limestones containing magnesium are common.

Limestones can greatly benefit plant and animal life in the waters that lie over them through their capacity to neutralize acids. It has been concluded by the ongoing research of APIOS (Acidic Precipitation in Ontario Study) of the Ontario Ministry of the Environment that lakes on limestone are better protected against acid precipitation (APIOS, 1981). Of the Haliburton lakes that are shown in the APIOS report to be of lowest sensitivity to acid precipitation, five had been among our favoured collecting sites: Barnum, Duck (Little Elsie), Eels (northeast arm), Paudash, and Marigold lakes. They were found to produce an unusual variety and abundance of aquatic plants.

An association between plant distribution and rock types seemed apparent. It was noted in collecting that a number of species known to have a definite preference for calcareous sites were found in limestone areas either on rock ledges or on thin till over calcareous bedrock. Examples of such plants include the following: cotton-grass (*Eriophorum viridi-carinatum*), narrow-leaved spleenwort (*Athyrium pycnocarpon*), sedges (*Carex aurea*, *C. diandra*, *C. eburnea*, *C. garberi*, and *C. granularis*), and white adder's-mouth (*Malaxis monophylla* var. *brachypoda*).

In preglacial times, rock scarps (cliffs) were created by faulting, that is, the displacement of a rock mass by fracturing during which one side of the split rises above the other. The faults of Haliburton are not of great height compared to those of other regions, but a number have been mapped (Fig. 3) and they clearly affect the courses of streams (Chapman, 1975).

Much of the modern topography of the area was shaped by the Late Wisconsin ice sheet of the Pleistocene epoch, the last glaciation to cover the region, which retreated about 12 000 years ago. The advances and retreats of this immense mass of scouring ice rounded off ridges and deposited erratic boulders and till soils consisting of sand, gravel, silt, and sometimes clay. The drift deposits that it laid down (till plains and sand plains) vary in depth according to the contours of the land beneath and the conditions under which the ice melted. Recognizable today are elliptical-based mounds of till called drumlins (Fig. 3) and some drumlinoid rolling hills. A small intermittent esker (a ridge of sand and gravel) extending about 16 km east and west of Gooderham was reported by Chapman (1975).

KEY

- calcareous areas (Grenville limestone)
- faults
- drumlins
- spillways
- peat

FIG. 3. Postglacial topography of the county of Haliburton (to same scale as Fig. 2).
[Map by Celia Godkin]

During glacial recessions, meltwater sometimes formed broad spillways (Fig. 3) that became filled with sandy outwash through which present river systems flow. Some old spillways contain lakes: for example, the Gull River system of several central and southern townships, and the Irondale-Burnt River system in southern Haliburton. Haliburton, Drag, Gull, Kashagawigamog, Maple, and a number of other lakes also lie in part in old spillways.

For further information on the geology of the area, the reader is referred to the texts used to prepare this account: Chapman (1975), Douglas (1970), and Goudge (1938).

SOILS

The soils of the county of Haliburton were originally laid down during the last glaciation, the essential materials being ground-up granitic rock of the Precambrian Shield. Subsequent soil development has been advanced by a number of physical and biological processes: erosion, weathering, drainage, recent sand deposition by rivers and lakes, leaching, climate, and interaction of rock particles with living and decayed organic matter. Soil scientists classify soil types according to composition and profile. Four predominant types found in Haliburton are podzols on uplands with deeper soil, brunisols on uplands with shallower soil, regosols on bedrock, and gleisols in poorly drained sites.

The soils are acid (pH 6 or less) and are relatively low in available phosphorus; potassium levels can be adequate. Limited nitrification occurs although it is more likely where limestone is present.

Bedrock outcrops are often bare of vegetation or may support only lichens and mosses. Frequently they also contain pockets of sandy soil that support small plant species such as bunchberry (*Cornus canadensis*), early saxifrage (*Saxifraga virginiensis*), and mossy stonecrop (*Sedum acre*). In larger rock depressions where a varying amount of topsoil has accumulated, a greater variety of woodland, shoreline, or roadside species may be found depending on location. In some depressions on rock outcrops, coniferous trees send down deep roots in rock fissures for additional sustenance. They provide a certain amount of shade for twinflower (*Linnaea borealis*) and partridge-berry (*Mitchella repens*), and other plants of the woods that may be found in these sites.

Upland soils are typically less than 50 cm deep with a variable thickness of surface organic layers. They support a considerable list of herbaceous plants, shrubs, and trees. The uplands are usually deficient in moisture in midsummer although in the limited areas of drumlins and rolling hills, where the soil is deeper, more moisture is retained. On the lower slopes and in the valleys, soils are moist and contain more humus. Here, the deciduous forests keep adding to the blanket of dead leaves, thereby deterring evaporation and providing more material for the organic layer. Here also, temporary streams last longer into the growing season and ponds are frequent.

Wetlands are described elsewhere, but it should be mentioned here that their soils are peculiar to areas of impeded drainage and higher groundwater levels. In bogs, muck or peat may form a layer of up to 40 or 50 cm that is underlain by a layer of mixed mineral and humic materials, and below this a sticky unstructured material (gleisol).

The texture of materials lying in the substrata between topsoils and bedrock is coarse and sandy except in clay areas. Sand also appears at the surface in the flat terrain of glacial, fluvial, or lacustrine deposits at a number of sites and supports scanty or patchy vegetation or none at all. On dry sand flats, species of mosses, grasses, and other plants adaptable to open dry habitats are found: for example, field cress (*Lepidium campestre*), common plantain (*Plantago major*), and sheep-sorrel (*Rumex acetosella*). Among the plants found on wet sand flats are creeping spearwort (*Ranunculus reptans*) and species of sedges (*Carex*), spike-rushes (*Eleocharis*), and rushes (*Juncus*).

CLIMATE

The county of Haliburton's popularity as a vacationland, in both winter and summer, is partly a result of its rather congenial climate. Though temperatures have been recorded as high as 40°C in July or as low as -45.5°C in January, the climate tends to be moderate and comfortable, lending itself not only to recreation but also to healthy plant growth.

The county lies in two climactic regions (Brown, McKay, and Chapman, 1974). The southern portion of the county belongs in the Haliburton Slopes region, while the upper third is in the Algonquin Park region. The climactic values are essentially the same, though the values for the Algonquin Park region, which is of slightly higher elevation, tend to be 1°F cooler than those for the Haliburton Slopes. The mean daily maximum temperature for the region is -7°C in January and 26°C in July. The mean date for the last frost of the spring is 25 May, and the mean date of the first frost is 17 September. The county receives a mean annual precipitation of 70 to 100 cm and a mean annual snowfall of 200 cm.

FORESTS

The county of Haliburton is located within the Great Lakes-Saint Lawrence Forest region (Rowe, 1972), which lies between boreal forest to the north and deciduous forest to the south. Forests within the county are composed predominately of mixed coniferous and deciduous tree communities, which vary in composition according to the topography of the land (e.g., ridges, valleys, slopes, or wetlands) and the tolerances of species for particular soil and moisture conditions.

The most common and widely distributed tree in Haliburton is the sugar maple (*Acer saccharum*). It frequently occurs in almost pure stands, but most often it shares mixed woods with a lesser number of other species, which may

include white ash (*Fraxinus americana*), basswood (*Tilia americana*), American beech (*Fagus grandifolia*), yellow birch (*Betula alleghaniensis*), ironwood (*Ostrya virginiana*), balsam-fir (*Abies balsamea*), eastern hemlock (*Tsuga canadensis*), and white pine (*Pinus strobus*).

By late summer, the forest floor in a mature sugar maple forest is usually devoid of undergrowth except where gaps in the canopy let in light that allows shrubs and saplings to grow. In spring, in these dense forests, early flowers bloom before the trees are in full leaf. In species that store their nourishment underground in bulbs or corms—such as Dutchman's breeches (*Dicentra cucullaria*), squirrel-corn (*D. canadensis*), wild leek (*Allium tricoccum*), and spring-beauty (*Claytonia caroliniana*)—the leaves disappear in a few weeks. Several woodland species in semishaded locations noticeably increase their leaf sizes to gather more light as the season progresses.

In exploring the forests, the hiker can occasionally come upon relics of the era of the great white pine forests, which brought fame and fortune to the lumber barons of the district after 1850. These relics, which are mostly old rotting stumps or logs, are often nearly hidden by more recent growth but are of immense girth.

When early settlers found that farming was unprofitable, they turned to the abundant tall white pine, and the men of the district spent the winters in the numerous logging camps north of the present village of Haliburton. The camps were situated wherever access to streams and river banks was possible so that in summer the logs could be floated down in drives through chains of rivers and lakes to mills and markets farther south. "When pine was king both saw-logs and squared-timbers were prepared for market in Quebec or the U.S.A. The finest [white] pine of all became masts for the Queen's ships and Haliburton timbers carried canvas sails to every port on the globe" (Reynolds, 1968). Reynolds also states that "the virgin pine was consumed in less than half a century." This refers to a period over the late nineteenth and early twentieth centuries ending with the last log drive down the Gull River system in 1929. Other trees valuable for lumber, which were also depleted along with white pine, were yellow birch, red pine (*Pinus resinosa*), and hemlock.

Lumbering in Haliburton goes on today, aided by mechanized equipment, trucks, and roads, under a management plan of the Ministry of Natural Resources. The days of the winter lumber camps, heavy manual labour with axe and saw, and the river driver, are now part of the local folklore.

WETLANDS

The importance of wetlands has been well explained by scientists and others. Owing to the topography of the land, with its many depressions and valleys, and to the plentiful supply of rainfall, numerous wetlands occur in the county of Haliburton. Melting snow, rainfall, and groundwater supply these wetlands, which release the water slowly throughout the season, thereby provid-

ing habitats for aquatic and semiaquatic plants as well as breeding and feeding grounds for birds and mammals. The preservation of the wetlands in Haliburton is aided by two contributing factors. The fact that the soil is mostly thin and of poor quality for farming has meant that little draining has been done for this purpose. Also, an adequate beaver population creates new wetland habitats by damming streams and flooding new territory. Beaver activity tends to counter-balance the long-term encroachment of vegetation whereby plant succession gradually converts wet areas into dry land. In some instances, flooding has also been caused by the building of roads across streams or wet seepage areas.

Many areas contain more than one wetland type, and neighbouring communities often merge into one another. Based largely on definitions in Jeglum, Boissonneau, and Haavisto (1974) and Pringle (1980), the more commonly encountered types of wetland in Haliburton are briefly described here, with a few representative species given for each.

Bogs. These areas contain organic soils and layers of sphagnum or other peat in the substratum, with acid-loving plants above. *Sphagnum* spp. form the dominant ground cover. Bogs may be sparsely or thickly treed with black spruce (*Picea mariana*) and tamarack (*Larix laricina*), or open with large or small colonies of such low shrubs as sweet gale (*Myrica gale*) and leatherleaf (*Chamaedaphne calyculata*). Bogs very frequently occur around the edges of small lakes and ponds where they extend into the lake in large spongy mats and small floating islands. Typical species found in bogs are bog-laurel (*Kalmia polifolia*), bog-rosemary (*Andromeda glaucophylla*), three-leaved Solomon's-seal (*Smilacina trifolia*), cranberries (*Vaccinium macrocarpon* and *V. oxycoccus*), buckbean (*Menyanthes trifoliata*), grass-pink (*Calopogon tuberosus*), rose-pogonia (*Pogonia ophioglossoides*), pitcher-plant (*Sarracenia purpurea*), cotton-grasses (*Eriophorum spissum* and *E. virginicum*), sedges (*Carex* spp.), beak rush (*Rhynchospora alba*), and sundews (*Drosera intermedia* and *D. rotundifolia*).

Swamps. These treed wetlands are based on mineral soils, although some organic soils may also be present.

Coniferous-tree swamps are the most prevalent with stands of black spruce (*Picea mariana*) or a mixture of balsam-fir (*Abies balsamea*) and eastern white cedar (*Thuja occidentalis*). The ground is quite uneven because of mounds surrounding the tree bases and because of hummocks produced by various moss species and liverworts, between which lie shallow pools of standing or slowly moving water.

Deciduous-tree swamps are less frequent and are dominated by black ash (*Fraxinus nigra*) and red maple (*Acer rubrum*). Their floors are covered with a sodden layer of fallen leaves.

Coniferous-tree swamps are highly productive sites for herbaceous plants such as naked mitrewort (*Mitella nuda*), bitter cress (*Cardamine*

pensylvanica), smaller enchanter's nightshade (*Circaea alpina*), dwarf raspberry (*Rubus pubescens*), jewelweed (*Impatiens capensis*), early coral-root (*Corallorhiza trifida*), tall northern green orchid (*Platanthera hyperborea*), blunt-leaf orchid (*P. obtusata*), kidney-leaved violet (*Viola renifolia*), shinleaf (*Pyrola elliptica*), and many species of mosses.

The most frequent ferns of swamplands are sensitive fern (*Onoclea sensibilis*), cinnamon fern (*Osmunda cinnamomea*), and royal fern (*Osmunda regalis*); these species are often associated with swampy mixed forest. Along the edges of some swamps, wood nettle (*Laportea canadensis*) and swamp red currant (*Ribes triste*) are found.

Dead-tree swamps. These wooded areas have been flooded by beaver dams or other obstructions to flowing water. If the water is deep (40 cm or more), floating and other aquatic plants may be present. Duckweed (*Lemna minor*) sometimes covers much of the surface. When the water is shallow, the ground is seen as a series of grassy hummocks pocked with water holes, which may support aquatic or wetland species.

Wet thickets. Numerous along the edges of bogs and swamps, these thickets may be dominated either by speckled alder (*Alnus rugosa*) or willows (*Salix* spp.) or by mountain holly (*Nemopanthus mucronata*), wild-raisin (*Viburnum cassinoides*), winterberry (*Ilex verticillata*), or chokeberry (*Aronia melanocarpa*).

Marshes. Like swamps, marshes receive nutrients from mineral soils as well as from some organic soils, but trees are absent.

Cat-tail marshes, which occur around ponds and fill in the bays of lakes, are the most extensive and fastest growing. Water seeps through their dense growth, lies in pools, or flows through in winding streams. In these marshes, cat-tails (*Typha latifolia* and occasionally *T. angustifolia*) dominate. Horsetail (*Equisetum fluviatile*), water-arum (*Calla palustris*), wild iris (*Iris versicolor*), several sedges (*Carex* spp.), and a spike-rush (*Eleocharis palustris*) frequently share the sites.

Reed marshes are less dense than cat-tail marshes and are usually dominated by species of bulrush (*Scirpus*), most often by soft-stem bulrush (*S. validus*). Sometimes the horsetail (*Equisetum fluviatile*) will be equally abundant.

Associated with both types of marshes are the wild iris (*Iris versicolor*), sedges (such as *Carex oligosperma*), pickerel-weed (*Pontederia cordata*), bur-reed (*Sparganium chlorocarpum*), and in open-water areas, white water-lily (*Nymphaea odorata*), yellow water-lily (*Nuphar pumila*), water-shield (*Brasenia schreberi*), pondweeds (*Potamogeton* spp.), water-milfoils (*Myriophyllum* spp.), grasses (*Glyceria borealis* and *G. canadensis*), and rushes (*Juncus articulatus* and *J. canadensis*).

OPEN-WATER HABITATS

With its more than 600 lakes and numerous streams, Haliburton has a bountiful supply of habitats for plants of open water. In larger lakes they are usually found along shores or in quiet bays, but in small lakes and ponds they may extend to much of the open-water area. In rivers plants are numerous in the backwaters, while some species such as tapegrass (*Vallisneria americana*) may inhabit swift currents. Starwort (*Callitriche verna*) and waterweed (*Elodea canadensis*) occur in slower streams. The pondweeds (*Potamogeton* spp.), of which 21 species appear on the list, are represented in all these habitats. In quiet waters, 8 species of bladderworts (*Utricularia* spp.) and 6 species of water-milfoils (*Myriophyllum* spp.) occur. A few bladderworts and coon-tails (*Ceratophyllum* spp.) can be seen floating freely in masses unattached to the bottom during part of their life cycles.

OTHER HABITATS

In addition to wetland and open-water areas, other damp to wet habitats harbour moisture-loving plants: shores, ditches, depressions, and wet meadows also contribute to the list of flora of the county of Haliburton.

As Haliburton land is largely wooded with many outcroppings of exposed rock, the amount of open ground with soil cover is limited. Old fields, clearings, and other untreed locations where soil is adequate for plant growth, are not common. Disturbed sites along roadsides, however, provide opportunities for a number of species that prefer open habitats. Viper's bugloss (*Echium vulgare*), chicory (*Cichorium intybus*), fireweed (*Epilobium angustifolium*), goldenrods (*Solidago* spp.), hawkweeds (*Hieracium* spp.), plantains (*Plantago* spp.), and thistles (*Cirsium arvense* and *C. vulgare*) are among the plants of open habitats often found on the roadsides of Haliburton. Many primary and secondary roads run through wetlands where typical swamp, bog, or marsh species often grow along their edges. Bush roads provide partial shade and moist soil for a further group of plants.

METHODS

COLLECTING AND COLLECTIONS

The annotated list that follows is based primarily on the 2100+ specimens that were collected and identified by the authors during the period 1976–1984. We have also examined specimens collected by others and deposited in the herbaria cited in the list. While most collections were made since 1970, a few are of earlier date, notably those of Hubert H. Brown in the 1930's and of William Scott in 1891.

The habitats described for each taxon on the list refer specifically to the locations in which they were found in the county of Haliburton and do not include habitat data for the same taxa from other sources.

No plants under cultivation are recorded. Many species, however, are of European or Asiatic origin. These are now naturalized in North America and are indicated by a (+) at the end of the habitat description. A few plants considered to be escapes from cultivation are noted as such.

TERRITORY COVERED

Of the 23 townships of the county, 22 are represented on the list, since the remaining township (Eyre) was inaccessible to us for collecting purposes. A new township, Bicraft, within the boundaries of Cardiff Township was in the process of being established, but for our purposes the area has been included in Cardiff.

While field trips were planned to provide as wide a geographical coverage as possible, emphasis was placed on seeking out the greatest variety of habitats. Consequently, some townships received more attention than others, and are represented by more taxa, while some common species were undercollected.

IDENTIFICATION AND NOMENCLATURE

For identification, *The New Britton and Brown Illustrated Flora* (Gleason, 1952), *Gray's Manual of Botany*, 8th edition (Fernald, 1950), and *Manual of Vascular Plants* (Gleason and Cronquist, 1963) were used. Where alternative family names suggested by Article 18 of the International Code of Botanical Nomenclature (Stafleu et al., 1972) are used, those they replace follow in parentheses. Two families of recent authors, Potamogetonaceae and Pyrolaceae, are included. Family names appear in the Britton and Brown sequence, but for ease of reference, genera are listed in alphabetical order within each

family. In addition to these basic texts, some more recent authors were also studied: Britton (1984, 1985) for ferns and fern allies, Voss (1972) for monocots, Voss (1985) for some dicots, Luer (1975) and Whiting and Catling (1986) for orchids, Dore and McNeill (1980) for grasses, Soper and Heimbürger (1982) for shrubs, and Sell and West (1976) for *Hieracium*. Additional publications that were consulted are listed at the end of this volume. In some taxa, the nomenclature has been updated based on these references. Common names were selected from texts and field guides, with an attempt to use those that are best known and yet suitable. Authorities for many taxa in the list were checked in Morton and Venn (1989), and amended to accord with their usage.

VOUCHER SPECIMENS

The authors' voucher specimens have been deposited in the University of Toronto Vascular Plant Herbarium (TRT), now located in the Botany Department of the Royal Ontario Museum, Toronto. In the annotated list, the location of a voucher specimen for each township is given to assist those wishing to examine specimens or produce distribution maps. With rare species, however, a second specimen is also listed when obtained from an additional location in the same township.

On the voucher specimens collected by the authors, the geographic coordinates represent the locations of collecting stations; specimens were collected up to approximately one kilometre from these stations.

ABUNDANCE RATINGS

Abundance ratings are based on voucher specimens, sight records, and field-trip notes. The following is a list of the terms used:

Common: Numerous and widely distributed in the county.

Fairly common: Found in seven or more locations.

Uncommon: Found in three to six locations.

Rare: Found in one or two locations.

Plants that are listed as rare in Ontario are the native species recorded by Argus et al. (1982–1987).

ACRONYMS, ABBREVIATIONS, AND SYMBOLS

HERBARIUM ACRONYMS (HOLMGREN AND KEUKEN, 1974)

APM	Algonquin Park Museum, Algonquin Park.
CAN	Vascular Plant Section, National Herbarium of Canada, National Museum of Canada, Ottawa.
DAO	Vascular Plant Herbarium, Department of Agriculture, Ottawa.
DFB	Private herbarium of D. F. Brunton, Ottawa.
MICH	Herbarium of the University of Michigan, Ann Arbor.
OAC	Department of Botany, University of Guelph.
PENN	University of Pennsylvania, Philadelphia.
REW	Private herbarium of R. Emerson Whiting, Toronto.
TRT	Vascular Plant Herbarium, Department of Botany, Royal Ontario Museum, Toronto.
TRTE	Erindale College, University of Toronto.
UWO	Herbarium, Department of Plant Sciences, University of Western Ontario, London.
WAT	Herbarium, University of Waterloo.

TOWNSHIP ABBREVIATIONS

Ans	Anson	Hav	Havelock	Mnd	Minden
Brt	Bruton	Hbn	Harburn	Mon	Monmouth
Cly	Clyde	Hct	Harcourt	Ngt	Nightingale
Crđ	Cardiff	Hin	Hindon	Shb	Sherborne
Dud	Dudley	Liv	Livingston	Sno	Snowdon
Dys	Dysart	Lut	Lutterworth	Stn	Stanhope
Gfd	Guilford	Lwr	Lawrence		
Glm	Glamorgan	McC	McClintock		

OTHER ABBREVIATIONS AND SYMBOLS

auct. non [auctorum non] (preceding name of author): Not described by.

f. (preceding a scientific name): Forma.

f. (following a name of author): Son.

S.R.: Sight record.

subsp.: Subspecies.

var. (preceding a scientific name): Variety.

(+): Introduced to this continent from Europe or Asia.

MAPS USED IN ESTABLISHING LOCATIONS

1. The Provisional County of Haliburton and the District Municipality of Muskoka. Ontario Ministry of Transportation and Communications, Map MTC 30201, revised 1979.
2. Maps of the National Topographic System of Canada, 1:50 000 scale.
 - Map 31E/1 1975 Wilberforce
 - Map 31E/2 1974 Haliburton
 - Map 31E/7 1974 Kawagama
 - Map 31E/8 1975 Whitney
 - Map 31D/15 1972 Minden
 - Map 31D/16 1971, 1980 GooderhamCanada Map Office, Surveys and Mapping Branch, Department of Energy, Mines, and Resources, Ottawa, Canada K1A 0E9.
3. Physiography of the Georgian Bay-Ottawa Valley Area. Ontario Ministry of Natural Resources and Ontario Research Foundation, Map 2228, Physiography, 1975.
4. Haliburton-Bancroft Area. Province of Ontario, Department of Mines, Map 1957b, 1957.

ANNOTATED LIST OF THE VASCULAR PLANTS OF THE COUNTY OF HALIBURTON

FERN ALLIES

LYCOPODIACEAE

Lycopodium annotinum L.

Common. Dry coniferous and damp mixed woods.
TRT—Crd, Hct, Liv, Mnd, Shb; S.R.—Dys.

CLUBMOSS FAMILY

Bristly clubmoss

Lycopodium clavatum L.

Staghorn clubmoss

Common. Wet to dry woods, grassy banks, and moss-covered fields.
DFB—Lwr; TRT—Crd, Cly, Dys, Hct, Hin, McC, Mnd, Mon; S.R.—Glm.

Lycopodium dendroideum Michaux

Tree clubmoss

L. obscurum L. var. *dendroideum* (Michaux) D. C. Eaton
Common. Coniferous, deciduous, or mixed woods; on damp humus.
TRT—Brt, Crd, Dud, Hbn, Hct, Mnd, Shb, Stn.

Lycopodium digitatum A. Braun

Ground-cedar, Running pine clubmoss

L. complanatum L. var. *flabelliforme* Fern.
Common. Damp mixed or deciduous woods, and occasionally open mossy turf.
TRT—Crd, Hct, Mnd, Mon, Shb, Stn.

Lycopodium inundatum L.

Bog clubmoss

Uncommon. Damp to wet sand-and-gravel flats.
APM—Lwr; TRT—Hbn; S.R.—Dys, Shb.

Lycopodium lucidulum Michaux

Shining clubmoss

Common. Mixed or deciduous woods, on damp leafy humus.
APM—Ngt; TRT—Crd, Gfd, Hbn, Hct, McC, Mnd, Shb, Stn.

Lycopodium obscurum L.

Ground-pine

var. *isophyllum* Hickey

Common. Mixed woods, on humus over sandy soil.
TRT—Brt, Crd, Gfd, Hbn, Mnd, Shb, Stn.

Lycopodium sabinaefolium Willd. Savin-leaved clubmoss
Rare. One location. Old field edged with conifers.
TRT—Hin.

Lycopodium tristachyum Pursh Ground-cedar
Uncommon. Open sandy areas and in low vegetation.
APM—Ngt; TRT—Crd, Gfd, Hct, Shb.

SELAGINELLACEAE SPIKEMOSS FAMILY
Selaginella rupestris (L.) Spring Rock spikemoss
Rare. One location. Rocky hillside.
TRT—Mnd.

ISOETACEAE QUILLWORT FAMILY
Isoetes echinospora Durieu Quillwort
Common. Quiet rivers and lakes at 5 to 100 cm depth on sandy, gravelly, or
occasionally mucky bottoms.
TRT—Gfd, Hbn, Shb, Stn.

Isoetes macrospora Durieu Quillwort
Uncommon. Lake bottoms at 1 to 6.5 m depth.
OAC—Gfd, Hin, McC, Shb.

f. hieroglyphica (A. A. Eaton) N. E. Pfeiff
Rare. One location. Sandy-silty shallow bay.
CAN—Shb.

EQUISETACEAE HORSETAIL FAMILY
Equisetum arvense L. Common horsetail
Common. Open sandy sites, roadsides, and damp ditches.
TRT—Hct, Mnd, Stn; S.R.—Lut.

Equisetum fluviatile L. Water horsetail
Common. Shallow water to 1 m depth on edges of streams, rivers, and bays;
often in large dense colonies.
TRT—Crd, Gfd, Hct, Lut, Sno, Stn.

Equisetum hyemale L. Rough scouring-rush
var. *affine* (Engelm.) A. A. Eaton
Fairly common. Dry banks and roadsides.
TRT—Crd, Dys, Hct; S.R.—Mnd.

Equisetum scirpoides Michaux Dwarf scouring-rush
Rare. Two locations. Damp woods, in small colonies.
TRT—Crd, Sno.

***Equisetum sylvaticum* L.** Woodland horsetail
Common. Low, damp or wet areas at edges of woods, on sandy or gravelly soil.
TRT—Crd, Dys, Hbn, Hct, Stn; S.R.—Mnd.

***Equisetum variegatum* Schleicher** Variegated horsetail
Uncommon. Open, wet areas and damp ditches, on sandy or silty soils; colonies often dense.
TRT—Crd, Shb; S.R.—Lut.

FERNS

OPHIOGLOSSACEAE ADDER'S-TONGUE FAMILY
***Botrychium dissectum* Sprengel** Cut-leaved grape fern
var. *obliquum* (Muhlenb.) Clute
Rare. Two locations. Open, dry grassy sites.
TRT—Dys, Shb.

***Botrychium matricariifolium* A. Braun ex Koch** Matricary grape fern
Common. Deciduous or mixed woods and treed fields.
TRT—Dys, Mnd, Mon, Shb.

***Botrychium multifidum* (S. Gmelin) Rupr.** Leathery grape fern
Common. Woodlands and edges of woods, on sandy soils.
TRT—Dys, Crd, Glm, Hbn, Hct, Mnd, Mon, Shb.

var. *intermedium* (D. C. Eaton) Farw.
Common. Woodlands and meadows, on sandy or gravelly soils.
TRT—Crd, Glm, Hct, Mnd, Shb.

***Botrychium simplex* E. Hitchc.** Dwarf grape fern
var. *tenebrosum* (A. A. Eaton) Clausen
Rare. Two locations. Damp edges of streams.
CAN—Crd; TRT—Shb.

***Botrychium virginianum* (L.) Sw.** Rattlesnake fern
Common. Deciduous woods, on humus.
TRT—Crd, Hbn, Hct, Lut, Mon, Stn; S.R.—Dys.

OSMUNDACEAE ROYAL FERN FAMILY
***Osmunda cinnamomea* L.** Cinnamon fern
Common. Wet woods, shores of ponds and streams, and damp ditches.
TRT—Dud, Gfd, Hct, Liv, Mnd, Shb; S.R.—Crd.

***Osmunda claytoniana* L.**

Interrupted fern

Common. Damp or wet woodland sites, and edges of lakes, streams, and swamps.

TRT—Crd, Gfd, Hbn, Hct, Hin, Mnd, Shb; S.R.—Cly.

***Osmunda regalis* L.**

Royal fern

Common. Margins of lakes and streams, just above or in the water; often in large dense colonies.

TRT—Crd, Dud, Gfd, Hct, Liv, Stn.

POLYPODIACEAE

POLYPODY FAMILY

This large family has been divided into several smaller ones by recent authors, but since changes may still be underway, Polypodiaceae is presented intact here. For information on new names the reader is referred to Britton (1985).

***Adiantum pedatum* L.**

Maidenhair fern

Common. Deciduous or mixed woods, in leaf-covered humus.

TRT—Crd, Gfd, Hct, Hin, Lut, McC, Mnd, Mon.

***Asplenium trichomanes* L.**

Maidenhair spleenwort

Rare. One location. Base of calcareous rock cliff.

TRT—Crd.

***Athyrium filix-femina* (L.) Roth**

Upland lady fern

var. *michauxii* Mett.

Common. Damp ditches and moist open sites; in large or small dense colonies.

TRT—Cly, Crd, Dud, Gfd, Hct, Mnd, Shb, Stn.

***Athyrium pycnocarpon* (Sprengel) Tidestrom**

Narrow-leaved spleenwort

Rare. One location. Sugar maple forest.

TRT—Crd.

***Athyrium thelypteroides* (Michaux) Desv.**

Silvery spleenwort

Fairly common. Damp or wet woods, in humus.

APM—Brt; TRT—Crd, Dud, Gfd, Hbn, Mon.

***Cystopteris bulbifera* (L.) Bernh.**

Bulblet bladder fern

Common. Damp areas, usually in woods; in clay or humus.

TRT—Crd, Dud, Hct, Mnd, Stn.

- Cystopteris tenuis* (Michaux) Desv.** Northern fragile fern
Common. Open rocky hillsides, rock crevices, and occasionally in dense woods.
TRT—Crd, Dys, Hav or Shb, Hbn, Hct, Mnd, Stn.
- Dennstaedtia punctilobula* (Michaux) Moore** Hay-scented fern
Common. Dry banks, roadsides, and damp shores; often in large colonies.
CAN—Shb; DAO—Hct, Shb; TRT—Cly, Crd, Hbn, Hct, Hin, McC, Shb, Sno.
- Dryopteris carthusiana* (Villars) H. P. Fuchs** Spinulose wood fern
D. spinulosa (O. F. Muell.) Watt
D. austriaca (Jacq.) Woyнар var. *spinulosa* (O. F. Muell.) Fiori
Common. Damp mixed or deciduous woods and swamps.
APM—Ngt; TRT—Dud, Gfd, Hbn, Hct, Mnd; S.R.—Crd, Lut.
- Dryopteris cristata* (L.) A. Gray** Crested shield fern
Common. Damp ditches and meadows.
TRT—Crd, Dys, Hct, Shb, Stn; S.R.—Cly, Mon.
- Dryopteris fragrans* (L.) Schott** Fragrant wood fern
Rare. Two locations. Rocky cliffs.
APM—Cly, Ngt.
- Dryopteris goldiana* (Hook.) A. Gray** Goldie's fern
Rare. One location. Moist woods.
TRT—Mnd.
- Dryopteris intermedia* (Muhlenb.) A. Gray** Evergreen wood fern
D. spinulosa (O. F. Muell.) Watt var. *intermedia* (Muhlenb.) Underw.
D. austriaca (Jacq.) Woyнар var. *intermedia* (Muhlenb.) Morton
Common. Moist areas of coniferous and dense deciduous woods.
DAO—Hct, Shb, Stn; DFB—Lut; TRT—Crd, Dys, Hct, Shb, Stn.
- Dryopteris marginalis* (L.) A. Gray** Marginal shield fern
Common. Mixed or deciduous woods and wooded banks.
TRT—Crd, Gfd, Hbn, Hct, Shb, Stn.
- f. *elegans* (J. Robins.) F. W. Gray**
Rare. One location. Damp valley in sugar maple forest.
TRT—Crd.
- Dryopteris* × *boottii* (Tuckerm.) Underw.** Hybrid fern
= *D. cristata* × *D. intermedia*
Rare. One location.
TRT—Stn.

- Dryopteris* × *triploidea* Wherry** Hybrid fern
 = *D. carthusiana* × *D. intermedia*
D. spinulosa (O. F. Muell.) Watt var. *fructuosa* (Gilbert) Trudell
D. austriaca (Jacq.) Woynar var. *fructuosa* (Gilbert) Morton
 Uncommon. Moist or wet, mixed or deciduous woods.
 TRT—Hbn, Hct, Shb.
- Gymnocarpium dryopteris* (L.) Newm.** Oak fern
Dryopteris disjuncta (Ledeb.) Morton
 Common. Deciduous or mixed woods and soil pockets on rocks.
 APM—Ngt; TRT—Crd, Gfd, Hct, Mnd, Shb; S.R.—Crd.
- Matteuccia struthiopteris* (L.) Tødaro** Ostrich fern
 Common. Damp roadsides, swampy sites, and wet ditches.
 TRT—Hct, Mnd, Stn; S.R.—Br, Crd, Lut.
- Onoclea sensibilis* L.** Sensitive fern
 Common. Damp to wet areas: ditches, swamps, and shores.
 APM—Ngt; TRT—Crd, Gfd, Hct, Hin, Mnd, Shb, Stn; S.R.—Cly, Glm,
 Lut, Sno.
- Phegopteris connectilis* (Michaux) Watt** Northern beech fern
Thelypteris phegopteris (L.) Slosson
Dryopteris phegopteris (L.) Christens.
 Common. Damp woods and edges of lakes and streams; often in dense
 colonies on banks.
 APM—Ngt; CAN—Hct, Shb; TRT—Crd, Dud, Gfd, Mnd, Shb.
- Polypodium virginianum* L.** Common polypody
P. vulgare L. var. *virginianum* (L.) A. A. Eaton
 Common. Rocky banks, and rocky outcrops in woods.
 DFB—Lwr; TRT—Crd, Dys, Gfd, Hbn, Hct, Mnd, Ngt, Shb.
- Polystichum acrostichoides* (Michaux) Schott** Christmas fern
 Common. Deciduous or mixed woods, usually in damp humus.
 APM—Br, Lwr, Ngt; TRT—Crd, Hct, Hin, Mnd, Mon, Stn.
- Pteridium aquilinum* (L.) Kuhn** Bracken fern
 Common. Open barren sites, dry ditches, and partly treed fields;
 frequently in large dense colonies.
 TRT—Crd, Hct, Mnd; S.R.—Ans, Dys, Glm, Hin, Shb.
- Thelypteris noveboracensis* (L.) Nieuwl.** New York fern
 Common. Low, damp woods and clearings, on rich humus soil.
 TRT—Cly, Crd, Gfd, Hct, Hin, McC, Mnd, Shb, Stn.

Thelypteris palustris (Salisb.) Schott Marsh fern
 Uncommon. Edges of creeks and streams among grasses and sedges.
 TRT—Crd, Hin, Mnd; S.R.—Lut.

Woodsia ilvensis (L.) R. Br. Rusty woodsia
 Fairly common. Rock ledges of cliffs and shores.
 DAO—Crd, McC; TRT—Crd, Hin, Mnd, Stn.

Woodwardia virginica (L.) Smith Virginia chain fern
 Rare. Two locations. One very large colony bordering a small lake, and a smaller one bordering a sphagnum mat island; both growing densely with lower stems in water.
 TRT—Crd, Stn.

CONIFERS

TAXACEAE YEW FAMILY
Taxus canadensis Marshall American yew
 Fairly common. Low clearings in mixed woods, and wooded slopes.
 APM—Brt, Lwr; TRT—Mnd, Stn.

PINACEAE PINE FAMILY
Abies balsamea (L.) Miller Balsam-fir
 Common. Mixed woods and lakeshores; scattered or in pure stands.
 TRT—Mnd, Shb; S.R.—Crd, Hct, Sno.

Larix laricina (Du Roi) K. Koch Tamarack
 Common. Low, damp areas: open or treed bogs and damp shore banks.
 TRT—Dud, Hct, Mnd, Stn; S.R.—Ans, Glm, Sno.

Picea glauca (Moench) Voss White spruce
 Common. Mixed woods and pure stands; in high, dry sandy areas and low, damp areas.
 TRT—Dud, Mnd, Shb; S.R.—Crd, Dys, Gfd, Glm, Hin, Mon, Sno, Stn.

Picea mariana (Miller) Britton, Sterns, and Pogg. Black spruce
 Common. Low, damp to wet areas; scattered through coniferous woods or in large stands.
 TRT—Dud, Hct, Mnd; S.R.—Dys.

Picea rubens Sarg. Red spruce
 Uncommon. Dry rocky soil and low, damp areas.
 APM—Brt, Cly; DAO—Cly; DFB—Lwr.

***Pinus resinosa* Sol. ex Aiton**

Red pine

Common. Dry woods, and rocky ridges and shores.

TRT—Mnd, Shb.

***Pinus strobus* L.**

White pine

Common. Rocky shores and slopes, sand flats, and moist mixed woods.

TRT—Crd, Hct, Mnd, Shb, Stn; S.R.—Ans, Dys, Glm, Hin, Mnd,

Mon, Sno.

***Pinus sylvestris* L.**

Scotch pine

Uncommon. Reforested sites and adjacent areas; introduced and spreading. (+)

TRT—Mnd, Stn.

***Tsuga canadensis* (L.) Carrière**

Eastern hemlock

Common. Coniferous or mixed woods and lakeshores; often in large stands.

TRT—Hct, Shb, Sno; S.R.—Ans, Dys, Gfd, Glm, Hin, Mnd.

CUPRESSACEAE

CYPRESS FAMILY

***Juniperus communis* L.**

Common juniper

var. *depressa* Pursh

Fairly common. Rocky shores and open fields.

APM—Ngt; TRT—Hin; S.R.—Mnd.

***Thuja occidentalis* L.**

Eastern white cedar

Common. Shores of lakes, rocky outcrops, and damp woods.

TRT—Hct, Mnd, Shb; S.R.—Ans, Crd, Gfd.

FLOWERING PLANTS

MONOCOTYLEDONS

TYPHACEAE

CAT-TAIL FAMILY

***Typha angustifolia* L.**

Narrow-leaved cat-tail

Fairly common. Wet ditches and marshes; often growing with *Typha latifolia*.

TRT—Crd, Dys, Hct, Lut, Mnd.

***Typha latifolia* L.**

Common cat-tail

Common. Marshes, wet ditches, and edges of ponds and bays; often in very large colonies.

TRT—Crd, Dys, Hct, Mnd, Stn; S.R.—Ans, Cly, Lut.

SPARGANIACEAE

BUR-REED FAMILY

Sparganium americanum Nutt.

Bur-reed

Common. Near shores in water 10 to 30 cm deep, and in wet ditches and beaver meadows; in dense colonies.

TRT—Dys, Hct, Lut, Mnd, Shb, Stn; S.R.—Mon.

Sparganium angustifolium Michaux

Bur-reed

Uncommon. Edges of lakes and streams; shallow water on sandy bottoms.

TRT—Shb, Sno; S.R.—Lut.

Sparganium chlorocarpum Rydb.

Bur-reed

Common. Wet flats and meadows, and shallow water on edges of streams and marshes.

APM—Ngt; TRT—Crd, Dud, Gfd, Hct, Mnd; S.R.—Hin, Shb.

f. acaule (Beeby) E. Voss

Fairly common. Found among *Sparganium chlorocarpum* or in separate colonies.

TRT—Dud, Shb; S.R.—Mnd.

Sparganium fluctuans (Morong) Robinson

Floating bur-reed

Common. Offshore in lakes and streams in water up to 1 m deep.

TRT—Crd, Dys, Gfd, Hct, Hin, Liv, McC.

Sparganium minimum (Hartman) Fries

Bur-reed

Rare. One location. Edge of bay adjoining marsh, in quiet shallow water.

TRT—Mnd.

POTAMOGETONACEAE

PONDWEED FAMILY

(NAJADACEAE in part; ZOSTERACEAE)

Potamogeton alpinus Balbis

Alpine pondweed

Uncommon. Shallow bays in water 30 to 90 cm deep; locally numerous.

TRT—Crd, Dys, Mnd.

Potamogeton amplifolius Tuckerman

Large-leaf pondweed

Common. Open water 60 to 90 cm deep, and shores of lakes, ponds, and rivers.

TRT—Crd, Dys, Hct, Mnd, Stn.

Potamogeton bicipulatus Fern.

Narrow-leaved pondweed

Rare. Two locations. Single specimens floating alone or with *Potamogeton spirillus* near shores of small lakes. Rare in Ontario (Argus et al., 1982–1987).

TRT—Hin, Shb.

- Potamogeton confervoides* Reichenb. Narrow-leaved pondweed
 Rare. One location. Near shore of lake in water 4 cm deep; in small colony.
 Rare in Ontario (Argus et al., 1982–1987).
 TRT—Hin.
- Potamogeton epihydrus* Raf. Leafy pondweed
 Common. Lakes, ponds, and streams; in water up to 1 m deep.
 TRT—Crd, Dys, Glm, Hct, Hin, McC, Shb; S.R.—Mon.
- Potamogeton foliosus* Raf. Narrow-leaved pondweed
 Rare. Two locations. On soft bottom of shallow lake at 0.5 m depth, and in shallow creek.
 TRT—Crd, Dys.
- Potamogeton friesii* Rupr. Narrow-leaved pondweed
 Rare. One location. Quiet shallow water 60 to 80 cm deep; in small dense colony.
 TRT—Crd.
- Potamogeton gramineus* L. Variable pondweed
 Common. Quiet or flowing water up to 60 cm deep, on sand or soft muck bottoms.
 TRT—Crd, Dys, Gfd, Hct, Mnd, Sno.
- Potamogeton illinoensis* Morong Pondweed
 Rare. Two locations. Swift-flowing rivers.
 TRT—Gfd, Sno.
- Potamogeton natans* L. Floating pondweed
 Common. Small lakes, ponds, and open water in marshes.
 TRT—Dys, McC, Mnd; S.R.—Crd, Hin, Shb.
- Potamogeton oakesianus* Robb. Floating pondweed
 Uncommon. Quiet waters near shores of ponds and shallow bays.
 DFB—McC; TRT—Lut, Shb.
- Potamogeton obtusifolius* Mert. and Koch Narrow-leaved pondweed
 Rare. One location. Small lake with silty sand bottom.
 TRT—Dud.
- Potamogeton pectinatus* L. Sago pondweed
 Uncommon. Shallow water near shores in small lakes.
 TRT—Lut, 2 Mnd.

- Potamogeton perfoliatus* L.** Pondweed
Rare. Two locations. Slow-moving stream, and in lake in water 1 m deep.
TRT—Mnd, Stn.
- Potamogeton praelongus* Wulfen** Pondweed
Rare. One location. Deep water of river.
UWO—Lut.
- Potamogeton pusillus* L.** Narrow-leaved pondweed
Common. Shallow waters of small lakes and bays, and quiet backwaters of streams; floating in dense masses.
TRT—Crd, Dys, Mnd; S.R.—Hin, Lut, Mon.
- Potamogeton pusillus* L.** Narrow-leaved pondweed
var. *tenuissimus* (Mert. and Koch) Fern.
P. berchtoldii Fieber
Uncommon. In small slow stream, and offshore in small lakes.
TRT—2 Dys, McC.
- Potamogeton richardsonii* (A. Bennett) Rydb.** Pondweed
Fairly common. Shallow, quiet waters and edges of flowing streams; in small to large colonies.
TRT—Gfd, Mnd, Sno.
- Potamogeton robbinsii* Oakes** Pondweed
Common. Streams through marshes, and offshore in lakes in water up to 1 m deep; colonies usually dense.
TRT—Crd, Dys, Lut, Mnd.
- Potamogeton spirillus* Tuckerman** Snailseed pondweed
Fairly common. Quiet water at edges of streams and bays.
TRT—Crd, Dys, Hin, Mnd.
- Potamogeton zosteriformis* Fern.** Flat-stemmed pondweed
Common. Quiet waters up to 1.5 m deep: in lakes, slow streams, and open water of swamps.
TRT—Crd, Dud, Dys, Lut, Mnd.
- NAJADACEAE PONDWEED FAMILY
***Najas flexilis* (Willd.) Rostkov and W. Schmidt** Naiad
Common. Shallow water of small lakes and creeks; usually in large dense colonies.
TRT—Crd, Mnd, Shb; S.R.—Lut.

JUNCAGINACEAE

Scheuchzeria palustris L.var. *americana* Fern.

Rare. One location. Off boggy shore in small lake.

TRT—McC.

ARROW-GRASS FAMILY

Arrow-grass

ALISMATACEAE

Alisma plantago-aquatica L.

WATER-PLANTAIN FAMILY

Water-plantain

Fairly common. Edges of streams and ponds, and wet ditches.

TRT—Crd, Hbn, Sno, Stn.

Sagittaria cuneata E. Sheldon

Northern arrowhead

Fairly common. Quiet shallow or flowing water; leaves emersed or floating.

TRT—Crd, Dud, Hbn, Hct.

Sagittaria graminea Michaux

Arrowhead

Rare in flower or fruit. Rosettes of leaves, probably of this species, seen frequently in shallow water on sandy bottoms.

TRT—Stn.

Sagittaria latifolia Willd.

Arrowhead

Common. Offshore in, or on edges of, lakes, ponds, and streams; usually in colonies of either broad-leaved or narrow-leaved plants, though both leaf widths can occur on the same plant.

TRT—Crd, Dys, Hav, Hct, Mnd, Shb, Stn; S.R.—Hin, Lut, Mon.

HYDROCHARITACEAE

Elodea canadensis Rich. ex Michaux

FROG'S-BIT FAMILY

Waterweed

Anacharis canadensis (Rich.) Planchon

Common. Flowing streams and quiet water up to 1 m deep; in large dense colonies.

TRT—Crd, Mnd; S.R.—Lut.

Vallisneria americana Michaux

Tapegrass

Common. Quiet or flowing water of lakes and rivers.

TRT—Dys, Mnd, Stn.

POACEAE

(GRAMINEAE)

GRASS FAMILY

Agropyron repens (L.) P. Beauv.

Quack grass

Common. Sandy roadsides and waste places. (+)

TRT—Hbn, Mnd, Stn.

- Agropyron trachycaulum* (Link) Malte Wheat grass
 var. *glaucum* (Pease and Moore) Malte
 Rare. One location. Soil pockets on rocky cliff.
 TRT—Stn.
- var. *novae-angliae* (Scribner) Fern.
 Rare. Two locations. Sand-and-gravel roadsides.
 TRT—Hct, Stn.
- Agrostis gigantea* Roth Redtop grass
 Common. Sand flats, waste ground, and roadsides. (+)
 TRT—Hct, Mnd, Stn; S.R.—Sno.
- Agrostis perennans* (Walter) Tuckerman Autumn bent grass
 Uncommon. Dry rocky, to wet sandy sites.
 TRT—Hct, Mnd; S.R.—Shb.
- Agrostis scabra* Willd. Tickle grass
A. hyemalis (Walter) Britton, Sterns, and Pogg.
 Fairly common. Moss-covered rocks, wet logs in shallow water,
 and roadsides.
 TRT—Cly, Dys, Stn; S.R.—Lut.
- Agrostis stolonifera* L. Creeping bent grass
 Uncommon. Dry sandy, or wet grassy edges of roads.
 TRT—Dys, Sno.
- Alopecurus aequalis* Sobol. Short awn foxtail
 Uncommon. A variety of open, damp or wet locations.
 DAO—2 Crd; TRT—Mnd.
- Anthoxanthum odoratum* L. Sweet vernal grass
 Uncommon. Open, flat roadsides; on moist or dry sand and gravel. (+)
 TRT—Hin, Lut, Sno.
- Brachyelytrum erectum* (Schreber) P. Beauv. Leafy wood grass
 Common. Woods, damp roadsides, and wet sand flats.
 APM—Cly; TRT—Dud, Hct, Mnd; S.R.—Lut, Sno.
- Bromus ciliatus* L. Fringed brome grass
 Common. Sandy roadsides and grassy ditches.
 TRT—Cly, Dys, Sno.
- Bromus inermis* Leysser Smooth brome grass
 Common. Gravel roadsides and open rocky areas. (+)
 APM—Ngt; TRT—Mnd, Sno, Stn; S.R.—Dys, Lut.

- Bromus tectorum* L.** Downy brome grass
Rare. Two locations. Dry roadside and grassy hillside. (+)
TRT—Hct, Mnd.
- Calamagrostis canadensis* (Michaux) P. Beauv.** Blue joint reed grass
Common. Swampy areas, damp ditches, and hillside.
TRT—Cly, Crd, Hct, Mnd.
- Calamagrostis inexpansa* A. Gray** Northern reed grass
Rare. One location. Rocky shoreline.
TRT—Mnd.
- Cinna latifolia* (Trevin) Griseb.** Nodding wood grass
Common. Thin woods and grassy roadsides.
TRT—Brт, Crd, Hct, Hin, Mnd.
- Dactylis glomerata* L.** Orchard grass
Common. Open sandy areas; frequently on disturbed land. (+)
TRT—Dud, Dys, Gfd, Hct.
- Danthonia spicata* (L.) P. Beauv. ex Roemer and Schultes** Poverty grass
Common. Sandy, dry open sites.
TRT—Hbn, Hct, Mnd; S.R.—Dys.
- Deschampsia flexuosa* (L.) Trin.** Hair grass
Uncommon. Woods, rocky sites, and mossy banks.
TRT—Hin, Lut, Shb.
- Digitaria ischaemum* (Schreber) Muhlenb.** Smooth crab grass
Uncommon. Sandy and gravelly roadsides.
TRT—Crd, 2 Mnd.
- Digitaria sanguinalis* (L.) Scop.** Large crab grass
Rare. One location. Open disturbed site. (+)
TRT—Mnd.
- Echinochloa crusgalli* (L.) P. Beauv.** Barnyard grass
Uncommon. Dry waste areas. (+)
APM—Ngt; TRT—2 Dys.
- Echinochloa wiegandii* (Fassett) McNeill and Dore** Western barnyard grass
Fairly common. Dry roadsides.
TRT—Crd, Dys, Hin; S.R.—Shb.

- Elymus hystrix* L.** Bottlebrush grass
Hystrix patula Moench
f. *hystrix*
 Uncommon. Grassy slopes and gravel flats.
 TRT—Dys, 2 Stn.
- f. *bigelovianus* (Fern.) Dore**
 Uncommon. Sandy and grassy sites, occasionally in woods.
 TRT—2 Dys; S.R.—Lut.
- Elymus virginicus* L.** Virginia wild rye-grass
 Uncommon. Damp habitats: woods, flats, and stream borders.
 TRT—Lut, Mnd, Sno.
- Festuca arundinacea* Schreber** Tall fescue
 Uncommon. Roadsides; in dense grass on sand and gravel. (+)
 TRT—Crd, Stn; S.R.—Sno.
- Festuca longifolia* Thuill.** Hard fescue
 Rare. Two locations. Coniferous woods and dry parking lot. (+)
 TRT—Crd, Hin.
- Festuca pratensis* Hudson** Meadow fescue
 Rare. One location. Damp abandoned road. (+)
 TRT—Sno.
- Festuca rubra* L.** Red fescue
 Uncommon. Gravel roadsides and mossy rock ridges. (+)
 TRT—Crd, Dys, Stn.
- Festuca saximontana* Rydb.** Rocky Mountain fescue
 Rare. Two locations. Edge of hayfield and rocky shoreline.
 TRT—Crd, Stn.
- Glyceria borealis* (Nash) Batch.** Floating manna grass
 Common. Shallow water, with leaves often floating on the surface.
 TRT—Hct, Mnd, Stn; S.R.—Crd.
- Glyceria canadensis* (Michaux) Trin.** Rattlesnake grass
 Common. Damp shores of lakes and streams, and wet hollows.
 TRT—Cly, Hbn, Hct, Hin, Mnd, Stn; S.R.—Dys.
- Glyceria grandis* S. Watson** Tall manna grass
 Uncommon. River banks and dry or damp roadsides.
 TRT—Dys, Hct, Stn.

- Glyceria melicaria* (Michaux) Hubb.** Long manna grass
 Uncommon. Gravelly or grassy road edges, and occasionally in damper areas among sedges.
 TRT—Brt, Hct, Hin.
- Glyceria striata* (Lam.) A. Hitchc.** Fowl manna grass
 Common. Damp mixed woods and damp sandy roadsides.
 TRT—Crd, Dud, Hct, Mnd, Stn.
- Hierochloe odorata* (L.) P. Beauv.** Sweet grass
 Uncommon. Damp sandy roadsides.
 TRT—Dys, Hin, Lut.
- Holcus lanatus* L.** Velvet grass
 Rare. One location. Small colony in ditch with other grasses. (+)
 TRT—Dys.
- Leersia oryzoides* (L.) Sw.** Cut grass
 Uncommon. Wet sandy edges of streams and rocky shores.
 TRT—Shb, Stn; S.R.—Mnd.
- Lolium perenne* L.** English rye grass
 Rare. Two locations. Moist areas with other grasses. (+)
 TRT—Mnd, Stn.
- Milium effusum* L.** Wood millet
 Uncommon. Mixed woods with leafy ground cover, and roadsides.
 APM—Brt, Cly; TRT—Hin, Mnd.
- Miscanthus sacchariflorus* (Maxim.) Hackel** Plume grass
 Rare. One location. In fence-line vegetation; escape from cultivation. (+)
 TRT—Dys.
- Muhlenbergia frondosa* (Poiret) Fern.** Muhly grass
 Rare. Two locations. Damp, low sites beside old bush roads.
 TRT—2 Dys.
- Muhlenbergia glomerata* (Willd.) Trin.** Muhly grass
 Rare. One location. In large patch of tall grasses beside road.
 TRT—Hin.
- Muhlenbergia mexicana* (L.) Trin.** Muhly grass
 Common. Moist woods and damp sandy ditches.
 TRT—Dys, Hct, Mnd, Shb; S.R.—Lut.

- Muhlenbergia uniflora* (Muhlenb.) Fern.** **Muhly grass**
 Uncommon. Moist sand flats, rocky shores, and roadsides.
 TRT—Hbn, Hct, Hin, Stn; S.R.—Shb.
- Nardus stricta* L.** **Moor mat grass**
 Rare. One location. Numerous clumps on dry sandy site, among low herbs and some shrubs. (+)
 TRT—Sno.
- Oryzopsis asperifolia* Michaux** **Rice grass**
 Fairly common. Dry, sometimes rocky woodlands.
 TRT—Crd, Hct, Mnd, Shb, Stn.
- Oryzopsis racemosa* (Smith) Ricker ex A. Hitchc.** **Rice grass**
 Uncommon. Open mixed woods, and occasionally sandy pockets on rock outcrops.
 TRT—Dys, Gfd, Hct, Lut.
- Panicum boreale* Nash** **Panic grass**
 Uncommon. Sandy pockets on rock point, and open grassy site on sandy soil.
 TRT—2 Mnd, Sno.
- Panicum capillare* L.** **Witch grass**
 Fairly common. Swampy edges of roadsides, and waste areas.
 APM—Ngt; TRT—Dys, Lut.
- Panicum columbianum* Scribner** **Panic grass**
 Uncommon. Sandy sites.
 APM—Ngt; TRT—Mnd, Sno; S.R.—Dys, Hin.
- Panicum depauperatum* Muhlenb.** **Panic grass**
 Rare. One location. Dry, sandy open area near gravel pit.
 TRT—Mnd.
- Panicum implicatum* Scribner** **Panic grass**
 Common. Sand-and-gravel pits and dry disturbed land.
 TRT—Gfd, Hbn, Hct, Hin, Mnd, Mon, Sno.
- Panicum latifolium* L.** **Broadleaf panic grass**
 Rare. One location. Rock ledge above lake.
 TRT—Hin.

- Panicum linearifolium* Scribner Panic grass
Common. Open, dry sandy sites, wooded banks, and moist sand-and-gravel ditches.
TRT—Hin, Mnd, Sno, Stn.
- Panicum linearifolium* Scribner Panic grass
var. *wernerii* Scribner
Rare. One location. Old road through woods.
TRT—Lut.
- Panicum miliaceum* L. Broomcorn millet
Rare. One location. Sandy and gravelly soil in thin, low patch of grasses; escape from cultivation. (+)
TRT—Mnd.
- Panicum tuckermanii* Fern. Witch grass
Rare. One location. Fencerow along road.
TRT—Sno.
- Panicum xanthophysum* A. Gray Yellow panic grass
Rare. Two locations. Bank of wet ditch and damp gravel pit.
TRT—2 Shb.
- Phalaris arundinacea* L. Reed canary grass
Uncommon. Wet roadside ditches.
TRT—Dys, Stn; S.R.—Lut.
- f. *variegata* (Par.) Druce Ribbon grass
Uncommon. Roadside banks and ditches; escapes from cultivation. (+)
APM—Ngt; TRT—Hct, Stn; S.R.—Sno.
- Phleum pratense* L. Timothy
Common. Dry fields and roadsides. (+)
TRT—Dys, Hct, Shb, Stn.
- Phragmites australis* (Cav.) Trin. ex Steudel Reed grass
Rare. Two locations. Small colony on roadside, and large dense colony at river edge.
APM—Cly; TRT—Cly, Gfd.
- Poa annua* L. Annual blue grass
Uncommon. Lawns, waste places, and road edges. (+)
APM—Brt; TRT—Mnd.

- Poa compressa* L. Canada blue grass
Common. Dry sandy, gravelly, or rocky areas. (+)
TRT—Dys, Mnd, Sno, Stn.
- Poa nemoralis* L. Wood blue grass
Rare. One location. Open sandy site; one clump.
TRT—Lut.
- Poa palustris* L. Fowl meadow grass
Common. Damp sandy clearings, meadows, river banks, and edges
of woods.
TRT—Mnd, Sno, Stn.
- Poa pratensis* L. Kentucky blue grass
Common. Sandy disturbed sites and open rocky areas. (+)
TRT—Crd, Dys, Gfd.
- Poa saltuensis* Fern. and Wieg. Poa grass
Fairly common. Deciduous or mixed woods and roadside ditches.
APM—Br; TRT—Hct, McC, Mnd, Shb.
- Puccinellia fernaldii* (A. Hitchc.) E. Voss Alkali grass
Fairly common. Wet locations in muck.
APM—Cly; TRT—Dys, Hct, Sno, Stn.
- Schizachne purpurascens* (Torrey) Swallen False medic grass
Common. Rich woodlands and rocky wooded slopes.
TRT—Crd, Mnd, Stn.
- Secale cereale* L. Rye
Uncommon. Roadside plantings. (+)
TRT—Sno (several sites).
- Setaria glauca* (L.) P. Beauv. Yellow foxtail
Rare. One location. Around abandoned railway tracks. (+)
TRT—Dys.
- Setaria viridis* (L.) P. Beauv. Green foxtail
Common. Dry sandy roadsides and clearings. (+)
TRT—Crd, Dys, Hin, Shb, Stn.
- Spartina pectinata* Link Tall cord grass
Rare. One location. Wet shoreline.
TRT—Shb.

***Triticum aestivum* L.**

Hard wheat

Rare. One location. Roadside ditch. (+)

TRT—Stn.

CYPERACEAE

SEDGE FAMILY

***Carex aquatilis* Wahlenb.**

Sedge

Common. Marshy and boggy lake edges, in water or on shore.

DFB—Lwr; TRT—Liv, Shb.

***Carex arctata* Boott**

Sedge

Common. Roadside ditches and open woods; on moist or wet sandy soils.

APM—Cly, Ng; TRT—Crd, Gfd, Hct, Mnd, Shb, Stn.

***Carex aurea* Nutt.**

Sedge

Rare. One location. Wet meadow over calcareous substratum.

TRT—Mnd.

***Carex bebbii* (L. Bailey) Olney ex Fern.**

Sedge

Common. Wet edges of swamps and lakes.

TRT—Lut, Shb; S.R.—Mnd.

***Carex bromoides* Schk. ex Willd.**

Sedge

Rare. One location. Moist woods.

TRTE—Ans.

***Carex brunnescens* (Pers.) Poiret ex Lam.**

Sedge

Common. On wet ground, in swampy areas and woods.

TRT—Liv, McC, Mnd, Shb; S.R.—Dys.

***Carex buxbaumii* Wahlenb.**

Sedge

Uncommon. Rock crevices and rocky shorelines.

TRT—Dud, McC, Mnd.

***Carex canescens* L.**

Sedge

var. *disjuncta* Fern.

Rare. One location. Swampy river's edge.

TRT—Stn.

var. *subloliacea* (Laest.) Hartman

Common. Swamps and wet shores.

TRT—Crd, Dys, Gfd, McC, Mnd; S.R.—Mon.

***Carex communis* L. Bailey**

Sedge

Common. Uplands and shorelines, on dry or moist soils.

APM—Ng; TRT—Dys, Hct, Liv, Mnd, Shb, Stn.

- Carex crawfordii* Fern.** Sedge
Common. Moist sandy soils bordering swamps, ponds, and woods.
CAN—Crd; TRT—Dys, Mnd, Shb.
- Carex crinita* Lam.** Sedge
Fairly common. Wet shores and swampy areas.
TRT—Hct, Shb; S.R.—Hin.
- Carex cristatella* Britton** Sedge
Rare. One location. Roadside gravel beside stream.
TRT—Hin.
- Carex cryptolepis* Mackenzie** Sedge
Fairly common. Wet shores of lakes and streams, usually on sandy soil.
APM—Ngt; TRT—Hbn, Hct, Hin, Lwr, Mnd.
- Carex cumulata* (L. Bailey) Fern.** Sedge
Rare. One location. Damp roadside with dense growth of grasses.
TRT—Lut.
- Carex debilis* Michaux** Sedge
var. *rudgei* L. Bailey
Fairly common. Moist woods on humus.
TRT—Hin, Sno.
- Carex deflexa* Hornem.** Sedge
Rare. One location. Clearing on edge of woods.
TRT—Stn.
- Carex deweyana* Schwein.** Sedge
Common. Moist open areas, usually adjacent to woods.
APM—Br; TRT—Crd, Hct, Mnd, Stn.
- Carex diandra* Schrank** Sedge
Uncommon. Swampy areas, in calcareous regions.
TRT—Crd, Lut, Mnd.
- Carex disperma* Dewey** Sedge
Common. Swampy edges of woods, and shores.
APM—Cly; TRT—Crd, Dud, Hct, Mnd, Shb.
- Carex eburnea* Boott** Sedge
Rare. One location. Base of steep cliff of calcareous rock.
TRT—Crd.

- Carex echinata* Murray** Sedge
C. cephalantha (L. Bailey) E. Bickn.
C. angustior Mackenzie
C. muricata L.
 Common. Rocky, sandy, or marshy lake and stream shores, and wet meadows.
 CAN—Crd; DAO—Hct; TRT—Dud, Gfd, Hin, Mnd, Stn.
- Carex flava* L.** Sedge
 Common. Wet meadows and wet bush roads.
 TRT—Crd, Dys, Lut, Mnd.
- Carex folliculata* L.** Sedge
 Rare. One location. Shallow water off rocky shore.
 TRT—Shb.
- Carex garberi* Fern.** Sedge
 Rare. One location. Wet meadow, in calcareous region.
 TRT—Mnd.
- Carex gracillima* Schwein.** Sedge
 Common. Wet open or wooded areas.
 TRT—Crd, Lut, Mnd, Stn.
- Carex granularis* Muhlenb. ex Willd.** Sedge
 Rare. One location. Wet open edge of small stream, in calcareous region.
 TRT—Mnd.
- Carex gynandra* Schwein.** Sedge
 Common. On damp or wet edges of woods, on shores, and in sandy ditches.
 TRT—Cly, Crd, Hct, McC, Mnd, Shb, Stn.
- Carex houghtoniana* Torrey ex Dewey** Sedge
 Fairly common. Open or scrubby, dry or moist, sandy or gravelly locations.
 TRT—Crd, Dys, Hct, Ngf, Stn.
- Carex hystericina* Muhlenb. ex Willd.** Sedge
 Common. On moist or wet shores of lakes, and in damp ditches.
 TRT—Crd, Shb, Sno.
- Carex interior* L. Bailey** Sedge
 Common. Bogs, swamps, wet hollows, and shores; open or wooded.
 CAN—Crd; TRT—Dys, Mnd, Mon.

- Carex intumescens* Rudge** Sedge
Common. Wet shores and banks of lakes and streams, and damp edges of woods.
APM—Brt; TRT—Dys, Gfd, Hct, Mnd, Shb, Stn.
- Carex lacustris* Willd.** Sedge
Uncommon. Grassy stream margins, and lake edges; in water up to 10 cm deep.
TRT—Dys, Liv.
- Carex lanuginosa* Michaux** Sedge
Rare. One location. Clearing in moist woods.
TRT—Mnd.
- Carex lasiocarpa* Ehrh.** Sedge
Common. Bogs, marshes, and wet stream banks.
TRT—Dud, Dys, Hin, Liv, Mnd.
- Carex lenticularis* Michaux** Sedge
Uncommon. Wet sand flats on shorelines.
TRT—Hav, Hin, Sno.
- Carex leptalea* Wahlenb.** Sedge
Uncommon. Moist ground in open disturbed areas, and damp slopes.
TRT—Crd, Mnd.
- Carex leptoneuria* (Fern.) Fern.** Sedge
Fairly common. Damp deciduous or mixed woods and edges of open wet areas.
TRT—Crd, Dys, Hct, Shb; S.R.—Lut, Mon.
- Carex lucorum* Willd. ex Link** Sedge
Rare. Two locations. Sandy edge of woods and thin sandy soil over granitic rock.
TRTE—Lut, Stn.
- Carex lupulina* Muhlenb. ex Willd.** Sedge
Uncommon. Wet depressions in woods.
TRT—3 Hct.
- Carex lurida* Wahlenb.** Sedge
Fairly common. Wet margins of shores, and damp ditches.
CAN—Shb; TRT—Hin, Shb, Sno; S.R.—Stn.

- Carex merritt-fernaldii* Mackenzie** Sedge
Rare. Two locations. Open, dry grassy roadside and old, dry field.
TRT—Gfd, Mnd.
- Carex michauxiana* Boeckeler** Sedge
Rare. One location. Damp roadside.
TRT—Shb.
- Carex oligosperma* Michaux** Sedge
Uncommon. Bogs and marshy stream edges.
TRT—Hin, Lwr, Shb.
- Carex ormostachya* Wieg.** Sedge
Common. Open sand-and-gravel flats, fields, and occasionally damp woods.
TRT—Crd, Hct, Hin, Lut, Shb, Stn.
- Carex pallescens* L.** Sedge
Uncommon. Damp sandy ditches and open waste sites.
APM—Cly; TRT—Dys, Sno.
- Carex pauciflora* Light.** Sedge
Rare. Two locations. Bogs.
CAN—Crd; TRT—Dys.
- Carex paupercula* Michaux** Sedge
Rare. Two locations. Swamp edge and bog.
TRT—Hct, Mnd.
- Carex peckii* Howe** Sedge
Common. Open banks, edges of woods, rock depressions, and bogs.
APM—Brt; TRT—McC, Mnd, Stn; S.R.—Dys, Hbn.
- Carex pedunculata* Muhlenb. ex Willd.** Sedge
Uncommon. Open or wooded lakeshores.
APM—Brt; TRT—Mnd.
- Carex pensylvanica* Lam.** Sedge
Uncommon. Open, mossy sand flats and rocky grassy slopes.
TRT—Dud, Dys.
- Carex plantaginea* Lam.** Sedge
Rare. Two locations. Sugar maple forest and moist coniferous woods.
TRT—Dys, Hct.

- Carex platyphylla* J. Carey** Sedge
Rare. One location. Sugar maple forest, on rich humus.
CAN—Crd.
- Carex projecta* Mackenzie** Sedge
Uncommon. Damp or wet depressions in woods and meadows.
TRT—Gfd, Hct.
- Carex pseudo-cyperus* L.** Sedge
Common. Swamps, wet woods, and wet shores.
TRT—Crd, Hct, Lut, Sno, Stn; S.R.—Mnd.
- Carex radiata* (Wahlenb.) Small** Sedge
C. rosea auct. non Willd. (see Webber and Ball, 1984)
Uncommon. Roadsides, old fields, edges of woods, and grassy banks.
TRT—Crd, Glm, Hct, Mnd.
- Carex retrorsa* Schwein.** Sedge
Common. Wet ditches, swamp edges, and wet edges of woods.
TRT—Crd, Dys, Hct, Lut.
- Carex rugosperma* Mackenzie** Sedge
Uncommon. Mixed woods and sand flats.
TRT—Mnd, Shb; S.R.—Hbn.
- Carex scabrata* Schwein.** Sedge
Fairly common. Damp or wet woods.
TRT—Dys, Hbn, Hct; TRTE—Ans.
- Carex scoparia* Schk. ex Willd.** Sedge
Common. Wet sandy shores of lakes, ponds, and streams.
TRT—Crd, Dys, Glm, Hct, Hin, Stn; S.R.—Sno.
- Carex sprengelii* Dewey ex Sprengel** Sedge
Uncommon. Dry open ditches and open woodlands.
TRT—Crd, Hct, Mnd; S.R.—Dys.
- Carex stipata* Muhlenb. ex Willd.** Sedge
Common. Moist to wet banks, roadsides, and marsh edges.
TRT—Crd, Gfd, Hct, Mnd.
- Carex stricta* Lam.** Sedge
Common. Open wet locations: swamps, marshes, ditches, and meadows.
APM—Cly; TRT—Crd, Dud, Dys, Liv, Stn; S.R.—Shb.

- Carex tenera* Dewey** Sedge
 Uncommon. Moist open edges of woods, stream banks, and damp meadows.
 TRT—Lut, Sno, Stn; S.R.—Mnd.
- Carex trisperma* Dewey** Sedge
 Common. Bogs, marshy lake edges, and wet wooded roadsides.
 APM—Cly; TRT—Dud, Dys, Hct, Shb; S.R.—Liv.
- Carex tuckermanii* Dewey** Sedge
 Rare. One location. Damp edge of coniferous woods.
 TRT—Dys.
- Carex utriculata* Boott** Sedge
C. rostrata auct. non Stokes
 Common. Edges of lakes, stream banks, and marshes.
 TRT—Dud, Dys, Hbn, Hct, Shb; S.R.—Liv.
- Carex vesicaria* L.** Sedge
 Uncommon. Shallow water and wet borders of lakes and bogs.
 APM—Cly; TRT—Crd, Gfd, Mnd, Stn.
- Carex viridula* Michaux** Sedge
 Rare. One location. Edges of old, mostly dried up cat-tail marsh.
 TRT—Crd.
- Carex vulpinoidea* Michaux** Sedge
 Rare. Two locations. Damp, open lake bank and wet meadow.
 TRT—Dys, Sno.
- Cladium mariscoides* (Muhlenb.) Torrey** Twig-rush
 Fairly common. Sphagnum mats on boggy shores.
 TRT—Dys, Hin, McC, Shb; S.R.—Crd.
- Cyperus diandrus* Torrey** Galingale
 Rare. One location. Sandy lakeshore.
 TRT—Stn.
- Cyperus rivularis* Kunth** Umbrella sedge
 Rare. One location. Sandy shore of river.
 TRT—Sno.

- Dulichium arundinaceum* (L.) Britton** **Three-way sedge**
 Common. Wet shores, and shallow water of lakes and ponds, on sand or mud; often in dense colonies.
 TRT—Crd, Dys, Gfd, Hbn, Hct, Mnd, Shb; S.R.—Hin.
- Eleocharis acicularis* (L.) Roemer and Schultes** **Needle rush**
 Common. Sandy or mucky shores of lakes and streams; growing in mats.
 APM—Cly; DAO—Crd, McC; TRT—Dys, Gfd, Hct, Mnd, Shb;
 S.R.—Glm.
- Eleocharis intermedia* Schultes** **Spike-rush**
 Uncommon. Mucky or muddy shores of streams and lakes.
 TRT—McC, Stn.
- Eleocharis obtusa* (Willd.) Schultes** **Spike-rush**
 Common. Sandy or muddy shores and flats, and swampy areas; growing in clumps.
 TRT—Crd, Dys, Hbn, Hct, Mnd, Shb.
- Eleocharis olivacea* Torrey** **Spike-rush**
 Uncommon. Boggy and marshy shores and mucky edges of streams.
 TRT—Crd, Dys, Shb.
- Eleocharis ovata* (Roth) Roemer and Schultes** **Spike-rush**
 Uncommon. Wet sand or mud flats, edges of streams, and various other wet places.
 TRT—Crd, Glm, Hbn, Stn.
- Eleocharis palustris* (L.) Roemer and Schultes** **Spike-rush**
E. smallii Britton
 Fairly common. Shallow water and marshy edges of streams and lakes.
 DAO—Crd, Dys; TRT—Crd, Dys, Hct, Mnd.
- Eleocharis pauciflora* (Light.) Link** **Spike-rush**
 var. *fernaldii* Svenson
 Rare. One location. Shore of lake, on mud flat.
 TRT—Dys.
- Eleocharis robbinsii* Oakes** **Spike-rush**
 Uncommon. Lakes and streams, in water up to 30 cm deep, on soft mud; leaves limp and floating.
 TRT—Dys, McC, Shb; S.R.—Hin.

- Eriophorum spissum* Fern. Bog-cotton
 Uncommon. Bogs and swamps.
 TRT—Dys, Hct; S.R.—Mon.
- Eriophorum virginicum* L. Tawny bog-cotton
 Common. Sphagnum bogs, and occasionally wet ditches.
 CAN—Hin; TRT—Cly, Dys, Hct, Hin, McC; S.R.—Shb.
- Eriophorum viridi-carinatum* (Engelm.) Fern. Cotton-grass
 Rare. One location. Damp sedge meadow, in calcareous region; 20 to 25 scattered plants.
 TRT—Mnd.
- Rhynchospora alba* (L.) M. Vahl Beak rush
 Common. Bogs and boggy shores of lakes.
 DFB—Lwr; TRT—Dys, Hbn, Liv, McC; S.R.—Hin, Shb.
- Rhynchospora capitellata* (Michaux) M. Vahl Beak rush
 Uncommon. Damp sand flats and lakeshores.
 TRT—Hbn, Hin, Shb.
- Rhynchospora fusca* (L.) Aiton f. Beak rush
 Uncommon. Bog mats and boggy shores.
 CAN—Crd; TRT—Hin, Lwr, McC.
- Scirpus acutus* Muhlenb. ex Bigelow Hardstem bulrush
 Uncommon. Shallow water near edges of lakes, on sandy soil.
 TRT—Dys, Hct, Mnd; S.R.—Lut.
- Scirpus atrovirens* Willd. Bulrush
 Common. Wet depressions, stream banks, lakeshores, and reed marshes.
 TRT—Cly, Hct, Mnd, Lut.
- Scirpus cyperinus* (L.) Kunth Wool-grass
 Common. Damp roadsides, shorelines, and marshes.
 TRT—Cly, Crd, Hbn, Hct; S.R.—Lut.
- Scirpus georgianus* Harper Bulrush
 Rare. One location. Roadside overlooking Lake Kashagawigamog.
 TRT—Dys.
- Scirpus microcarpus* Presl Bulrush
var. rubrotinctus (Fern.) Jones
 Rare. Two locations. Edges of swamps.
 TRT—Hbn, Stn.

Scirpus pendulus Muhlenb. ex Willd. **Bulrush**
S. lineatus Michaux
Rare. One location. Bottom land of drained beaver pond.
TRT—Mnd.

Scirpus subterminalis Torrey **Water bulrush**
Uncommon. Slow river currents and backwaters to depths of 30 cm or more; leaves limp and floating.
TRT—Dys, 2 Stn.

Scirpus validus M. Vahl **Soft-stem bulrush**
var. *creber* Fern.
Common. Rivers up to 30 to 40 cm deep, swampy lake edges, and marshes; large colonies in marshes.
TRT—Hbn; S.R.—Crd, Dys, Lut.

ARACEAE **ARUM FAMILY**
Acorus americanus (Raf.) Raf. **Sweetflag**
Rare. Three locations, including sandy delta and swampy lake edge; small colonies growing with sedges.
TRT—2 Mnd, Stn.

Arisaema triphyllum (L.) Schott **Jack-in-the-pulpit**
Common. Damp or wet locations in, or on the edges of, woods.
TRT—Gfd, Hav, Hct, Mnd, Stn; S.R.—Brt, Dys.

Calla palustris L. **Wild calla, Water-arum**
Common. Wet, low edges of streams, ponds, and marshes. Dense colonies spreading by stout underwater rhizomes.
TRT—Crd, Dud, Gfd, Hbn, Hct; S.R.—Ans, Hin.

LEMNACEAE **DUCKWEED FAMILY**
Lemna minor L. **Duckweed**
Common. Pools, swamps, and edges of quiet streams; sometimes covering entire surfaces of ponds in swamps.
TRT—Hbn; S.R.—Lut, Mon, Shb.

Spirodela polyrhiza (L.) Schleiden **Greater duckweed**
Uncommon. Growing with *Lemna minor*, or alone in similar habitats.
TRT—Crd, Dys, Hbn.

XYRIDACEAE **YELLOW-EYED GRASS FAMILY**
Xyris difformis Chapman **Yellow-eyed grass**
Uncommon. Sphagnum bogs, and a sand-and-gravel lakeshore. Rare in Ontario (Argus et al., 1982–1987).
TRT—2 Hin, Shb.

***Xyris montana* Ries** **Yellow-eyed grass**
 Uncommon. Boggy edges of streams, ponds, and small lakes, and occasionally wet sandy shores.
 TRT—Crd, Gfd, Hin, McC, Shb.

ERIOCAULACEAE **PIPEWORT FAMILY**
***Eriocaulon septangulare* With.** **Pipewort**
 Common. Edges of ponds and small lakes in water up to 150 cm deep, and wet shores.
 TRT—Cly, Dys, Gfd, Hbn, Hct, Hin, Mnd, Shb.

PONTEDERIACEAE **PICKEREL-WEED FAMILY**
***Pontederia cordata* L.** **Pickerel-weed**
 Common. Shallow water along shores of lakes and rivers; usually in large dense colonies.
 TRT—Crd, Hct, Mnd, Shb; S.R.—Hin, Sno.

JUNCACEAE **RUSH FAMILY**
***Juncus acuminatus* Michaux** **Rush**
 Rare. Two locations. Sandbar and swampy lake edge. Rare in Ontario (Argus et al., 1982–1987).
 TRT—Mnd; S.R.—Shb.

***Juncus articulatus* L.** **Rush**
 Uncommon. Edges of lakes and cat-tail marshes, on wet sand or sandy muck.
 TRT—Crd, Dys, Lut.

***Juncus brachycephalus* (Engelm.) Buchenau** **Rush**
 Rare. One location. Wet ditch, on sand and gravel.
 TRT—Stn.

***Juncus brevicaudatus* (Engelm.) Fern.** **Rush**
 Common. Wet sandy ditches and sandy shores.
 DFB—Lwr; TRT—Cly, Crd, Dys, Hbn, Hct, Mnd, Shb.

***Juncus bufonius* L.** **Toad rush**
 Common. Lakeshores and other open, flat, wet or damp sandy areas.
 TRT—Crd, Dys, Gfd, Hbn.

***Juncus canadensis* J. Gay ex Laharpe** **Canada rush**
 Common. Marshy and boggy shores, and quiet backwaters.
 TRT—Dys, Gfd, Hin, Stn; S.R.—Crd, Lut, Shb.

***Juncus dudleyi* Wieg.** **Rush**
Rare. Two locations. Moist, open grassy area in park, and damp weedy area beside abandoned railroad.
TRT—Dys, Gfd.

***Juncus effusus* L.** **Soft rush**
Common. Edges of streams and lakeshores, wet ditches, and open, damp sand flats; growing in or out of water.
TRT—Cly, Crd, Dys, Gfd, Hct, Mnd, Shb, Sno.

***Juncus filiformis* L.** **Rush**
Common. Sandy edges of lakes, bays, and streams.
TRT—Crd, Hbn, Hin, Liv, Mnd; S.R.—Dys.

***Juncus militaris* Bigelow** **Bayonet rush**
Rare. One location. Shallow water of lake on soft sand and muck bottom; plants up to 135 cm in height.
TRT—Hin.

***Juncus nodosus* L.** **Rush**
Common. Edges of marshes and shores of streams.
TRT—Crd, Lut, Sno.

***Juncus pelocarpus* E. Meyer** **Rush**
Common. Mucky or muddy shores of lakes and streams.
TRT—Crd, Dys, Hin, McC; S.R.—Mnd, Shb.

***Juncus tenuis* Willd.** **Path rush**
Common. Damp or dry, sandy or muddy open flats and banks.
TRT—Crd, Dys, Hct, Mnd.

***Luzula multiflora* (Retz.) Lej.** **Wood rush**
L. campestris (L.) DC. var. *multiflora* (Ehrh.) Čelak.
Common. Open or partly shaded sites, usually on damp soil.
TRT—Dys, Hbn, Sno, Stn.

LILIACEAE **LILY FAMILY**
***Allium schoenoprasum* L.** **Wild chive**
Rare. One location. One clump on edge of gravel road; escape from cultivation. (+)
TRT—Stn.

***Allium tricoccum* Aiton** **Wild leek**
Common. Woods and edges of woods; in dense colonies.
APM—Brt; DFB—McC; TRT—Dud, Hct, Mnd.

- Asparagus officinalis* L. Asparagus
 Uncommon. Sandy roadsides and clearings. (+)
 TRT—Mnd, Stn; S.R.—Hbn.
- Clintonia borealis* (Aiton) Raf. Corn lily
 Common. Deciduous or mixed woods, on moist humus.
 TRT—Crd, Dud, Gfd, Hbn, Hct, Shb, Stn.
- Erythronium americanum* Ker Gawler Trout lily
 Common. Deciduous or mixed woods, on moist humus; in large dense colonies, often with a small number of plants bearing flowers.
 TRT—Crd, Gfd, Hbn, Hct, Shb; S.R.—Dys, Mnd.
- Hemerocallis fulva* (L.) L. Orange day-lily
 Uncommon. Damp ditches and grassy banks; escapes from cultivation, but well established. (+)
 APM—Ngt; TRT—Lut, McC, Stn.
- Hemerocallis lilioasphodelus* L. Yellow day-lily
H. flava (L.) L.
 Uncommon. Damp roadside ditches; in small dense colonies; escapes from cultivation, but well established. (+)
 TRT—Lut.
- Lilium philadelphicum* L. Wood lily
 Rare. One location. Moist woods.
 OAC—Crd.
- Maianthemum canadense* Desf. Wild lily-of-the-valley
 Common. Moist deciduous woods and mossy banks; in small to large colonies.
 TRT—Crd, Dud, Gfd, Hbn, Hct, Mnd, Shb, Stn.
- Medeola virginiana* L. Indian cucumber-root
 Fairly common. Deciduous or mixed woods, on leafy humus; locally sparse, with plants occurring singly, often some distance apart.
 DFB—Ngt; TRT—Crd, Gfd, Hct, Mnd, Shb; S.R.—Hin.
- Polygonatum pubescens* (Willd.) Pursh Hairy Solomon's-seal
 Common. Woods and edges of woods.
 TRT—Crd, Hav, Hct, Mnd, Stn; TRTE—Ans.
- Smilacina racemosa* (L.) Desf. False Solomon's-seal
 Common. Open roadsides and edges of woods; in large colonies.
 TRT—Gfd, Hct, Mnd; S.R.—Dys, Glm, Lut, Sno.

- Smilacina stellata* (L.) Desf.** **Starry Solomon's-seal**
 Uncommon. On low river banks, and beside old railway tracks on sandy soil.
 TRT—Crd, Sno; S.R.—Mnd.
- Smilacina trifolia* (L.) Desf.** **Three-leaved Solomon's-seal**
 Common. Damp or wet, open or partly treed bogs; in sphagnum.
 TRT—Dud, Dys, Hct, McC.
- Smilax hispida* Muhlenb.** **Prickly greenbrier**
 Rare. Two locations. Beside creek and on river bank; climbing on tall shrubs.
 TRT—Mnd, Sno.
- Streptopus roseus* Michaux** **Rose twisted-stalk**
 Common. Moist woods and partly shaded grassy banks.
 APM—Ngt; TRT—Gfd, Hct, Liv, Mnd; S.R.—Dys, Hin.
- Trillium erectum* L.** **Red trillium**
 Common. Moist woods. Widespread in the county. (A few aberrant forms with green patches on petals resulting from disease, TRT—Mnd.)
 TRT—Hct, Mnd; S.R.—Dys.
- f. *luteum* Louis-Marie** **Red trillium (yellow form)**
 Rare. Two locations. Roadside, and wet cedar woodland.
 DFB—Hct; TRT—Hct.
- Trillium grandiflorum* (Michaux) Salisb.** **White trillium**
 Common. Rich moist woods; large colonies in southern townships, rare in northern two-thirds of county. (A number of aberrant forms with green streaks on petals resulting from disease, TRT—Lut, Mnd.)
 APM—Brt; TRT—Hct, Lut, Mnd, Stn; S.R.—Crd, Dud.
- Trillium undulatum* Willd.** **Painted trillium**
 Fairly common. Deciduous or mixed woods; more abundant in northern townships.
 TRT—Hct, Liv, Mnd; S.R.—Hin.
- Uvularia grandiflora* Smith** **Large-flowered bellwort**
 Common. Deciduous woods, on leafy humus.
 APM—Brt; TRT—Hbn, Hct; S.R.—Crd, Dys, Lut, Mnd.

AMARYLLIDACEAE

AMARYLLIS FAMILY

Narcissus poeticus L.

Poet's narcissus

Uncommon. Damp grassy flats in partial shade, and low, open grassy banks; escapes from cultivation. (+)

TRT—Crd; S.R.—Glm, Stn.

IRIDACEAE

IRIS FAMILY

Iris versicolor L.

Wild iris, Blue flag

Fairly common. Rocky, sandy, or marshy shores, and shallow water.

TRT—Crd, Dys, Gfd, Hct; S.R.—Hin, Mon, Stn.

Sisyrinchium montanum E. Greene

Blue-eyed grass

Fairly common. Open flat sites and sandy grassy banks.

TRT—Gfd, Hct, Lut, Mnd, Shb; S.R.—Crd.

ORCHIDACEAE

ORCHID FAMILY

Calopogon tuberosus (L.) Britton, Sterns, and Pogg.

Grass-pink

C. pulchellus (Salisb.) R. Br.

Rare. Two locations. Open sphagnum bogs bordering lakes; about one hundred plants in one of these locations.

TRT—2 Hin.

Coeloglossum viride (L.) Hartman

Long-bracted green orchid

var. *virescens* (Muhlenb.) Luer

Habenaria viridis (L.) R. Br. var. *bracteata* (Willd.) A. Gray

Uncommon. Mixed or deciduous woods.

TRT—Hct; S.R.—Brt, Hct.

Corallorhiza maculata (Raf.) Raf.

Spotted coral-root

Uncommon. Damp deciduous or mixed woods, on humus.

TRT—Crd, Dys, Hct, Shb, Stn.

Corallorhiza striata Lindley

Striped coral-root

Uncommon. Dense, damp maple forests, and mixed woods; on humus.

TRT—Crd, Hct, Mnd.

Corallorhiza trifida Châtel

Early coral-root

Uncommon. Cedar-balsam swamp and wet mixed woods.

TRT—Mnd; S.R.—Dys.

Cypripedium acaule Aiton

Pink moccasin flower, Pink lady's-slipper

Common. Coniferous or mixed woods; usually in shade, on humus over sand; often numerous and scattered.

TRT—Crd, Dud, Hbn, Hct, McC, Shb; S.R.—Brt, Hin, Liv.

- f. albiflorum* Rand and Redf.** **White-lipped moccasin flower**
 Rare. One location. Mixed woods on lake bank; scattered sparsely among
 forma *acaule*.
 TRT—Liv.
- Cypripedium calceolus* L.** **Large yellow lady's-slipper**
 var. *pubescens* (Willd.) Correll
 Uncommon. Damp mixed woods.
 TRT—Lut; S.R.—Lut, Sno.
- Cypripedium reginae* Walter** **Showy lady's-slipper, Queen lady's-slipper**
 Rare. One location. Tamarack-cedar bog.
 TRT—Glm.
- Epipactis helleborine* (L.) Crantz** **Helleborine**
 Common. On roadsides at edges of deciduous or mixed woods, and occa-
 sionally in coniferous woods. (+)
 APM—Ngt; DAO—Hct, Ngt; TRT—Dys, Hct, Mnd; S.R.—Lut.
- Goodyera oblongifolia* Raf.** **Menzies' rattlesnake-plantain**
 Rare. One location. Old road through woods, on sand and gravel.
 TRT—Mnd.
- Goodyera repens* (L.) R. Br.** **Dwarf rattlesnake-plantain**
 var. *ophioides* Fern.
 Uncommon. Damp or dry coniferous woods.
 TRT—Hct, Mnd, Shb.
- Goodyera tessellata* Lodd.** **Rattlesnake-plantain**
 Common. Mixed woods, dry uplands, and wet lowlands in
 sphagnum moss.
 APM—Lwr; DFB—Lwr; TRT—Dys, Gfd, Hbn, Hct, Hin, Shb.
- Liparis loeselii* (L.) L. C. M. Richard** **Loesel's twayblade**
 Rare. One location. Along lakeshore in sand and gravel of abandoned road.
 TRT—Stn.
- Listera auriculata* Wieg.** **Auricled twayblade**
 Rare. One location. Shaded, damp sand-and-clay bank of river under
 alders and balsam trees. About ten scattered plants, a few in moss; the
 most southern Canadian site recorded in Ontario for this species (Whiting
 and Catling, 1977).
 TRT—Sno.

- Malaxis monophylla* (L.) Sw. White adder's-mouth
 var. *brachypoda* (A. Gray) Morris
 Rare. One location. Cedar-balsam swamp, in calcareous region; 20 to 30 plants in one area of swamp.
 TRT—Mnd.
- Malaxis unifolia* Michaux Green adder's-mouth
 Uncommon. Mixed woods and rocky or sandy open sites.
 TRT—Crd, Hbn, Mnd, Shb; S.R.—Dys, Hin.
- Platanthera clavellata* (Michaux) Luer Club-spur orchid
Habenaria clavellata (Michaux) Sprengel
 Common. Open, flat sandy sites with low vegetation of sedges and mosses, and woods near edges of lakes and bogs; often locally abundant.
 TRT—Dud, Hbn, Hin, McC, Shb; S.R.—Dys.
- Platanthera hyperborea* (L.) Lindley Tall northern green orchid
Habenaria hyperborea (L.) R. Br.
 Fairly common. Shaded, wet areas: ditches, swamps, and hollows in woods; usually in muck.
 TRT—Crd, Hct, Mnd, Stn.
- Platanthera lacera* (Michaux) G. Don Green fringed orchid
Habenaria lacera (Michaux) Lodd.
 Uncommon. Damp ditches and moist meadows.
 TRT—Mnd, Sno; S.R.—Dys.
- Platanthera obtusata* (Banks ex Pursh) Lindley Blunt-leaf orchid
Habenaria obtusata (Banks ex Pursh) Richardson
 Uncommon. Damp woods and edges of bogs.
 TRT—Dud, Hct, Mnd.
- Platanthera orbiculata* (Pursh) Lindley Large round-leaved orchid
 var. *orbiculata*
Habenaria orbiculata (Pursh) Torrey
 Uncommon. Coniferous or mixed woods, on rich moist soils.
 TRT—Hct, Stn; S.R.—Dys.
- var. *macrophylla* (Goldie) Luer
Habenaria orbiculata (Pursh) Torrey var. *macrophylla* (Goldie) Boivin
 Rare. Two locations. Moist woods at edge of cedar-balsam swamp, and wet woods. Rare in Ontario (Argus et al., 1982–1987).
 CAN—Mnd; PENN—Stn; TRT—Mnd, Stn (photostat of PENN specimen).

Platanthera psycodes (L.) Lindley Purple fringed orchid
Habenaria psycodes (L.) Sprengel
 Rare. Two locations. Wet bank, and rich soil on small island in stream.
 TRT—Hbn, Hct.

Pogonia ophioglossoides (L.) Juss. Rose-pogonia
 Uncommon. Bogs and boggy shores.
 REW—Crd; TRT—Crd, Dys, McC; S.R.—Hin.

Spiranthes casei Catling and Cruise Case's ladies' tresses
 Fairly common. Sand-and-gravel roadsides, roadside banks, and open grassy fields.
 TRT—Dys, Shb, Stn; WAT—Hin.

Spiranthes cernua (L.) L. C. M. Richard Nodding ladies' tresses
 Common. Damp ditches, moist meadows, and sand-and-gravel flats with mosses.
 TRT—Crd, Dys, Hbn, Hct, Hin, Mnd, Shb, Sno.

Spiranthes lacera (Raf.) Raf. Slender ladies' tresses
 Uncommon. Rock outcrops and wooded roadsides.
 REW—Hin, Shb; TRT—Hbn, Hct, Hin, Mnd, Shb.

Spiranthes romanzoffiana Cham. Hooded ladies' tresses
 Uncommon. Damp or dry roadsides, depressions on rocky banks, and grassy flats on sandy soil.
 TRT—Hbn, Hct, Mnd; S.R.—Dys, Hin.

Spiranthes lacera (Raf.) Raf. Hybrid ladies' tresses
 × *S. romanzoffiana* Cham.
 Rare. One location. Shallow depression on rocky roadside. Unusual hybrid with two locations recorded in Ontario, one in the Parry Sound District and the other in Haliburton (Whiting and Catling, 1986).
 DAO—Hin; TRT—Hin.

DICOTYLEDONS

SALICACEAE

Populus alba L.

WILLOW FAMILY

White poplar, Silver poplar

Uncommon. Fields and roadsides; usually near dwellings; introduced and spreading. (+)
 TRT—Dys, Mnd, Stn.

- Populus balsamifera* L.** **Balsam poplar**
Common. Sand flats, roadside banks, and occasionally rocky ridges; often in tall stands.
TRT—Gfd, Mnd; S.R.—Crd, Dud, Lut.
- Populus grandidentata* Michaux** **Large-toothed aspen**
Common. Tall mixed woods or large pure stands; on leaf-covered sandy soil.
TRT—Dys, Hct; S.R.—Ans, Hin, Mnd, Sno, Stn.
- Populus tremuloides* Michaux** **Quaking aspen**
Common. Pure stands, mixed woods, and edges of meadows and woods; on sandy soils.
TRT—Crd, Dys, Gfd, Hct, Stn.
- Salix bebbiana* Sarg.** **Beaked willow**
Common. Moist to very wet areas—thickets, fields, and swamps—and sandy banks.
TRT—Hbn, Hct, Mnd; S.R.—Hin, Lut.
- Salix discolor* Muhlenb.** **Pussy willow**
Common. Dry sandy areas and wet swampy sites; often with various shrub species.
TRT—Hct, Mnd, Shb; S.R.—Crd, Hct, Hin.
- Salix eriocephala* Michaux** **Stiff willow**
S. rigida Muhlenb.
Rare. One location. Four shrubs in roadside thicket, on damp sandy soil.
TRT—Stn.
- Salix fragilis* L.** **Crack willow**
Common. River and lake banks, lawns, and damp roadsides; on clay or sand; branches very brittle; introduced and well established. (+)
APM—Ngt; TRT—Dys, Mnd.
- Salix humilis* Marshall** **Upland willow**
Common. Various open, dry or damp areas.
TRT—Dys, Hct, Mnd; S.R.—Sno.
- Salix lucida* Muhlenb.** **Shining willow**
Common. Open, damp to wet areas, with other species of willows and shrubs.
TRT—Dys, Hbn, Hct; S.R.—Crd.

***Salix petiolaris* Smith** **Slender willow**
 Common. Wet roadside thickets, swamps, bogs, and damp fields; usually in dense colonies.
 TRT—Dys, Hbn, Hct, Mnd, Sno; S.R.—Stn.

***Salix planifolia* Pursh** **Flat-leaved willow**
 Rare. One location; three shrubs. Open, damp roadside ditch.
 TRT—Mnd.

***Salix pyrifolia* Andersson** **Balsam willow**
 Fairly common. Edges of marshes, bogs, and lakes, and wet meadows.
 APM—Cly; TRT—Dys, Hin; S.R.—Stn.

MYRICACEAE BAYBERRY FAMILY
***Comptonia peregrina* (L.) Coulter** **Sweet-fern**
Myrica asplenifolia auct. non L.
 Uncommon. Dry sandy areas and damp shores; in colonies.
 TRT—Dys, Gfd, Shb; S.R.—Sno.

***Myrica gale* L.** **Sweet gale**
 Common. Shores, sphagnum flats, and wet banks; in large colonies.
 TRT—Dys, Hct, Hin, Shb; S.R.—Crd.

BETULACEAE BIRCH FAMILY
***Alnus rugosa* (Du Roi) Sprengel** **Speckled alder**
 Common. Swamps, and edges of ponds, streams, and lakes; widespread in county and usually in large colonies.
 TRT—Crd, Dud, Hct, Mnd, Shb; S.R.—Glm, Mon.

***Betula alleghaniensis* Britton** **Yellow birch**
B. lutea Michaux f.
 Common. Tall mixed woods.
 TRT—Gfd, Mnd; S.R.—Dys, Hin, Sno.

***Betula papyrifera* Marshall** **White birch, Paper birch**
 Common. Mixed woods on humus over granite or sand; usually in colonies.
 TRT—Gfd, Hbn, Mnd; S.R.—Dys, Hin, Lut.

***Corylus cornuta* Marshall** **Beaked hazel**
 Common. Edges of banks, streams, and woods.
 TRT—Brt, Hbn, Hct, Mnd.

Ostrya virginiana (Miller) K. Koch Ironwood
Common. Mixed woods and woodlands.
TRT—Hct, Mnd, Stn; S.R.—Dys, Lut.

FAGACEAE BEECH FAMILY
Fagus grandifolia Ehrh. American beech

Common. Deciduous or mixed woods, on rich humus.
TRT—Hct, Mnd, Shb; S.R.—Brt, Lut.

Quercus rubra L. Red oak
Q. borealis Michaux f.
Common. Rocky ridges and mixed woods; often on thin soil.
APM—Ngt; TRT—Dud, Mnd, Shb, Stn.

ULMACEAE ELM FAMILY
Ulmus americana L. White elm

Uncommon. At edges of woods and in fields; in groves of mixed deciduous trees.
TRT—Dys, Mnd, Stn.

Ulmus thomasii Sarg. Rock elm
Rare. One location. Two trees at edge of woods on damp roadside.
TRT—Dys.

MORACEAE MULBERRY FAMILY
Cannabis sativa L. Marijuana
Rare. One location. Waste ground. (+)
APM—Ngt.

Humulus lupulus L. Common hop
Uncommon. Dry gravelly roadsides. (+)
TRT—Hct, Mnd.

URTICACEAE NETTLE FAMILY
Boehmeria cylindrica (L.) Sw. False nettle

Rare. One location. Mixed woods. Large colony surrounding stagnant pool.
TRT—Lut.

Laportea canadensis (L.) Wedd. Wood nettle
Common. Low, wet swampy areas and damp edges of woods.
TRT—Crd, Hct, Mnd, Sno.

- Urtica dioica* L.** **Stinging nettle**
 Uncommon. Deciduous woods, and edges of woods on damp roadsides.
 TRT—Dys, Hct.
- SANTALACEAE** **SANDALWOOD FAMILY**
***Comandra umbellata* (L.) Nutt.** **Bastard toadflax**
C. richardsiana Fern.
 Uncommon. Rock outcrops and lakeshore rock ledges.
 TRT—Lut; S.R.—Hin, Shb.
- POLYGONACEAE** **BUCKWHEAT FAMILY**
***Polygonum amphibium* L.** **Water smartweed**
P. coccineum Muhlenb.
P. natans Eaton
 Common. Quiet waters up to 1 m deep, and edges of sandy or muddy shores.
 TRT—Crd, Dys, Hbn, Hct, Hin, Lut, Mnd, Shb, Stn; S.R.—Mon.
- Polygonum aviculare* L.** **Prostrate knotweed**
 Fairly common. Dry, sandy, barren areas and sparse lawns. (+)
 TRT—Dys, Stn; S.R.—Hin, Mnd.
- Polygonum careyi* Olney** **Bristly smartweed**
 Rare. Open banks and wet shores; singly or in colonies. Rare in Ontario (Argus et al., 1982–1987).
 TRT—Gfd, Hbn, Stn.
- Polygonum cilinode* Michaux** **Bindweed**
 Common. Dry roadsides, open woodlands, and sandy shores.
 TRT—Crd, Gfd, Hct, Mnd, Shb.
- Polygonum convolvulus* L.** **Black bindweed**
 Fairly common. Dry sandy roadsides and wastelands. (+)
 TRT—Cly, Dys, Gfd, Mnd.
- Polygonum cuspidatum* Siebold and Zucc.** **Japanese knotweed**
 Rare. One location. Damp roadside; in small colony. (+)
 TRT—Dys.
- Polygonum hydropiper* L.** **Common smartweed**
 Fairly common. Wet ditches and edges of swamps and streams. (+)
 TRT—Hct, Mnd, Sno, Stn.

- Polygonum lapathifolium* L.** Pale smartweed
Uncommon. Sand flats and other open areas.
TRT—Gfd, Hbn.
- Polygonum persicaria* L.** Lady's-thumb
Common. Waste areas and roadsides. (+)
TRT—Crd, Hbn, Hct; S.R.—Lut.
- Polygonum punctatum* Elliott** Dotted smartweed
Common. Wet or damp stream edges.
TRT—Dud, Glm, Hbn, Hct, Hin, Mnd, Stn.
- Polygonum sagittatum* L.** Tear-thumb
Common. Dry or damp ditches, and edges of ponds and swamps.
TRT—Crd, Gfd, Hct, Hin; S.R.—Mnd.
- Rumex acetosella* L.** Sheep-sorrel
Common. Sand flats, ditches, and damp lakeshores. (+)
APM—Ngt; TRT—Crd, Hct, Mnd; S.R.—Hin.
- Rumex crispus* L.** Sour dock, Curly dock
Uncommon. Dry or damp grassy roadsides. (+)
TRT—Dys, Stn; S.R.—Hin.
- Rumex obtusifolius* L.** Bitter dock
Fairly common. Lake edges, and ditches among sedges and grasses. (+)
APM—Lwr; TRT—Dys, Hct, McC, Mnd.
- Rumex patientia* L.** Patience dock
Rare. One location. Grassy clearing beside lake. (+)
TRT—Dys.
- CHENOPODIACEAE** **GOOSEFOOT FAMILY**
- Chenopodium album* L.** Lamb's quarters
Fairly common. Sandy roadsides and open disturbed ground. (+)
TRT—Hct, Mnd; S.R.—Mnd.
- Chenopodium capitatum* (L.) Ascherson** Strawberry-blite
Uncommon. Damp banks, and clearings with shrubs or grasses; in small colonies.
APM—Cly; TRT—Dud, Hct, Mnd, Stn.
- Chenopodium hybridum* L.** Maple-leaved goosefoot
Uncommon. Disturbed sites on sandy soil.
TRT—Dys, Hbn, Hct.

- Salsola kali* L.** **Russian thistle**
 Rare. One location. On rock ballast of abandoned railroad tracks; in small colony. (+)
 TRT—Sno.
- AMARANTHACEAE** **AMARANTH FAMILY**
***Amaranthus retroflexus* L.** **Pigweed**
 Uncommon. Disturbed waste areas. (+)
 TRT—Dys; S.R.—Crd, Dys.
- NYCTAGINACEAE** **FOUR-O'CLOCK FAMILY**
***Oxybaphus nyctagineus* (Michaux) Sweet** **Umbrellawort**
Mirabilis nyctaginea (Michaux) MacMill.
 Rare. Two locations. Large colony in low damp area along abandoned railroad tracks, and two plants among trees at the edge of meadow. (+)
 TRT—Dys; S.R.—Lut.
- AIZOACEAE** **CARPETWEED FAMILY**
***Mollugo verticillata* L.** **Carpetweed**
 Rare. Two locations. Open sand-and-gravel sites, in large spreading patches. (+)
 APM—Ngt; TRT—Mon.
- PORTULACACEAE** **PURSLANE FAMILY**
***Claytonia caroliniana* Michaux** **Spring-beauty**
 Common. Damp woods, on humus.
 TRT—Hbn, Hct, Mnd.
- CARYOPHYLLACEAE** **PINK FAMILY**
***Arenaria serpyllifolia* L.** **Thyme-leaved sandwort**
 Uncommon. Soil pockets on rocky slopes and dry sandy sites. (+)
 TRT—Lut, Mnd, Shb, Stn.
- Cerastium arvense* L.** **Field chickweed**
 Rare. One location. Open grassy slope.
 TRT—Dys.
- Cerastium fontanum* Baumg.** **Mouse-ear chickweed**
 subsp. *triviale* (Link) Jalas
 Common. Grassy or sandy, open or partly shaded areas. (+)
 TRT—Gfd, Hct, Mnd, Shb, Stn.
- Dianthus armeria* L.** **Deptford pink**
 Uncommon. Sandy roadsides among grasses. (+)
 TRT—Mnd, Stn.

- Dianthus deltoides* L.** Maiden pink
Rare. Two locations. Dry sandy flat and open hillside; escapes from cultivation. (+)
TRT—Lut, Stn.
- Dianthus plumarius* L.** Garden pink
Rare. One location. Edge of woods; escape from cultivation. (+)
TRT—Stn.
- Herniaria glabra* L.** Knawel
Rare. One location. In cracks of pavement of old road. (+)
TRT—Mnd.
- Lychnis chalcedonica* L.** Scarlet lychnis
Rare. One location. Edge of poplar woods among shrubs and tall herbs; escape from cultivation. (+)
TRT—Mnd.
- Sagina procumbens* L.** Pearlwort
Uncommon. Two locations. Cracked pavement and gravel flats. (+)
TRT—2 Mnd; S.R.—Glm.
- Saponaria officinalis* L.** Bouncing-bet
Common. Roadsides, clearings, and damp gravel pits. (+)
TRT—Hin, Shb.
- Silene antirrhina* L.** Sleepy catchfly
Uncommon. Sandy areas, and abandoned railroad tracks in cinders.
TRT—Dys; S.R.—Sno.
- Silene armeria* L.** Garden catchfly
Uncommon. Edges of woods and soil pockets on rocks; escapes from cultivation. (+)
APM—Ngt; TRT—Hbn, Hct.
- Silene noctiflora* L.** Night-flowering catchfly
Uncommon. Open hillsides and roadsides, on sandy soils. (+)
TRT—Dys, Hin; S.R.—Sno.
- Silene pratensis* (Rafn) Godron and Gren.** White campion
Lychnis alba Miller
S. alba (Miller) E. H. Krause
Fairly common. Waste areas and disturbed sites. (+)
APM—Ngt; TRT—Dys, Hct.

***Silene vulgaris* (Moench) Garcke** **Bladder campion**
S. cucubalus Wibel
 Common. Rock crevices and various sandy sites. (+)
 TRT—Crd, Dys, Gfd, Mnd, Sno.

***Spergula arvensis* L.** **Corn spurrey**
 Rare. Two locations. On gravel at roadside, and in damp roadside ditch. (+)
 TRT—Crd, Sno.

***Stellaria graminea* L.** **Lesser stitchwort**
 Common. Dry or damp, grassy or sandy roadsides, and open hillsides. (+)
 APM—Ngt; TRT—Crd, Dys, Gfd, Hct, Stn.

***Stellaria longifolia* Muhlenb. ex Willd.** **Starwort**
 Rare. One location. Damp sandy roadside in large disturbed area; among many species of plants.
 TRT—Hct.

***Stellaria media* (L.) Villars** **Common chickweed**
 Rare. One location. Damp edge of woods at roadside. (+)
 TRT—Mnd.

CERATOPHYLLACEAE HORNWORT FAMILY
***Ceratophyllum demersum* L.** **Coontail**
 Fairly common. Quiet waters of lakes and streams up to 1.5 m deep; floating below surface.
 TRT—Dys, Lut, Mnd.

***Ceratophyllum echinatum* A. Gray** **Coontail**
 Common. Pools, stream edges, and quiet bays; in shallow water up to 0.7 m deep; floating at and below the surface.
 TRT—Crd, Dys, Hin, Mnd; S.R.—Glm.

NYMPHAEACEAE WATER-LILY FAMILY
***Brasenia schreberi* J. F. Gmelin** **Water-shield**
 Common. Still or slow-flowing waters up to 1 m deep; leaves floating on surface.
 TRT—Crd, Dys, Shb; S.R.—Glm, Hin, McC.

***Nuphar pumila* (Timm) DC.** **Yellow water-lily**
N. lutea (L.) Sibth. subsp. *pumila* (Timm) E. O. Beal
N. microphylla (Pers.) Fern.
 Rare. One location. Open water of lake at 1.0 to 1.5 m depth; leaves floating on surface.
 TRT—McC.

***Nuphar variegata* Engelm. ex Durand in Clinton** **Yellow water-lily**
N. lutea (L.) Sibth. subsp. *variegata* (Engelm. ex Durand in Clinton)
 E. O. Beal
 Common. Quiet or gently flowing waters of rivers, bays, and lakes; in shallow water up to 2 m deep; leaves floating on surface.
 TRT—Dys, Hct, Mnd, Stn; S.R.—Crd, Hin, Liv.

***Nymphaea odorata* Dryander ex Aiton** **White water-lily**
 Common. Small lakes, ponds, and quiet waters of rivers; in water up to 2 m deep; leaves floating on surface.
 DFB—Lwr; TRT—Dud, Dys, Gfd, Hct, Hin, McC, Shb, Sno.

RANUNCULACEAE **CROWFOOT FAMILY**
***Aconitum napellus* L.** **Monkshood**
 Rare. One location. Damp ground in partial shade of a stand of balsam-fir; escape from cultivation. (+)
 TRT—Mnd.

***Actaea pachypoda* Elliott** **White baneberry, Doll's-eyes**
A. alba (L.) Miller
 Common. Dry to damp deciduous woods; usually growing singly.
 TRT—Crd, Gfd, Hav, Hbn, Hct, Mnd.

***Actaea rubra* (Aiton) Willd.** **Red baneberry**
 Uncommon. Damp mixed or deciduous woods; singly or in small colonies.
 TRT—Hbn, Mnd, Stn.

***Anemone canadensis* L.** **Canada anemone**
 Rare. Two locations. Beside trail in woods, and in wide flat ditch.
 TRT—Crd, Hct.

***Anemone cylindrica* A. Gray** **Thimbleweed**
 Uncommon. Open grassy areas, often on low moist ground.
 TRT—Dys.

***Anemone riparia* Fern.** **Thimbleweed**
 Rare. Two locations. Open, dry grassy areas.
 TRT—Hin, Mnd.

***Anemone virginiana* L.** **Thimbleweed**
 Fairly common. Open grassy slopes and clearings.
 TRT—Mnd; S.R.—Lut.

- Aquilegia canadensis* L. Wild columbine
Common. Deciduous woods, clearings, and rock outcrops.
TRT—Crd, Hbn, Hct, Mnd; TRTE—Ans.
- Aquilegia vulgaris* L. Garden columbine
Rare. One location. Edge of deciduous woods; escape from cultivation, well established. (+)
TRT—Mnd.
- Caltha palustris* L. Marsh-marigold
Rare. One location. In low, wet ditch on edge of mixed woods.
TRT—Mon.
- Clematis virginiana* L. Virgin's-bower
Fairly common. Climbing on shrubs, small trees, and low vegetation.
TRT—Dud, Hbn, Hct, Mon.
- Coptis trifolia* (L.) Salisb. Goldthread
Common. Damp mixed woods and hemlock forests, on humus.
TRT—Gfd, Hbn, Hct, Liv, Mnd, Shb, Stn.
- Hepatica acutiloba* DC. Sharp-leaved hepatica
Uncommon. Mixed or deciduous woods, on humus.
TRT—Dys; S.R.—Mnd.
- Hepatica americana* (DC.) Ker Gawler Round-lobed hepatica
Uncommon. Deciduous woods, on rich humus.
APM—Ngt; TRT—Dys; S.R.—Mnd.
- Ranunculus abortivus* L. Kidneyleaf buttercup
Common. Wet or dry edges of woods, swampy areas, and along trails.
TRT—Crd, Dys, Hct, Stn.
- Ranunculus acris* L. Tall buttercup
Common. Roadsides, and occasionally in woods. (+)
APM—Ngt; TRT—Crd, Hav, Hbn, Hct, Shb, Sno; S.R.—Lut.
- Ranunculus gmelini* DC. Yellow water-crowfoot
var. hookeri (D. Don) Benson
Rare. Two locations. Mostly submersed in large shallow pool, and on wet muddy bank of small pool.
TRT—2 Crd.
- Ranunculus longirostris* Godron White water-crowfoot
Rare. One location. Shallow water at lake outlet.
TRT—Dud.

- Ranunculus pensylvanicus* L. f.** **Bristly buttercup**
 Common. Wet muddy banks, ditches, and stream edges.
 TRT—Crd, Hct, Mnd, Mon, Stn.
- Ranunculus recurvatus* Poiret ex Lam.** **Hooked buttercup**
 Fairly common. Damp or dry mixed woods.
 APM—Brt; TRT—Crd, Hbn, Hct, McC; S.R.—Glm, Sno.
- Ranunculus repens* L.** **Creeping buttercup**
 Uncommon. Damp, partly shaded roadsides; in dense colonies. (+)
 TRT—Stn.
- Ranunculus reptans* L.** **Creeping spearwort**
var. *reptans*
 Fairly common. Sandy shores and flats at water-line; in dense matted patches.
 TRT—Hbn, Hct, Shb, Stn; S.R.—Hav.
- var. *ovalis* (Bigelow) Torrey and A. Gray**
 Rare. Two locations. Low stream banks.
 TRT—Mnd, Stn.
- Ranunculus sceleratus* L.** **Cursed buttercup**
 Uncommon. Waste areas, gravel roadsides, and rock depressions.
 TRT—Crd, Mnd; S.R.—Hbn.
- Thalictrum dasycarpum* Fisch. and Avé-Lall.** **Purple meadow-rue**
 Uncommon. Mucky shores and stream banks.
 TRT—Hbn, Hct, Stn.
- Thalictrum dioicum* L.** **Early meadow-rue**
 Rare. One location. Steep rocky hillside.
 TRT—Mnd.
- Thalictrum pubescens* Pursh** **Tall meadow-rue**
***T. polygamum* Muhlenb.**
 Common. Wet meadows and damp stream banks.
 TRT—Brt, Hct, Mnd; S.R.—Hin.
- BERBERIDACEAE** **BARBERRY FAMILY**
***Caulophyllum thalictroides* (L.) Michaux** **Blue cohosh**
 Fairly common. Deciduous or mixed woods, on humus.
 APM—Brt; TRT—Hbn, Hct, Mon; S.R.—Dys, Lut.

PAPAVERACEAE

POPPY FAMILY

Chelidonium majus L.

Celandine

Rare. One location. Under trees beside open waste ground. (+)

TRT—Dys.

Sanguinaria canadensis L.

Bloodroot

Rare. One location. Low, moist roadside on edge of deciduous woods; colony of around two hundred plants.

TRT—Mnd.

FUMARIACEAE

FUMITORY FAMILY

Corydalis sempervirens (L.) Pers.

Pale corydalis

Common. Dry sandy sites, especially on rocky shores and outcrops.

TRT—Crd, Dys, Hbn, Hct, Shb.

Dicentra canadensis (Goldie) Walp.

Squirrel-corn

Fairly common. Moist mixed woods, on leafy humus.

APM—Br; TRT—Crd, Hct, Mnd.

Dicentra cucullaria (L.) Bernh.

Dutchman's breeches

Common. Moist mixed woods, on leafy humus.

TRT—Gfd, Hbn, Hct; S.R.—Dys, Mnd.

BRASSICACEAE

MUSTARD FAMILY

(CRUCIFERAE)

Alyssum alyssoides (L.) L.

Alyssum

Uncommon. Sandy and gravelly banks, and occasionally roadsides. (+)

TRT—Sno.

Arabis divaricarpa Nels.

Rock cress

Uncommon. Soil pockets on rocks, and sand-and-gravel flats.

TRT—Lut, Stn.

Arabis glabra (L.) Bernh.

Tower mustard

Rare. One location. Soil pockets on rock ledges.

TRT—Mnd.

Arabis hirsuta (L.) Scop.

Rock cress

var. *pycnocarpa* (M. Hopk.) Rollins

Rare. One location. Damp shady lakeshore.

TRT—Hct.

Barbarea vulgaris R. Br.

Winter cress

Common. Moist roadsides and fields, among grasses. (+)

TRT—Gfd, Hct, Lut, Stn; S.R.—Sno.

- Brassica campestris* L.** **Field mustard**
 Rare. Two locations. Gravel bank, and abandoned railroad tracks on sand and cinders. (+)
 TRT—Dys, Hct.
- Brassica kaber* (DC.) Wheeler** **Charlock**
 Rare. One location. Dry sand fill over garbage dump. (+)
 TRT—Dys.
- Capsella bursa-pastoris* (L.) Medikus** **Shepherd's purse**
 Common. Dry sandy sites and moist wooded roadsides. (+)
 TRT—Dys, Hct, Mnd.
- Cardamine pensylvanica* Muhlenb. ex Willd.** **Bitter cress**
 Common. Shaded pools and wet hollows in woods.
 APM—Brt; TRT—Crd, Gfd, Hct, Mnd, Stn.
- Dentaria diphylla* Michaux** **Toothwort**
 Uncommon. Damp to wet mixed woods; colonies usually small.
 APM—Lwr; TRT—Crd, Hbn.
- Descurainia pinnata* (Walter) Britton** **Tansy-mustard**
var. *brachycarpa* (Richardson) Fern.
 Rare. One location. Beside abandoned railroad tracks.
 TRT—Sno.
- Descurainia sophia* (L.) Webb ex Prantl** **Herb-sophia**
 Rare. One location. Abandoned railroad tracks, on sand and cinders. (+)
 TRT—Dys.
- Diplotaxis tenuifolia* (L.) DC.** **Wall-rocket**
 Rare. One location. Beside abandoned railroad tracks, on sand and gravel. (+)
 TRT—Dys.
- Erysimum cheiranthoides* L.** **Wormseed mustard**
 Fairly common. Wet, disturbed sandy sites. (+)
 TRT—Crd, Dys, Hct, Mnd, Stn.
- Hesperis matronalis* L.** **Dame's rocket**
 Rare. One location. Partially shaded roadside; escape from cultivation. (+)
 TRT—Mnd.

- Lepidium campestre* (L.) R. Br.** Field cress
Common. Open, grassy or rocky waste areas. (+)
TRT—Crd, Hct, Mnd; S.R.—Lut.
- Lepidium densiflorum* Schrader** Peppergrass
Fairly common. Dry, sandy waste ground. (+)
TRT—Dys, Sno, Stn.
- Nasturtium microphyllum* (Boenn.) Reichenb.** Water cress
Rare. One location. Small stream through wet lowland. (+)
TRT—Dys.
- Rorippa palustris* (L.) Besser** Marsh cress
var. *fernaldiana* (Butters and Abbe) Stuckey
Uncommon. Damp sandy soils beside streams and roadsides.
TRT—Cly, Hbn; S.R.—Sno.
var. *hispidum* (Desv.) Rydb.
Fairly common. Damp or wet meadows, and ditches and shorelines.
TRT—Crd, Dys, Hct, Shb, Stn.
- Sisymbrium altissimum* L.** Tumble mustard
Rare. One location. Disturbed waste ground, on sand and gravel. (+)
TRT—Dys.
- Sisymbrium officinale* (L.) Scop.** Hedge mustard
Rare. One location. Sand fill over garbage dump. (+)
TRT—Dys.
- Subularia aquatica* L.** Awlwort
Rare. One location. Edge of low sand island in river.
DAO—Hav or Shb; MICH—Hav or Shb.
- Thlaspi arvense* L.** Field penny-cress
Uncommon. Roadsides and old farmland, with grasses. (+)
TRT—Mnd; S.R.—Lut.

RESEDACEAE

MIGNONETTE FAMILY

***Reseda lutea* L.**

Mignonette

- Rare. One location. Sand and gravel roadside. (+)
TRT—Mnd.

SARRACENIACEAE

PITCHER-PLANT FAMILY

Sarracenia purpurea L.

Pitcher-plant

Fairly common. Sphagnum bogs and boggy edges of lakes.

TRT—Crd, Dud, Dys; S.R.—Hin, Liv, Stn.

DROSERACEAE

SUNDEW FAMILY

Drosera intermedia Hayne

Spatulate-leaved sundew

Common. Partially submerged habitats on shorelines, flats, and old logs.

APM—Lwr; TRT—Dys, Gfd, Hin, Shb, Sno, Stn.

Drosera rotundifolia L.

Round-leaved sundew

Common. Bogs, shores, and damp sand flats; with mosses and grasses.

TRT—Crd, Dud, Hbn, Hct, Hin, Shb.

CRASSULACEAE

ORPINE FAMILY

Sedum acre L.

Mossy stonecrop

Uncommon. Rock ledges and outcrops. (+)

TRT—Dys, Hin.

Sedum hispanicum L.

Spanish stonecrop

Rare. One location. Thin soil over rocks; escape from cultivation. (+)

APM—Ngt.

Sedum telephium L.

Live-forever

Uncommon. Dry waste sites and disturbed roadsides. (+)

DAO—Stn; TRT—Hct, Mnd, Stn.

SAXIFRAGACEAE

SAXIFRAGE FAMILY

Chrysosplenium americanum Schwein.

Golden water-carpet

Fairly common. Wet woods and shrub thickets; on muddy soil or loose sand.

APM—Brt; TRT—Crd, Gfd, Hct, Mnd, Stn.

Mitella diphylla L.

Mitrewort

Common. Deciduous or mixed woods, on leafy ground, partially or completely shaded.

TRT—Crd, Hct, Mnd; S.R.—Dys, Lut.

Mitella nuda L.

Naked mitrewort

Common. Damp or wet areas: swamps and edges of woods.

TRT—Crd, Mnd, Mon.

Philadelphus coronarius L.

Mock-orange

Rare. One location. Woodland thicket; escape from cultivation. (+)

APM—Ngt.

- Ribes cynosbati* L.** Prickly gooseberry
Common. Moist woodlands, often on sandy soil.
APM—Ngt; TRT—Gfd, Hav, Hct, Mnd, Shb.
- Ribes glandulosum* Grauer** Skunk currant
Common. Wet woods, damp slopes, and rocky banks.
TRT—Crd, Hct, Hin, Liv, Mnd.
- Ribes hirtellum* Michaux** Wild gooseberry
Uncommon. Low, moist sites with herbs and shrubs.
TRT—Crd, Dys.
- Ribes lacustre* (Pers.) Poiret** Bristly black currant
Fairly common. Edges of swamps, wet woods, and damp slopes.
TRT—Crd, Hct, Mnd.
- Ribes rubrum* L.** Red currant
R. sativum (Reichenb.) Syme
Rare. One location. Steep disturbed river bank; escape from cultivation. (+)
TRT—Mnd.
- Ribes triste* Pall.** Swamp red currant
Fairly common. Damp woods and open swampy areas.
TRT—Hbn, Hct, Mnd; S.R.—Dys, Hin.
- Saxifraga virginensis* Michaux** Early saxifrage
Rare. Two locations. Moss-covered pockets on rocky outcrops.
TRT—Gfd, Lut.
- Tiarella cordifolia* L.** Foamflower
Common. Deciduous or mixed woods, on leafy humus.
TRT—Gfd, Hct, Mnd; S.R.—Crd, Glm, Hin, Liv.
- ROSACEAE ROSE FAMILY
- Agrimonia gryposepala* Wallr.** Agrimony
Uncommon. Moist, open or sparsely treed areas.
TRT—Dys, Stn; S.R.—Mnd.
- Amelanchier arborea* (Michaux f.) Fern.** Serviceberry
Rare. Two locations. Shrubby edge of parking lot, and lakeshore.
TRT—Glm, Lut.
- Amelanchier bartramiana* (Tausch) Roemer** Serviceberry
Rare. One location. Dry grassy hillside.
TRT—Mnd.

- Amelanchier laevis* Wieg.** **Smooth serviceberry**
Common. Roadsides, edges of woods, and open, often rocky sites.
TRT—Crd, Glm, Hbn, Hct, Mnd; S.R.—Dys.
- Amelanchier sanguinea* (Pursh) DC.** **Serviceberry**
var. *sanguinea*
Common. Rocky areas, road banks, lake edges, and open areas in woods.
TRT—Hct, Mnd, Shb; S.R.—Dys, Hin.
- var. *grandiflora* (Wieg.) Rehder**
Uncommon. Rocky shore, roadside, and woodland.
APM—Br; TRT—Dys, Mnd.
- Amelanchier spicata* (Lam.) K. Koch** **Serviceberry**
var. *spicata*
Uncommon. Three locations. High rock ridge, edge of woods, and forest clearing.
TRT—Glm, Hin, Mnd.
- var. *stolonifera* (Wieg.) Cinq-mars**
Rare. One location. Smooth, sloping rock shoreline.
TRT—Hin.
- Aronia prunifolia* (Marshall) Rehder** **Chokeberry**
A. melanocarpa (Michaux) Elliott (see Voss, 1985)
Common. Shores of lakes and ponds, edges of wet woods, and shrubby hillsides.
TRT—Ans, Gfd, Hin, Liv, Mnd, Shb, Sno.
- Crataegus macracantha* Lodd.** **Hawthorn**
var. *macracantha*
Uncommon. Shrub thickets beside roads, and edges of deciduous woods.
TRT—Dys, Mnd.
- var. *occidentalis* (Britton) Egglest.**
Rare. One location. Edge of open field adjacent to deciduous woods.
TRT—Mnd.
- Crataegus macrosperma* Ashe** **Hawthorn**
Fairly common. Fencerows and open meadows.
TRT—Dys, Mnd, Stn.
- Crataegus punctata* Jacq.** **Hawthorn**
Uncommon. Open fields and woods bordering farmlands.
TRT—Dys, Mnd.

- Crataegus schuettei* Ashe Hawthorn
Rare. One location. Sparsely wooded bank on sideroad.
TRT—Sno.
- Dalibarda repens* L. Dewdrops
Fairly common. Damp deciduous woods and wet thickets.
DFB—Ngt; TRT—Hct, Hin, Mnd, Shb, Stn.
- Filipendula rubra* (Hill) Robinson Queen-of-the-prairie
Rare. Two locations. Damp bank of ditch, and sedge meadow; escapes from cultivation. (+)
TRT—Gfd, Stn.
- Fragaria vesca* L. Wood strawberry
var. *americana* (Porter) Staudt
Uncommon. Small patches in clearings.
TRT—Lut, Stn.
- Fragaria virginiana* Miller Wild strawberry
Common. Roadsides, old fields, and open hillsides; chiefly on sandy soils.
APM—Ngt; TRT—Crd, Gfd, Hbn, Hct, Stn; S.R.—Glm, Sno.
- Geum aleppicum* Jacq. Yellow avens
var. *strictum* (Aiton) Fern.
Fairly common. Deciduous woods and damp open areas; on rich soils. (+)
TRT—Dys, Hct, Sno, Stn.
- Geum canadense* Jacq. White avens
Uncommon. Moist woods and clearings.
TRT—Crd, Hbn, Mnd.
- Geum laciniatum* Murray Avens
Rare. Two locations. Among shrubs beside swamp, and on sandy lakeshore.
TRT—Sno, Stn.
- Geum macrophyllum* Willd. Large-leaved avens
Rare. Two locations. Low gravelly lakeshore and damp roadside.
TRT—Hct, Mnd.
- Geum rivale* L. Purple avens
Uncommon. Wet meadows.
APM—Br; TRT—Dys, Stn.

- Malus pumila* Miller Apple
Pyrus malus L.
 Uncommon. Mixed woods and disturbed soil locations. (+)
 APM—Lwr; TRT—Crd, Gfd.
- Physocarpus opulifolius* (L.) Maxim. Ninebark
 Rare. One location. Open grassy bank, with other shrubs.
 TRT—Dys.
- Potentilla anserina* L. Silverweed
 Rare. One location. Edge of parking lot, on dry sand.
 TRT—Mnd.
- Potentilla argentea* L. Silvery cinquefoil
 Common. Open, dry sandy areas; roadsides, waste places, and shores. (+)
 TRT—Cly, Crd, Gfd, Hbn, Hin, Mnd, Stn.
- Potentilla inclinata* Villars Cinquefoil
 Uncommon. Moist roadside, and edges of disturbed open sites. (+)
 TRT—Crd, Sno.
- Potentilla norvegica* L. Rough cinquefoil
 Common. Roadsides, clearings in woods, and wet shores.
 TRT—Hbn, Hct, Sno, Stn; S.R.—Cly.
- Potentilla palustris* (L.) Scop. Marsh cinquefoil
 Fairly common. Swampy and marshy shorelines, and wet meadows.
 TRT—Dud, Gfd, Hct, Hin, Mnd; S.R.—Mon.
- Potentilla recta* L. Rough-fruited cinquefoil
 Common. Open areas on banks and roadsides, and clearings in woods. (+)
 TRT—Dys, Gfd, Hct, Mnd, Stn; S.R.—Crd, Sno.
- Potentilla simplex* Michaux Common cinquefoil
 Uncommon. Low, moist grassy sites; in creeping colonies.
 TRT—Hin, Mnd, Stn.
- Prunus nigra* Aiton Canada plum
 Uncommon. Edges of woods, and fencerows.
 APM—Ngt; TRT—Mnd.
- Prunus pensylvanica* L. f. Pin cherry
 Common. Roadsides, woodland slopes, and lake and stream banks; in pure stands or mixed with other trees and shrubs.
 TRT—Crd, Gfd, Hbn, Hct, Mnd; S.R.—Hin.

- Prunus serotina* Ehrh.** **Black cherry**
 Uncommon. Roadsides, old fields, sand flats, and occasionally mature woods (a species disappearing because of earlier cutting and current diseases).
 APM—Ngt; TRT—Mnd, Sno; S.R.—Mnd.
- Prunus virginiana* L.** **Choke cherry**
 Common. Roadsides among shrubs or deciduous trees, stream edges, and old fields.
 APM—Ngt; TRT—Hbn, Hct, Mnd, Shb.
- Rosa acicularis* Lindley** **Prickly wild rose**
 Uncommon. Open and sparsely treed areas.
 APM—Ngt; TRT—Glm.
- Rosa blanda* Aiton** **Smooth wild rose**
 Uncommon. On sand and clay or sand and gravel, in partly shaded locations.
 TRT—Dys, Mnd.
- Rosa eglanteria* L.** **Sweet-brier**
R. rubiginosa L.
 Rare. One location. Open meadow, with other shrubs. (+)
 TRT—Stn.
- Rosa multiflora* Thunb. ex Murray** **Many-flowered rose**
 Rare. One location. Edge of woods, with other shrubs, on sand and clay soil; escape from cultivation. (+)
 TRT—Mnd.
- Rosa palustris* Marshall** **Swamp rose**
 Uncommon. Wet shores in swampy or marshy sites; singly or in small colonies.
 TRT—Mnd; S.R.—Dud, Dys, McC.
- Rubus allegheniensis* Porter** **Common blackberry**
 Common. Open dry hillsides, sand flats, damp woods, and roadsides.
 TRT—Dud, Hct, Hin, Mnd, Shb; S.R.—Crd, Sno.
- Rubus canadensis* L.** **Smooth blackberry**
 Rare. Two locations. White-flowered plant in campsite, and pink-flowered plant on edge of low, damp woods.
 TRT—Crd, Gfd.

- Rubus flagellaris* Willd.** **Northern dewberry**
 Uncommon. Low creeping shrub on dry, open sandy or rocky sites.
 TRT—Crd, Mnd, Stn.
- Rubus hispidus* L.** **Swamp dewberry**
 Rare. One location. Gravel bank above wet valley.
 TRT—Stn.
- Rubus odoratus* L.** **Purple-flowering raspberry**
 Common. Shrubby roadside banks; in sandy, gravelly, or rocky ground.
 TRT—Crd, McC, Mnd; S.R.—Brt, Lut.
- Rubus pubescens* Raf.** **Dwarf raspberry**
 Common. Damp or wet woods, and open disturbed ground; on sand, clay, humus, or muck.
 TRT—Gfd, Hct, Liv, Mnd, Mon.
- Rubus setosus* Bigelow** **Bristly blackberry**
 Uncommon. Damp to dry sites, among grasses or low shrubs.
 TRT—Crd, Hct, Shb.
- Rubus strigosus* Michaux** **Wild red raspberry**
R. idaeus L. var. *strigosus* (Michaux) Maxim.
 Common. Shrubby, sandy open areas, roadsides, and fields.
 TRT—Hct, Mnd; S.R.—Cly, Crd, Dys, Sno.
- Sorbaria sorbifolia* (L.) A. Braun** **False spiraea**
 Rare. Two locations. Fencerow on sand, and partly shaded bank; escape from cultivation. (+)
 TRT—Dys, Stn.
- Sorbus americana* Marshall** **Mountain-ash**
 Fairly common. Wet or moist lakeshores, and roadsides with shrubs and young trees.
 APM—Ngt; TRT—Dud, Hbn, Hct, Liv, McC, Mnd.
- Sorbus decora* (Sarg.) C. Schneider** **Showy mountain-ash**
 Rare. Two locations. Rocky slope and damp lowland.
 DFB—Ngt; TRT—Hct.
- Spiraea alba* Du Roi** **Narrow-leaved meadowsweet**
 Uncommon. Open edges of wetlands and lakes, and moist fields.
 TRT—Crd, Dys, Hct, Shb; S.R.—Ans, Mon, Sno.

***Spiraea latifolia* (Aiton) Borkh.** **Broad-leaved meadowsweet**
S. alba Du Roi var. *latifolia* (Aiton) Dippel
 Common. Edges of marshes, lakes, and ponds, and open, sandy disturbed ground.
 TRT—Crd, Gfd, Hbn, Hct, Hin, Stn.

***Spiraea tomentosa* L.** **Steeple-bush**
 Common. Sandy shorelines, damp sandy ditches, roadsides, and open waste areas; usually with other low shrubs.
 APM—Ngt; TRT—Gfd, Hbn, Hct, Hin.

***Waldsteinia fragarioides* (Michaux) Tratt.** **Barren strawberry**
 Rare. Two locations. Old bush road, and low clay bank in leafy litter.
 TRT—Hbn, Liv.

FABACEAE **BEAN FAMILY**
***Coronilla varia* L.** **Crown-vetch**
 Rare. One location. Disturbed roadside. (+)
 TRT—Dys.

***Lathyrus latifolius* L.** **Everlasting pea**
 Rare. One location. Edge of woods beside road. (+)
 TRT—Crd.

***Lathyrus palustris* L.** **Vetchling**
var. *linearifolius* Ser.
 Rare. One location. Beside low swamp, on sand.
 TRT—Hbn.

***Lathyrus pratensis* L.** **Yellow vetchling**
 Rare. One location. Roadside among grasses. (+)
 TRT—Dys.

***Lathyrus sylvestris* L.** **Sweet pea**
 Rare. One location. Dry meadow with shrubs; escape from cultivation. (+)
 TRT—Hct.

***Lotus corniculatus* L.** **Bird's-foot trefoil**
 Uncommon. Clearings and roadsides; in dry, grassy or sandy areas. (+)
 TRT—Crd, Hct, Mnd.

***Medicago lupulina* L.** **Black medick**
 Uncommon. Roadsides and disturbed areas. (+)
 TRT—2 Dys, Gfd.

- Medicago sativa* L.** Alfalfa
 Uncommon. Open grassy areas and sandy roadsides. (+)
 TRT—Gfd, Stn.
- Melilotus alba* Medikus** White sweet clover
 Common. Sandy roadsides and old fields; often in large dense colonies. (+)
 TRT—Mnd, Stn; S.R.—Crd, Dys, Glm, Sno.
- Melilotus officinalis* (L.) Pallas** Yellow sweet clover
 Uncommon. Sandy roadsides. (+)
 TRT—Mnd, Stn.
- Robinia pseudo-acacia* L.** Black locust
 Rare. Two locations. Fencerow and river bank; on sandy soils. (+)
 TRT—Mnd, Stn.
- Trifolium aureum* Pollich** Hop clover
T. agrarium L.
 Common. Roadsides, dry open fields, and occasionally stream banks. (+)
 TRT—Crd, Dys, Gfd, Hct, Mnd, Stn.
- Trifolium hybridum* L.** Alsike clover
 Uncommon. Dry sites: roadsides, fields, and abandoned railroad tracks. (+)
 TRT—Dys, Mnd, Stn.
- Trifolium pratense* L.** Red clover
 Common. Clearings and old fields. (+)
 TRT—Dys, Hct, Hin, Mnd, Shb, Stn; S.R.—Ans, Sno.
- Trifolium repens* L.** White clover
 Common. Sandy roadsides, dry fields, and woodlands. (+)
 TRT—Dys, Hct, Mnd, Stn; S.R.—Glm.
- Vicia angustifolia* L.** Narrow-leaved vetch
V. sativa L. subsp. *nigra* (L.) Ehrh.
 Rare. Two locations. Damp ditch with grasses and sedges, and abandoned railroad tracks on gravelly soil. (+)
 TRT—Sno, Stn.
- Vicia cracca* L.** Cow vetch
 Common. Roadsides, and beside abandoned railroad tracks on sand and gravel. (+)
 TRT—Dys, Gfd, Hct, Shb, Stn; S.R.—Sno.

Vicia tetrasperma (L.) Schreber Four-sided vetch
Uncommon. Dry open sites: rock ridges and waste ground. (+)
APM—Ngt; TRT—Lut, Sno.

OXALIDACEAE

WOOD-SORREL FAMILY

Oxalis montana Raf. Wood-sorrel
Fairly common. Damp to swampy mixed woods.
TRT—Gfd, Hct, Mnd; S.R.—Crd.

Oxalis stricta L. Yellow wood-sorrel
Fairly common. Old lawns, driveways, and sandy roadsides.
TRT—Gfd, Mnd, Shb; S.R.—McC, Mnd.

GERANIACEAE

GERANIUM FAMILY

Geranium bicknellii Britton Bicknell's cranesbill
Uncommon. Clearings and sandy disturbed sites.
TRT—Lut, Shb, Stn.

Geranium robertianum L. Herb-robert
Uncommon. Sandy, partially shaded roadsides and grassy, thinly wooded slopes.
TRT—Crd, Mnd, Mon, Stn.

POLYGALACEAE

MILKWORT FAMILY

Polygala paucifolia Willd. Fringed polygala
Uncommon. Edge of damp woods, and wooded shores.
TRT—Ans, Shb; S.R.—Lut.

Polygala polygama Walter Milkwort
Rare. One location. Sandy ground by small lake.
CAN—Glm.

EUPHORBIACEAE

SPURGE FAMILY

Euphorbia cyparissias L. Cypress spurge
Rare. One location. Roadside in dense grass. (+)
TRT—Mnd.

Euphorbia glyptosperma Engelm. Spurge
Uncommon. Sand, gravel, and cinder areas, and rock ledges.
TRT—Dys, Lut, Mnd, Shb, Sno.

Euphorbia helioscopia L. Sun spurge
Rare. One location. Grassy open roadside. (+)
TRT—Dys.

***Euphorbia maculata* L.**

Wartweed, Spotted spurge

Rare. One location. Beside abandoned railroad track, in sand.

TRT—Dys.

CALLITRICHACEAE

WATER-STARWORT FAMILY

***Callitriche verna* L.**

Water-starwort

Uncommon. Pools and quiet streams.

TRT—Hct, Mnd; S.R.—Stn.

ANACARDIACEAE

CASHEW FAMILY

***Rhus radicans* L.**

Poison ivy

Uncommon. Dry gravel roadside on top of rocky hillside; very occasionally seen on edges of woods.

TRT—Mnd.

***Rhus typhina* L.**

Staghorn sumac

Common. Rocky outcrops, grassy hillsides, and dry open roadsides.

TRT—Mnd, Shb; S.R.—Ans, Lut, Stn.

AQUIFOLIACEAE

HOLLY FAMILY

***Ilex verticillata* (L.) A. Gray**

Winterberry

Fairly common. Banks of streams and lakes, and edges of marshes.

DAO—Shb; TRT—Hct, Mnd, Shb, Stn.

***Nemopanthus mucronata* (L.) Trel.**

Mountain holly

Common. Low, wet areas: often shores of lakes, ponds, and streams, and wet thickets.

TRT—Dud, Gfd, Hct, Hin, Mnd; S.R.—Liv.

CELASTRACEAE

STAFF-TREE FAMILY

***Celastrus scandens* L.**

Bittersweet

Rare. One location. Climbing on wire fence on open bank.

TRT—Mnd.

ACERACEAE

MAPLE FAMILY

***Acer negundo* L.**

Box-elder, Manitoba maple

Fairly common. Parks, lawns, and waste places. (+)

TRT—Dys.

***Acer pensylvanicum* L.**

Striped maple

Fairly common. Moist deciduous woods, shaded roadsides, and lake edges.

TRT—Crd, Gfd, Hbn, Hct, Hin, Shb.

***Acer rubrum* L.** **Red maple**

Common. Wet or damp deciduous or mixed woods, and swamps.

TRT—Dud, Dys, Gfd, Hbn, Hct, Mnd, Shb; S.R.—Ans, Hin, Stn.

***Acer saccharinum* L.** **Silver maple**

Uncommon. Low banks of lakes or streams; leaning over the water.

TRT—Mnd; S.R.—Sno.

***Acer saccharum* Marshall** **Sugar maple**

Common. In pure stands or in mixed forests; usually on leaf-covered, humus-rich soil; abundant throughout the county.

APM—Ngt; TRT—Hct, Mnd.

f. *rugelii* (Pax.) Palmer and Steyer.

Rare. Two locations. Edges of damp woods at roadsides.

TRT—2 Mnd.

***Acer spicatum* Lam.** **Mountain maple**

Fairly common. Edges of woods, banks, and partially open woodlands; on dry or moist soils.

TRT—Gfd, Hct, Mnd, Stn; S.R.—Hin.

BALSAMINACEAE

TOUCH-ME-NOT FAMILY

***Impatiens capensis* Meerb.**

Touch-me-not, Jewelweed

I. biflora Walter

Common. Damp or wet places, on muck or humus; usually in large colonies.

TRT—Crd, Gfd, Hct, Mnd, Shb, Stn; S.R.—Glm.

RHAMNACEAE

BUCKTHORN FAMILY

***Rhamnus alnifolia* L'Her.**

Alder-leaved buckthorn

Rare. One location. Low, damp ground between woods and bank of abandoned railroad track, with speckled alders.

TRT—Sno.

VITACEAE

GRAPE FAMILY

***Parthenocissus vitacea* (Knerr) A. Hitchc.**

Virginia creeper

Common. Creeping on roadsides, abandoned railroad tracks, and open rocky areas; climbing on trees and poles; occasionally spreading into deciduous woods among dead leaves.

APM—Lwr, Ngt; TRT—Dud, Dys, Hct, Lut, Mnd.

TILIACEAE

LINDEN FAMILY

Tilia americana L.

Basswood

Common. Scattered in deciduous or mixed woods and on roadsides; occasionally growing singly in cleared areas.

TRT—Dys, Hct, Mnd, Shb; S.R.—Crd, Hin, Lut.

MALVACEAE

MALLOW FAMILY

Malva moschata L.

Musk mallow

Uncommon. Open, dry sites with grasses and low herbs; in small colonies. (+)

APM—Ngt; TRT—Dys, Hct, Sno, Stn.

Malva neglecta Wallr.

Common mallow

Rare. One location. Vegetable garden. (+)

TRT—Mnd.

HYPERICACEAE

ST. JOHN'S-WORT FAMILY

Hypericum boreale (Britton) Bickn.

Northern St. John's-wort

Common. Wet, muddy or sandy edges of marshes and streams; in shallow water or on shore.

TRT—Dys, Gfd, Glm, Hbn, Hct, Hin, McC, Shb, Stn.

f. callitrichoides Fassett

Fairly common. A submersed form of *H. boreale* with differing leaf characters; sterile.

TRT—Hin, Shb; S.R.—Mnd.

Hypericum canadense L.

Canadian St. John's-wort

Common. Edges of streams and other low, open, damp to wet areas; usually on muck.

TRT—Hct, Hin, Shb, Sno; S.R.—Dys, Glm.

Hypericum ellipticum Hook.

Pale St. John's-wort

Common. On damp banks of creeks and rivers, and in bogs on floating masses of herbaceous plants.

TRT—Crd, Gfd, Hct, Hin, Mnd; S.R.—Stn.

Hypericum majus (A. Gray) Britton

Large St. John's-wort

Rare. One location. Edge of lake, in shallow water about 10 cm deep.

TRT—Stn.

Hypericum mutilum L.

Dwarf St. John's-wort

Rare. Two locations. Low, wet ground.

TRT—2 Shb.

***Hypericum perforatum* L.**

Common St. John's-wort

Common. Roadsides, fields, meadows, and open sandy areas; often in large colonies. (+)

TRT—Dys, Hct, Shb, Sno, Stn; S.R.—Ans, Cly, Crd, Glm, Sno.

***Triadenum fraseri* (Spach) Gleason**

Marsh St. John's-wort

T. virginicum (L.) Raf. subsp. *fraseri* (Spach) J. M. Gillett

Hypericum virginicum L. var. *fraseri* (Spach) Fern.

Common. Sandy edges of streams and lakes, and wet meadows, marshes, and bogs.

TRT—Dys, Gfd, Hbn, Hct, Hin, Stn; S.R.—Mon.

ELATINACEAE

WATERWORT FAMILY

***Elatine minima* (Nutt.) Fischer and C. Meyer**

Waterwort

Rare. Three locations. Submersed in shallow water of river, and emersed on sandy shoreline. Rare in Ontario (Argus et al., 1982–1987).

CAN—Hav or Shb; TRT—Stn; TRTE—Shb.

CISTACEAE

ROCKROSE FAMILY

***Lechea intermedia* Leggett**

Pinweed

Rare. One location. Sandy pockets in granite outcrop.

TRT—Hct.

VIOLACEAE

VIOLET FAMILY

***Viola adunca* Smith**

Hooked-spur violet

Rare. Two locations. Sandy banks in partial shade.

TRT—Crd, Sno.

***Viola blanda* Willd.**

Sweet white violet

Uncommon. Deciduous woods, rock depression on roadside, and edge of meadow in shade of spruce trees.

TRT—Hbn, Mnd; S.R.—Mnd.

***Viola canadensis* L.**

Canada violet

Common. Deciduous or mixed woods and partially wooded clearings.

APM—Brt; TRT—Dud, Dys, Gfd, Hbn, Hct, Mon, Stn.

***Viola conspersa* Reichenb.**

American dog violet

Fairly common. Damp and wet areas, open or shaded; on various soils.

TRT—Dys, Hbn, Hct, Mnd; S.R.—Crd.

***Viola cucullata* Aiton**

Blue marsh violet

Common. Damp to wet ditches at edges of woods, and sand or mud shores; often in large dense colonies.

TRT—Dys, Gfd, Hbn, Hct, Mnd, Stn; S.R.—Liv, Lut.

f. albiflora Britton

Blue marsh violet (white form)

Rare. One location. In a colony of mostly blue *V. cucullata* where colours ranged from white to deep blue.

TRT—Liv.

***Viola incognita* Brainerd**

Large-leaved white violet

Fairly common. Damp to wet deciduous woods, wet depressions, and wooded banks.

TRT—Hbn, Hct, Hin, Mnd, Mon; S.R.—Dys.

***Viola lanceolata* L.**

Lance-leaved violet

Common. Open sandy or rocky shores, and edges of woods.

DFB—Ngt; TRT—Ans, Gfd, Glm, Hin, McC, Shb, Stn.

***Viola nephrophylla* E. Greene**

Northern bog violet

Rare. Two locations. Mucky stream bed and rich woods.

TRT—2 Hbn.

***Viola pallens* (Banks ex DC.) Brainerd**

Northern white violet

V. macloskeyi F. E. Lloyd var. *pallens* (DC.) C. L. Hitchc.

Common. Damp or wet woods, banks, lake edges, lawns, and meadows.

TRT—Hbn, Hct, Hin, Stn; S.R.—Dys, Hin.

***Viola pubescens* Aiton**

var. *pubescens*

Downy yellow violet

Fairly common. Edges of deciduous woods and shaded roadsides; on humus or sand and gravel.

TRT—Dys, Hct, Mnd; S.R.—Dys.

var. *leiocarpa* (Fern. and Wieg.) Boiv.

Smooth yellow violet

V. eriocarpa Schwein.

Uncommon. Deciduous woods, on humus.

TRT—Dys, Gfd, Hbn.

***Viola renifolia* A. Gray**

Kidney-leaved violet

Fairly common. Damp mixed woods.

TRT—Dys, Gfd, Hbn, Hct, Hin, Mnd; S.R.—Crd, Glm.

***Viola selkirkii* Pursh ex Goldie**

Great-spurred violet

Fairly common. Damp to wet chiefly deciduous woods, and edges of streams.

TRT—Crd, Gfd, Hbn, Hct, Mnd; S.R.—Dys.

Viola septentrionalis E. Greene Northern blue violet
Common. Edges of woods, open woodlands, thickets, and sandy roadsides.
TRT—Dys, Gfd, Hbn, Hct, Mnd, Stn; S.R.—Hin.

f. *alba* Vict. and Rouss.

Rare. Two locations. Wet lumbering road and grassy park.
TRT—Dys, Hct.

Viola sororia Willd. Woolly blue violet
Uncommon. Open or shaded, damp or dry sites.
TRT—Gfd, Hbn, Hct, Stn.

Viola tricolor L. Johnny-jump-up
Rare. Two locations. Edge of damp woods and open ditch; escapes from cultivation. (+)
TRT—Ans, Dys.

THYMELAEACEAE MEZERUM FAMILY
Dirca palustris L. Leatherwood
Uncommon. Damp woods, and occasionally sparsely wooded hillsides.
DAO—Hct; TRT—Mnd; UWO—Glm; S.R.—Lut.

ELAEAGNACEAE OLEASTER FAMILY
Shepherdia canadensis (L.) Nutt. Buffalo-berry
Rare. Two locations. Woods at edges of small clearings.
TRT—2 Lut.

LYTHRACEAE LOOSETRIFE FAMILY
Decodon verticillatus (L.) Elliott Swamp loosestrife
var. *laevigatus* Torrey and A. Gray
Uncommon. In shallow water offshore or in floating mats in lakes; in dense colonies spreading by thick underwater stems.
TRT—Hin, Lut, Mnd.

Lythrum salicaria L. Purple loosestrife
Rare. Two locations. Low, wet sites among shrubs and grasses. (+)
TRT—Dys; S.R.—Shb.

MELASTOMACEAE MELASTOMA FAMILY
Rhexia virginica L. Meadow-beauty
Rare. One location. Damp sandy shore of small lake. Rare in Ontario (Argus et al., 1982–1987).
TRT—Hin.

ONAGRACEAE

EVENING PRIMROSE FAMILY

Circaea alpina L.

Smaller enchanter's nightshade

Fairly common. Wet or damp coniferous or mixed woods, and often edges of creeks or pools.

TRT—Gfd, Hbn, Hct, Mnd, Ngd.

Circaea quadrisulcata (Maxim.)

Enchanter's nightshade

Franchet and Savat.

C. lutetiana L. var. *canadensis* L.

Uncommon. Open coniferous woods and moist mixed woods.

TRT—Gfd, Lut, Stn.

Epilobium angustifolium L.

Fireweed

Common. Roadsides, wastelands, and edges of open, dry or wet clearings.

APM—Ngd; TRT—Crd, Dys, Gfd; S.R.—Glm, Hin, Sno.

Epilobium ciliatum Raf.

Willow-herb

Common. Moist to damp sites in open areas, often roadside ditches.

TRT—Brt, Gfd, Hct, Lut, Mnd, Shb, Stn.

Epilobium coloratum Biehler

Willow-herb

Rare. Two locations. Swampy water's edge and dry disturbed roadside.

TRT—Hct, Mnd.

Epilobium glandulosum Lehm.

Willow-herb

E. ciliatum Raf. subsp. *glandulosum* (Lehm.) Hoch and Raven

Rare. One location. Clearing in mixed woods, on bank.

TRT—Hbn.

Epilobium hirsutum L.

Hairy willow-herb

Rare. One location. Low, wet waste area. (+)

TRT—Stn.

Epilobium leptophyllum Raf.

Narrow-leaved willow-herb

Uncommon. Damp ditches and open sedge and grass areas.

APM—Cly; TRT—Crd, Mnd, Sno.

Epilobium palustre L.

Willow-herb

Rare. One location. Damp, flat open peninsula in lake.

TRT—Shb.

Ludwigia palustris (L.) Elliott

Water-purslane

Uncommon. Creeping on wet shores, and floating in adjacent shallow waters.

TRT—Crd, Sno; S.R.—Hin, Lut.

Oenothera biennis L. Evening primrose
Common. Roadsides, open hillsides, sand flats, and clearings in woods.
TRT—Hct, Mnd, Shb; S.R.—Brt, Crd, Dys, Glm, Sno.

Oenothera parviflora L. Small-flowered evening primrose
Uncommon. On sand and gravel on disturbed ground.
TRT—Dys, Hct, Hin, Stn.

Oenothera perennis L. Sundrops
Uncommon. Old fields and sandy or grassy lake edges.
TRT—Crd, Hct, Mnd, Stn.

HALORAGIDACEAE WATER-MILFOIL FAMILY
(HALORAGACEAE)

Myriophyllum alterniflorum DC. Water-milfoil
Fairly common. Quiet shallow water; in massed colonies with fruiting spikes emerged.
TRT—Crd, Dys, Mnd; S.R.—Gfd, Lut.

Myriophyllum exalbescens Fern. Water-milfoil
Rare. One location. Offshore in bay in water 80 cm deep; in massed colony with emerged fruiting spikes.
TRT—Gfd.

Myriophyllum farwellii Morong Water-milfoil
Uncommon. Offshore in lakes, bays, ponds, and wide streams; entirely submersed with fruiting bodies in leaf axils.
TRT—Crd, Hin, Lut, Mnd.

Myriophyllum spicatum L. Eurasian water-milfoil
Uncommon. Submersed plants in shallow water of lakes, with emerged flowering spikes; introduced and spreading. (+)
TRT—Crd, Mnd.

Myriophyllum tenellum Bigelow Water-milfoil
Uncommon. Near shoreline in sheltered bays of lakes and streams; emerged flowering stems.
APM—Lwr; DFB—McC; TRT—Liv, Stn.

Myriophyllum verticillatum L. Water-milfoil
Uncommon. Quiet shallow waters of lakes and bays; flowering spikes emerged.
TRT—Crd, Lut, Mnd.

***Proserpinaca palustris* L.**

Mermaid-weed

Rare. Two locations. In slow current of shallow river and in boggy pool; submersed plants with emerged flowering branches.

TRT—Dys, Mnd.

HIPPURIDACEAE

MARE'S-TAIL FAMILY

***Hippuris vulgaris* L.**

Mare's-tail

Uncommon. Offshore in quiet shallow water; entirely or partly submersed.

TRT—Crd, Hct, Shb.

ARALIACEAE

GINSENG FAMILY

***Aralia hispida* Vent.**

Bristly sarsaparilla

Fairly common. Edges of ponds, streams, and woods, and soil pockets on rocky lake banks; on damp sandy soils.

TRT—Cly, Hbn, Hin, Mnd, Shb.

***Aralia nudicaulis* L.**

Wild sarsaparilla

Common. Woods, partly shaded hillsides, and sandy disturbed sites.

TRT—Gfd, Hct, Shb, Stn; S.R.—Crd, Hin.

***Aralia racemosa* L.**

Spikenard

Common. Shrubby borders of woods and thickets.

TRT—Crd, Gfd, Hbn, Hct, McC, Mnd, Shb.

***Panax quinquefolius* L.**

Ginseng

Rare. Two locations. Maple forest on damp humus-rich soil, and edge of dense mixed woods.

TRT—Crd, Lut.

APIACEAE

PARSLEY FAMILY

(UMBELLIFERAE)

***Aegopodium podagraria* L.**

Goutweed

Rare. One location. Open, damp roadside; escape from cultivation. (+)

TRT—Mnd.

***Carum carvi* L.**

Caraway

Rare. Two locations. Sedge meadow and roadside with grasses. (+)

TRT—Mnd, Sno.

***Cicuta bulbifera* L.**

Water-hemlock

Fairly common. Wet sites: low open banks, stream edges, lakeshores, and swamps.

TRT—Crd, Dys, Gfd, Hct, Mnd; S.R.—Mon.

- Cryptotaenia canadensis* (L.) DC. Honewort
Rare. One location. Clearing in woods.
TRT—Gfd.
- Daucus carota* L. Queen Anne's-lace
Uncommon. Waste areas, and open sandy roadsides. (+)
TRT—Mnd, Stn.
- Heracleum mantegazzianum* Sommier and Levier Giant cow parsnip
Rare. One location. Dry roadside. (+)
TRT—Hct.
- Heracleum maximum* Bartram Cow parsnip
H. lanatum Michaux
Rare. Two locations. In mud-and-gravel ditch beside abandoned railroad,
and in rank vegetation on hillside.
APM—Ngt; S.R.—Hct.
- Hydrocotyle americana* L. Water-pennywort
Fairly common. Wet depressions in open sandy sites, and wet pockets of
moss on rocky slopes in woods.
TRT—Crd, Hbn, Shb, Stn.
- Osmorhiza claytoni* (Michaux) C. B. Clarke Sweet cicely
Fairly common. Bush roads, trails, and thin deciduous woods; often in
large colonies.
APM—Brt; TRT—Crd, Hct, Hin, Mnd.
- Pastinaca sativa* L. Wild parsnip
Rare. One location. Abandoned railroad tracks, in gravel and cinders. (+)
TRT—Sno.
- Pimpinella saxifraga* L. Burnet-saxifrage
Rare. One location. Low grassy bank beside road. (+)
TRT—Stn.
- Sanicula marilandica* L. Black snakeroot
Uncommon. On roadsides, at edges of woods, and beside bush paths; in
partial shade.
TRT—Crd, Dys; S.R.—Mnd.
- Sium suave* Walter Water parsnip
Uncommon. Low, wet shaded areas; sometimes in standing water, on mud
or muck.
TRT—Crd, Dys, Mnd; TRTE—Stn.

CORNACEAE

DOGWOOD FAMILY

Cornus alternifolia L. f.

Pagoda dogwood

Common. Shores of lakes and edges of deciduous or mixed woods.

TRT—Crd, Gfd, Hbn, Hct, Shb; S.R.—Hin, Lut.

Cornus canadensis L.

Bunchberry

Common. Deciduous and mixed woods and shaded banks.

TRT—Gfd, Hbn, Hct, Liv, Shb.

Cornus obliqua Raf.

Silky dogwood

C. amomum Miller subsp. *obliqua* (Raf.) J. S. Wilson

Rare. Two locations. Wet edge of small lake, and damp ditch; colonies large and dense.

TRT—Dys, Gfd.

Cornus rugosa Lam.

Round-leaved dogwood

Uncommon. At edges of woods, on high banks, or near water-lines.

TRT—Crd, Lut, Stn.

Cornus stolonifera Michaux

Red osier dogwood

Common. Stream banks, lake edges, and damp ditches.

TRT—Hct, Mnd, Shb; S.R.—Crd, Dys, Lut, Mon.

PYROLACEAE

PYROLA FAMILY

Chimaphila umbellata (L.) Barton

Pipsissewa

Uncommon. Sparsely wooded, usually rocky areas.

TRT—Hbn, Hct, Mnd, Shb; S.R.—Dys.

Moneses uniflora (L.) A. Gray

One-flowered wintergreen

Rare. Two locations. Mossy hummock in dense, wet cedar-balsam swamp, and cedar-black ash swamp.

TRT—Mnd; UWO—Glm.

Monotropa hypopithys L.

Pinesap

Uncommon. Damp deciduous woods, on moist humus.

TRT—Dys, Hin, Lut, Shb.

Monotropa uniflora L.

Indian-pipe

Fairly common. Cool mixed woods, on moist humus.

TRT—Hct, Mnd, Shb; S.R.—Dys, Hin, Liv.

Pyrola asarifolia Michaux

Pyrola

subsp. *asarifolia*

Rare. Two locations. Damp to wet mixed woods.

TRT—Crd, Mnd.

subsp. americana (Sweet) Krisa

P. americana Sweet

Rare. Two locations. Damp woods, on acid soil.

TRT—Crd, Shb.

***Pyrola chlorantha* Sw.**

Green pyrola

P. virens Schweigg.

Uncommon. Moist mixed woods.

TRT—Crd, Hct, Lut.

***Pyrola elliptica* Nutt.**

Shinleaf

Common. Tall forests, on humus; and drier, open coniferous or deciduous woods.

APM—Ngt; TRT—Crd, Gfd, Hct, Mnd, Mon, Shb.

***Pyrola secunda* L.**

One-sided pyrola

Orthilia secunda (L.) House

Fairly common. Damp coniferous or mixed woods, usually in deep shade.

DFB—Ngt; TRT—Dys, Hct, Shb.

ERICACEAE

HEATH FAMILY

***Andromeda glaucophylla* Link**

Bog-rosemary

A. polifolia L. subsp. *glaucophylla* (Link) Hultén

Fairly common. Bogs and low, shrubby borders of lakes and streams.

TRT—Ans, Crd, Dys, Hct, McC.

***Arctostaphylos uva-ursi* (L.) Sprengel**

Bearberry

Uncommon. Sandy pockets on rock outcrops.

TRT—Hct, Mnd.

***Chamaedaphne calyculata* (L.) Moench**

Leatherleaf

Common. Bogs and wet lakeshores.

TRT—Dud, Dys, Hbn, Hct, Shb; S.R.—Crd, Hin, Mon.

***Epigaea repens* L.**

Trailing-arbutus

Fairly common. Edges of deciduous woods, moss-covered pockets on rock ridges, and rocky shaded banks under conifers.

TRT—Crd, Gfd, Glm, Hbn, Shb; S.R.—Liv, Mon.

***Gaultheria hispidula* (L.) Muhlenb. ex Bigelow**

Creeping snowberry

Chiogenes hispidula (L.) Torrey and A. Gray

Fairly common. Damp, mostly coniferous woods and wet, shaded shorelines.

TRT—Dud, Hct, Mnd, Shb.

Gaultheria procumbens L. Wintergreen
Common. Damp coniferous or mixed woods and shaded mossy banks.
TRT—Crd, Gfd, Hct, Shb, Stn; S.R.—Dys, Hin.

Gaylussacia baccata (Wangenh.) K. Koch Black huckleberry
Rare. One location. Rocky shoreline, under tall shrubs.
TRT—Dud.

Kalmia angustifolia L. Sheep-laurel
Rare. Two locations. Edge of swamp and boggy area beside pond.
TRT—Dud, Hin.

Kalmia polifolia Wangenh. Bog-laurel
Common. Wet, boggy edges of lakes, ponds, and streams; often with other low shrubs on sphagnum.
TRT—Ans, Crd, Dys, Gfd, Liv, McC, Shb; S.R.—Hct, Hin.

Ledum groenlandicum Oeder Labrador tea
Fairly common. Swamps, bogs, and wet openings in coniferous woods; usually on sphagnum.
TRT—Dud, Hbn, Hct, Hin, McC, Mnd; S.R.—Mon.

Vaccinium angustifolium Aiton Low sweet blueberry
Fairly common. Rocky shores, rock knolls, open hillsides, and old bush roads.
TRT—Dys, Glm, Hbn, Hct; S.R.—Hin, Liv.

Vaccinium macrocarpon Aiton Large cranberry
Fairly common. Sphagnum mats in bogs, and boggy edges of small lakes.
TRT—Dys, Gfd, Hin, Shb.

Vaccinium myrtilloides Michaux Velvet-leaf blueberry
Common. Bogs and clearings in woods.
APM—Ngt; TRT—Crd, Dys, Gfd, Hbn, Hct, Mnd, Shb.

Vaccinium oxycoccus L. Small cranberry
Uncommon. Bogs and swamps; usually creeping over sphagnum mats.
TRT—Dys, Hct; S.R.—Hin, Mnd.

PRIMULACEAE PRIMROSE FAMILY
Lysimachia ciliata L. Fringed loosestrife

Steironema ciliatum (L.) Raf.
Rare. One location. Among shrubs on edge of woods.
TRT—Mnd.

***Lysimachia punctata* L.** Dotted loosestrife
Rare. Two locations. Open sandy sites at edges of woods. (+)
APM—Ngt; TRT—Mnd.

***Lysimachia terrestris* (L.) Britton, Sterns, and Pogg.** Swamp-candles
Common. Wet shorelines of lakes and ponds; on muck or sand.
APM—Cly; TRT—Crd, Gfd, Hct, Mnd, Shb, Stn.

***Lysimachia thyrsiflora* L.** Tufted loosestrife
Naumbergia thyrsiflora (L.) Duby
Fairly common. Marshes and bogs, and borders of streams, lakes, or ponds; on shore or in shallow water.
TRT—Gfd, Hct, Mnd; S.R.—Dys, Mon.

***Trientalis borealis* Raf.** Starflower
Common. Damp woods, wooded or open banks, and soil pockets on rocky ridges.
TRT—Dys, Gfd, Shb, Stn; S.R.—Glm, Hin, Liv.

OLEACEAE OLIVE FAMILY
***Fraxinus americana* L.** White ash
Fairly common. Deciduous or mixed woods.
APM—Brt; TRT—Dys, Hct, Mnd; TRTE—Ans.

***Fraxinus nigra* Marshall** Black ash
Fairly common. Wet lake edges and swamps.
TRT—Dud, Dys, Mnd; S.R.—Mon.

***Fraxinus pennsylvanica* Marshall** Red ash
Uncommon. Open deciduous woodlands.
APM—Brt; TRT—Hct, Shb, Sno.

***Syringa vulgaris* L.** Common lilac
Uncommon. Partially open woodlands; introduced and established. (+)
APM—2 Ngt; S.R.—Sno.

GENTIANACEAE GENTIAN FAMILY
***Gentiana linearis* Froelich** Narrow-leaved gentian
Uncommon. Damp grassy roadsides, partly shaded or open.
TRT—Hbn, McC, Sno.

***Menyanthes trifoliata* L.** Buckbean
Uncommon. Sphagnum mats in bogs and boggy edges of small lakes and slow streams.
TRT—Crd, Dys; S.R.—McC.

Nymphoides cordatum (Elliott) Fern.

Floating-heart

Uncommon. Quiet waters of ponds and bays, and quiet river backwaters; leaves floating on surface.

TRT—Gfd, Hin, Shb, Stn.

APOCYNACEAE

DOGBANE FAMILY

Apocynum androsaemifolium L.

Spreading dogbane

Common. Roadsides, rocky shores, and dry clearings.

TRT—Cly, Gfd, Hct, Hin, Mnd; S.R.—Ans, Ngf, Sno.

Apocynum cannabinum L.

Indian hemp

Rare. One location. Shrubby edge of gravel sideroad.

TRT—Mnd.

Vinca minor L.

Periwinkle

Rare. Two locations. Rocky roadside bank and large, flat grassy clearing; escapes from cultivation. (+)

TRT—Glm, Mnd.

ASCLEPIADACEAE

MILKWEED FAMILY

Asclepias incarnata L.

Swamp milkweed

Uncommon. Swamps, marshes, and low, wet banks.

TRT—Hbn, Hct, Mnd, Stn.

Asclepias syriaca L.

Common milkweed

Common. Dry or damp roadside ditches, open hillsides, and old fields.

TRT—Dys, Mnd, Stn; S.R.—Lut.

CONVOLVULACEAE

MORNING-GLORY FAMILY

Convolvulus arvensis L.

Field bindweed

Rare. Two locations. Open grassy bank and old farm field. (+)

TRT—Dys, Stn.

Convolvulus sepium L.

Hedge bindweed

Rare. Two locations. Dry sand flats and low, wet area.

TRT—Dys, Stn.

POLEMONIACEAE

PHLOX FAMILY

Phlox paniculata L.

Phlox

Rare. Two locations. Open grassy areas; escapes from cultivation, established. (+)

TRT—Mnd; S.R.—Hct.

- Phlox subulata* L.** Moss-pink
Rare. One location. Low roadside bank; escape from cultivation. (+)
TRT—Mnd.
- BORAGINACEAE** **BORAGE FAMILY**
- Cynoglossum boreale* Fern.** Wild comfrey
Rare. One location. Edge of woods above swamp.
TRT—Dys.
- Cynoglossum officinale* L.** Hound's-tongue
Uncommon. Dry roadsides and old dry fields. (+)
TRT—Hct, Mnd, Stn.
- Echium vulgare* L.** Viper's bugloss
Common. Waste areas, roadsides, and old fields. (+)
TRT—Mnd, Stn; S.R.—Crd, Dys, Mon.
- Hackelia americana* (A. Gray) Fern.** Stickseed
H. deflexa (Wahlenb.) Opiz var. *americana* (A. Gray) Fern.
Rare. One location. In dense growth of tall roadside plants.
TRT—Dys.
- Lappula squarrosa* (Retz.) Dumort** Prickly stickseed
L. echinata Gilib.
Rare. One location. Abandoned railroad tracks, on cinders and gravel. (+)
TRT—Dys.
- Lithospermum officinale* L.** Gromwell
Rare. Two locations. Dry, sandy waste area and open, damp ground beside swamp. (+)
TRT—Dys, Mnd.
- Myosotis arvensis* (L.) Hill** Forget-me-not
Uncommon. Damp ditches and open sandy areas. (+)
APM—Ngt; TRT—Hbn, Mnd.
- Myosotis scorpioides* L.** Forget-me-not
Rare. One location. Damp grassy area beside lake, on humus topsoil over sand. (+)
TRT—Dys.
- Symphytum officinale* L.** Common comfrey
Rare. One location. Open cleared area, on disturbed soil near garden; escape from cultivation. (+)
TRT—Mnd.

VERBENACEAE

VERVAIN FAMILY

Verbena hastata L.

Blue vervain

Uncommon. Dry fields and roadsides, and moist meadows.

TRT—Hct, Hin, Mnd; S.R.—Lut.

Verbena simplex Lehm.

Narrow-leaf vervain

Rare. One location. Abandoned railroad tracks, in cinders and gravel. (+)

TRT—Sno.

LAMIACEAE

MINT FAMILY

(LABIATAE)

Galeopsis tetrahit L.

Hemp-nettle

Common. Moist roadsides, open fields, and sandy hillsides. (+)

APM—Ngt; TRT—Hbn, Hct, Mnd, Shb, Stn.

var. *bifida* (Boenn.) Lej. and Court.

Fairly common. Open waste ground and sandy roadsides. (+)

TRT—Dys, Gfd, Hbn, Mnd.

Glechoma hederacea L.

Gill-over-the-ground

Uncommon. Moist edges of woods and driveways. (+)

TRT—Hct, Mnd; S.R.—Dys.

Leonurus cardiaca L.

Motherwort

Uncommon. Sparsely treed area on clay soil, and open areas on borders of disturbed waste ground; on dry or moist soils. (+)

TRT—Dys, Mnd, Stn.

Lycopus americanus Muhlenb. ex Bartram

Cut-leaved water-horehound

Common. Damp to wet areas: ditches, flats, and borders of lakes and streams; usually on sandy soil.

TRT—Crd, Dys, Gfd, Hct, Mnd.

Lycopus uniflorus Michaux

Bugleweed

Common. On sandy shorelines of lakes, rivers, and creeks, and sometimes in muck in bogs and marshes.

TRT—Crd, Gfd, Hbn, Hct, Shb, Sno.

Mentha arvensis L.

Wild mint

Common. Wet sandy shores, mud flats, and woodlands.

TRT—Gfd, Hbn, Hct, Shb, Stn.

- Mentha × piperita* L.** **Peppermint**
 = *M. aquatica* L. × *M. spicata* L.
 Rare. One location. Grassy edge of sand beach. (+)
 TRT—Stn.
- Monarda didyma* L.** **Oswego-tea**
 Rare. One location. In bramble thicket beside road; escape from cultivation. (+)
 TRT—Stn.
- Monarda fistulosa* L.** **Wild bergamot**
 Rare. Two locations. Open hillside among tall grasses, and dry, disturbed open ground at entrance to bush road.
 TRT—Crd, Mnd.
- Nepeta cataria* L.** **Catnip**
 Uncommon. Open, sandy waste sites. (+)
 TRT—Mnd.
- Prunella vulgaris* L.** **Heal-all, Selfheal**
 Common. Damp clearings in woods, and bush roads. (+)
 TRT—Gfd, Hbn, Hin, Shb, Stn; S.R.—Ans, Cly, Glm, Sno.
- Satureja acinos* (L.) Scheele** **Mother-of-thyme**
 Rare. One location. Abandoned railroad tracks, on crushed rock ballast. (+)
 TRT—Sno.
- Satureja vulgaris* (L.) Fritsch** **Wild basil**
 Fairly common. Damp woods, dry or moist roadsides, and meadows. (+)
 CAN—Crd; TRT—Hct, Stn; S.R.—Dys, Lut.
- Scutellaria galericulata* L.** **Common skullcap**
 Common. Stream edges among grasses and sedges, and mud flats.
 TRT—Crd, Gfd, Hct, Mnd; S.R.—Liv.
- Scutellaria lateriflora* L.** **Mad-dog skullcap**
 Common. Wet shores, swampy areas in woods, and occasionally sandy roadsides.
 TRT—Crd, Dys, Gfd, Hav, Hbn, Hct, Stn.
- Stachys palustris* L.** **Woundwort**
 var. *pilosa* (Nutt.) Fern.
 Rare. Two locations. Old road in woods, and open, disturbed sandy ground of old garden.
 TRT—Dys, Hct.

***Teucrium canadense* L.**

Germander

Rare. One location. Edge of low shrubby bank above lake.

TRT—Dys.

***Thymus praecox* Opiz**

Wild thyme

subsp. *arcticus* (E. Durand) Jalas

T. serpyllum auct. non L.

Rare. One location. On open hillside and along path through woods; in large, often dense patches. (+)

TRT—Sno.

SOLANACEAE

NIGHTSHADE FAMILY

***Physalis heterophylla* Nees**

Clammy ground-cherry

Rare. Two locations. Sand-and-gravel banks in disturbed areas.

TRT—Dys, Sno.

***Solanum dulcamara* L.**

Bittersweet nightshade

Uncommon. Edges of woods and disturbed sites. (+)

TRT—Gfd, Shb; S.R.—Crd.

***Solanum nigrum* L.**

Black nightshade

Uncommon. Sandy roadsides on edges of deciduous woods. (+)

TRT—Hbn, Mnd.

SCROPHULARIACEAE

FIGWORT FAMILY

***Chaenorrhinum minus* (L.) Lange**

Dwarf snapdragon

Rare. One location. Abandoned railroad tracks, on rock ballast. (+)

TRT—Sno.

***Chelone glabra* L.**

Turtlehead

Uncommon. Damp to wet shores, with low vegetation.

TRT—Sno; S.R.—Sno.

***Gratiola neglecta* Torrey**

Hedge-hyssop

Rare. Two locations. Wet sandbar, and damp depression on large, flat rock outcrop.

TRT—Hin, Mnd.

***Linaria vulgaris* Miller**

Butter-and-eggs, Toadflax

Common. Open sandy and gravelly ground. (+)

TRT—Dys, Shb, Stn.

- Lindernia dubia* (L.) Pennell False pimpernel
 Rare. One location. Low creek bank with sedges; in small dense colony partly in the water.
 TRT—Crd.
- Melampyrum lineare* Desr. Cow-wheat
 Uncommon. Rocky, open or wooded shores.
 TRT—Hin, Shb.
- Mimulus ringens* L. Monkey-flower
 Fairly common. Wet ditches, river banks, and lake edges.
 APM—Ngt; TRT—Crd, Dys, Hct; S.R.—Mnd, Sno.
- Scrophularia lanceolata* Pursh Hare figwort
 Rare. One location. Sandy, open waste ground.
 TRT—Mnd.
- Verbascum thapsus* L. Common mullein
 Common. Sandy waste ground, and dry, open roadsides. (+)
 TRT—Gfd, Hbn, Hct, Mnd, Shb; S.R.—Dys.
- Veronica americana* (Raf.) Schwein. ex Benth. American brooklime
 Uncommon. Edges of pools and streams, on muck or mud.
 TRT—Crd, Hbn, Hct, Mnd.
- Veronica anagallis-aquatica* L. Water speedwell
 Rare. One location. Cool, wet swampy ground beside spring.
 TRT—Dys.
- Veronica arvensis* L. Corn speedwell
 Rare. Two locations. Rocky bank in bed of moss, and dry sandy hillside.
 (+)
 TRT—Sno, Stn.
- Veronica officinalis* L. Common speedwell
 Uncommon. Rocky ground in mixed woods, and thin deciduous woods. (+)
 TRT—Dys, Mon, Shb.
- Veronica scutellata* L. Marsh speedwell
 Common. Damp sandy shores of lakes and streams, wet rocky shores, and mud flats.
 TRT—Crd, Hbn, Hct, Mnd, Shb.

***Veronica serpyllifolia* L.**

Thyme-leaved speedwell

Common. Shorelines, open meadows, roadsides, and lawns. (+)

APM—Brt; TRT—Crd, Hct, Mnd; S.R.—Lut.

OROBANCHACEAE

BROOM-RAPE FAMILY

***Epifagus virginiana* (L.) Barton**

Beechdrops

Rare. One location. Under tall beech trees in moist deciduous woods.

TRT—Dys.

LENTIBULARIACEAE

BLADDERWORT FAMILY

***Utricularia cornuta* Michaux**

Horned bladderwort

Common. Mud flats, floating bog mats, and boggy shores.

TRT—Crd, Dys, Gfd, Glm, Hin, McC, Shb.

***Utricularia geminiscapa* Benj.**

Twin bladderwort

Rare. One location. In quiet water 10 cm deep near shore of large pond; dense mass of underwater plants with 16 emerged flowering stems. Rare in Ontario (Argus et al., 1982–1987).

TRT—Shb.

***Utricularia gibba* L.**

Humped bladderwort

Fairly common. Floating bog mats, and bog or muck shorelines; usually in small numbers, but in one swamp growing densely on sedge and grass hummocks and covering more than half a hectare.

TRT—Crd, Dys, Glm, Hin, McC.

***Utricularia intermedia* Hayne**

Flat-leaf bladderwort

Fairly common. In large masses on boggy shorelines, and floating offshore in small shallow lakes and pools.

TRT—Dys, Hin, McC; S.R.—Mon, Shb.

***Utricularia minor* L.**

Northern bladderwort

Uncommon. In quiet, shallow stream backwaters, and sometimes creeping on wet flats and shores.

TRT—Crd, Glm, Lut, Mnd; S.R.—Dys.

***Utricularia purpurea* Walter**

Purple bladderwort

Common. Small lakes and ponds; in floating masses in water 60 cm or more deep, flowering in shallower water on bog mats and mucky shores.

DFB—Lwr, McC; TRT—Crd, Dys, Hin, Lut, Stn.

***Utricularia resupinata* B. D. Greene
ex Bigelow**

Upside-down bladderwort

Uncommon. Pools and shallow shorelines; on muck or soft mud.

APM—Lwr; TRT—Hbn, Shb.

- Utricularia vulgaris* L.** **Common bladderwort**
 Common. Quiet or slow-moving waters of lakes, streams, and pools; free floating, often in large masses.
 TRT—Crd, Dys, Hct, Lut, Mnd, Stn.

PLANTAGINACEAE **PLANTAIN FAMILY**
***Littorella americana* Fern.** **Littorella**

- L. uniflora* auct. non (L.) Ascherson
 Rare. One location. Sand spits near entrance of river into lake.
 CAN—Hav or Shb; MICH—Hav or Shb.

- Plantago lanceolata* L.** **English plantain**
 Common. Open roadsides and dry, open grassy areas; often numerous. (+)
 APM—Ngt; TRT—Crd, Dys, Gfd, Hbn, Hin, Shb; S.R.—Mnd.

- Plantago major* L.** **Common plantain**
 Common. Sandy roadsides and dry barren ground. (+)
 TRT—Dys, Hct, Shb; S.R.—Mnd.

- Plantago rugelii* Decne.** **Pale plantain**
 Rare. Two locations. Under trees and shrubs beside dried up swamp, and on roadside.
 TRT—Crd, Hbn.

- RUBIACEAE** **MADDER FAMILY**
***Cephalanthus occidentalis* L.** **Buttonbush**
 Uncommon. Edges of small lakes and rivers, in crowded shrub thickets.
 TRT—Ans, Dys, Hin.

- Galium aparine* L.** **Cleavers**
 Rare. One location. Dry grassy hilltop.
 TRT—Hct.

- Galium asprellum* Michaux** **Rough bedstraw**
 Uncommon. Edges of swamp pools and beside slow-moving creeks.
 TRT—Hbn, Hct; S.R.—Hin.

- Galium boreale* L.** **Northern bedstraw**
 Rare. One location. Sandy roadside; in dense colony in strip 75 m long.
 TRT—Dys.

- Galium brevipes* Fern. and Wieg.** **Bedstraw**
 Rare. Two locations. Sedge meadow beside stream, and wet clearing beside small lake.
 TRT—Gfd, Shb; S.R.—Mnd.

- Galium circaeazans* Michaux White wild licorice
Rare. Two locations. Deciduous and mixed woods.
TRT—Hct, Lut.
- Galium lanceolatum* Torrey Yellow wild licorice
Uncommon. Deciduous woods, on damp humus.
TRT—Crd, Dys; S.R.—Lut.
- Galium mollugo* L. Bedstraw
Rare. One location. Open area on roadside, with grasses and sedges. (+)
TRT—Stn.
- Galium obtusum* Bigelow Bedstraw
Rare. One location. Open grassy area at edge of lake.
TRT—Dys.
- Galium palustre* L. Bedstraw
Rare. One location. Wet sandy shore.
TRTE—Mnd.
- Galium tinctorium* L. Bedstraw
Fairly common. Low, wet ditches, marshy areas, and edges of small streams.
TRT—Glm, Hct, Shb, Stn; S.R.—Hin.
- Galium trifidum* L. Bedstraw
Uncommon. Wet edges of swamps, ponds, and creeks.
CAN—Crd; TRT—Crd, Dys, Shb; S.R.—Lut.
- Galium triflorum* Michaux Fragrant bedstraw
Common. On roadsides and hillsides, in damp openings in woods, and beside streams; on sandy soils.
TRT—Dys, Gfd, Hct, Liv, Mon; S.R.—Crd.
- Mitchella repens* L. Partridge-berry
Common. Mixed or deciduous woods; on rich, moist soils or on drier knolls.
TRT—Crd, Dud, Gfd, Hct, Hin, McC, Mnd, Shb, Stn.
- CAPRIFOLIACEAE HONEYSUCKLE FAMILY
Diervilla lonicera Miller Bush honeysuckle
Common. On rocky ridges and banks in partially wooded areas, and along bush roads; often in large colonies.
TRT—Gfd, Hbn, Hct, Mnd, Shb; S.R.—Liv, Lut, Sno.

- Linnaea borealis* L.** **Twinflower**
Common. Mixed woods; creeping over damp, leaf-covered humus, or with mosses on rocks.
TRT—Dud, Dys, Gfd, Hbn, Hct, Shb; S.R.—Crd, Glm.
- Lonicera × bella* Zabel** **Pretty honeysuckle**
= *L. tatarica* L. × *L. morrowii* A. Gray
Rare. One location. Sparse deciduous woods; introduced and well established in woods near dwelling. (+)
TRT—Dys.
- Lonicera canadensis* Bartram** **Fly honeysuckle**
Fairly common. Openings in deciduous and mixed woods, on moist humus.
TRT—Hbn, Hct, Mnd.
- Lonicera dioica* L.** **Glaucous honeysuckle**
Rare. Two locations. Mixed woods: on high rock ridge and in low, moist area.
TRT—Lut; S.R.—Mnd.
- Lonicera hirsuta* Eaton** **Hairy honeysuckle**
Rare. One location. Open, steep stony bank among low herbs and shrubs.
TRT—Mnd.
- Lonicera tatarica* L.** **Tartarian honeysuckle**
Rare. One location. Old farm, on dry soil in fencerow. (+)
TRT—Mnd.
- Sambucus canadensis* L.** **Common elderberry**
Uncommon. Damp hillside and wet edges of meadow and creek.
TRT—Gfd, Hct, Mnd.
- Sambucus pubens* Michaux** **Red-berried elder**
Common. Roadsides, hillsides, lake banks, and edges of mixed woods.
TRT—Crd, Gfd, Hct, Liv, Mnd; S.R.—Hbn, Hin.
- Symphoricarpos albus* (L.) S. F. Blake** **Snowberry**
Rare. One location. Partially wooded area on hilltop; in dense colony.
TRT—Mnd.
- Symphoricarpos occidentalis* Hook.** **Wolfberry**
Rare. One location. Dry grassy slope under sumac.
TRT—Glm.

***Triosteum perfoliatum* L.**

Feverwort

Rare. Two locations. Among scattered trees and shrubs on grassy edges of woods.

TRT—Dys; S.R.—Lut.

***Viburnum acerifolium* L.**

Maple-leaved viburnum

Uncommon. Moist deciduous woods on rich humus, and thin mixed woods.

TRT—Lut, Mnd; S.R.—Lut.

***Viburnum alnifolium* Marshall**

Hobble-bush

V. lantanoides Michaux

Common. Along roadsides in thickets, and on edges of woods; also found as nonblooming understory in tall woods.

DFB—Lwr; TRT—Dud, Gfd, Hct, Hin, Mnd.

***Viburnum cassinoides* L.**

Wild-raisin

Common. Wet thickets and low banks of lakes and streams.

TRT—Crd, Dys, Hct, Hin, Mnd, Shb, Stn.

***Viburnum lentago* L.**

Nannyberry

Uncommon. Banks and river edges with other tall shrubs, and low, wet meadows.

TRT—Dys, Gfd, Hin, Mnd; S.R.—Lut.

***Viburnum trilobum* Marshall**

High-bush cranberry

V. opulus L. var. *americanum* Aiton

Fairly common. Low, wet meadows and stream edges.

TRT—Crd, Hct, Mnd; S.R.—Dys, Lut, Sno.

VALERIANACEAE

VALERIAN FAMILY

***Valeriana officinalis* L.**

Garden heliotrope

Rare. Two locations. Areas of disturbed ground; escapes from cultivation. (+)

TRT—Dys; S.R.—Sno.

CUCURBITACEAE

GOURD FAMILY

***Echinocystis lobata* (Michaux) Torrey and A. Gray**

Wild cucumber

Rare. Two locations. Dry and moist waste sites.

TRT—Dys, Shb.

CAMPANULACEAE

HAREBELL FAMILY

Campanula aparinoides Pursh

Marsh bellflower

Uncommon. Marshy edges of slow-moving streams; partly reclining on sedges and grasses.

TRT—Hct, Mnd.

Campanula rapunculoides L.

Creeping bellflower

Uncommon. Banks and grassy roadsides. (+)

TRT—Dys, Stn.

LOBELIACEAE

LOBELIA FAMILY

Lobelia cardinalis L.

Cardinal-flower

Uncommon. Banks and wet edges of rivers and streams.

TRTE—McC; TRT—Mnd; S.R.—Hbn, Hin, Sno.

Lobelia dortmanna L.

Water lobelia

Common. Shallow water near shore in small lakes; on sandy bottoms, usually half emersed, but once seen flowering vigorously under water in a season of high water level.

CAN—Crd; TRT—Cly, Crd, Hbn, Hct, Hin, Shb; TRTE—Stn.

Lobelia inflata L.

Indian-tobacco

Common. Moist or dry roadsides, mixed forests, and open rocky terrain.

DFB—Lwr; TRT—Gfd, Hbn, Hct, Hin, Mnd, Shb.

Lobelia spicata Lam.

Pale-spike lobelia

Rare. One location. High grassy hill sparsely covered with trees and shrubs.

TRT—Dys.

ASTERACEAE

ASTER FAMILY

(COMPOSITAE)

Achillea millefolium L.

Yarrow

Common. Roadsides, old fields, and disturbed sites; on dry sandy soils.

TRT—Crd, Dys, Gfd, Hct, Hin, Stn; S.R.—Ans, Sno.

Ambrosia artemisiifolia L.

Ragweed

Common. Roadsides, in sand and gravel.

TRT—Dys; S.R.—Crd, Lut, Mnd.

Anaphalis margaritacea (L.) Benth. and

Pearly everlasting

Hook. f. ex C. B. Clarke

Common. Roadsides, sand flats, old fields, and damp ditches.

TRT—Crd, Gfd, Hct, Hin, Shb, Stn; S.R.—Brt, Cly, Glm.

- Antennaria neglecta* E. Greene Field pussytoes
 Fairly common. Dry roadsides, sandy slopes, meadows, and grassy soil
 pockets on rocks.
 TRT—Dys, Hbn, Hct, Stn.
- Antennaria plantaginifolia* (L.) Richardson Pussytoes
 Rare. One location. Dry open woodland.
 APM—Ngt.
- Anthemis cotula* L. Mayweed
 Uncommon. Roadsides, in sand and gravel. (+)
 TRT—Dys, Mnd, Sno.
- Arctium minus* (Hill) Bernh. Common burdock
 Fairly common. Open banks, roadsides, and borders of paths. (+)
 TRT—Hct, Mnd, Shb, Stn.
- Artemisia absinthium* L. Wormwood
 Rare. One location. Sandy waste ground. (+)
 TRT—Dys.
- Artemisia ludoviciana* Nutt. Mugwort
var. gnaphalodes (Nutt.) Torrey and A. Gray
 Uncommon. Sandy banks and dry open woods.
 TRT—Dys, Hbn, Hct; S.R.—Shb.
- Artemisia vulgaris* L. Mugwort
 Uncommon. Roadsides and waste areas. (+)
 APM—Ngt; TRT—Dys.
- Aster acuminatus* Michaux Acuminate aster
 Rare. Two locations. In a dense colony of more than six hundred plants,
 many nonflowering, in a damp sugar maple wood, and numerous in a
 sparse mixed wood.
 TRT—Dys, Shb.
- Aster ciliolatus* Lindley Fringed blue aster
 Rare. Two locations. Rocky wooded areas.
 TRT—Lut, Shb.
- Aster cordifolius* L. Heart-leaved aster
 Common. Deciduous or mixed open woodlands, and open roadsides; on
 dry or damp soils.
 TRT—Crđ, Gfd, Hbn, Hct, Hin, McC, Mnd, Shb.

- Aster ericoides* L. Heath aster
Rare. One location. Open, sandy, grassy flat beside road.
TRT—Sno.
- Aster lateriflorus* (L.) Britton Calico aster
Uncommon. Damp roadsides, river banks, and partially shaded sandy areas.
TRT—Crd, Lut, Sno, Stn.
- Aster macrophyllus* L. Large-leaved aster
Common. Wooded roadsides and edges of woods, on sand or humus; in large colonies, flowering sparsely.
TRT—Crd, McC, Mnd, Shb, Stn; S.R.—Cly.
- Aster nemoralis* Aiton Bog aster
Fairly common. Wet, boggy or marshy shores of ponds and lakes; often among shrubs or cat-tails.
DFB—Lwr; APM—Lwr; TRT—Dys, Gfd, McC, Shb.
- Aster novae-angliae* L. New England aster
Uncommon. Open waste areas and openings in woods.
TRT—Hbn, Hct, Sno; S.R.—Ans.
- Aster puniceus* L. Purple-stemmed aster
Fairly common. Wet ditches, swamp edges, and open damp areas.
TRT—Brt, Hct, Mnd, Shb; S.R.—Ans, Glm, Lut, Mon, Sno.
- Aster simplex* Willd. Tall white aster
A. lanceolatus Willd.
Common. Roadsides, depressions in woods, swamp edges, and semi-open, flat sandy sites.
TRT—Crd, Dys, Lut, Mnd, Mon, Shb; S.R.—Ans, Sno.
- Aster umbellatus* Miller Flat-topped aster
Common. Moist roadsides, open meadows, clearings, and shorelines; numerous across the county, often in large colonies.
TRT—Crd, Gfd, Hct, Hin, Lwr, McC, Shb, Stn; S.R.—Mon.
- Bidens beckii* Torrey Water-marigold
Fairly common. Quiet water up to 60 cm deep in streams, bays, and lake margins; on sand or mud bottoms; flowers and upper leaves emersed.
TRT—Crd, Hct, Mnd; S.R.—Dud, Dys.

- Bidens cernua* L.** **Nodding beggar's-ticks**
var. *cernua*
 Common. Low marshy or sandy edges of streams and lakes, damp ditches and wet meadows.
 TRT—Hct, Mnd, Stn; S.R.—Hin, Shb, Sno.
- var. *minima* (Huds.) Pursh**
 Uncommon. Wet mud or sand flats, and wet lake edges.
 TRT—Dys, Shb; S.R.—Glm.
- Bidens comosa* (A. Gray) Wieg.** **Leafy-bracted beggar's-ticks**
 Rare. One location. Wet shore, on sphagnum moss.
 TRT—Shb.
- Bidens connata* Muhlenb. ex Willd.** **Beggar's-ticks**
 Uncommon. Wet shores and mossy logs at shorelines.
 TRT—Crd, Hin; S.R.—Shb.
- Bidens discoidea* (Torrey and A. Gray) Britton** **Beggar's-ticks**
 Rare. Two locations. Edge of lake, and growing on partly emerged decaying logs in small creek. Rare in Ontario and in Canada (Argus et al., 1982–1987).
 TRT—Crd, Mnd.
- Bidens frondosa* L.** **Beggar's-ticks**
 Fairly common. Dry or damp waste areas, wet hollows, and sand flats.
 TRT—Dys, Gfd, Hbn, Shb, Stn; S.R.—Glm.
- Bidens tripartita* L.** **Beggar's-ticks**
 Uncommon. Boggy shores, and swampy places in woods.
 TRT—Crd, Mnd, Shb; S.R.—Dys.
- Bidens vulgata* E. Greene** **Beggar's-ticks**
 Rare. Two locations. Dry sandy roadsides.
 TRT—Dys; S.R.—Mnd.
- Centaurea maculosa* Lam.** **Spotted knapweed**
 Rare. Two locations. Edge of highway in sand and gravel, and dry sand-and-grass slope. (+)
 TRT—Cly, Sno.
- Chrysanthemum leucanthemum* L.** **Ox-eye daisy**
 Common. Roadsides, dry open banks, open wastelands, and old fields. Usually on dry soils. (+)
 TRT—Dys, Gfd, Hct, Mnd, Shb; S.R.—Crd, Mon.

- Cichorium intybus* L.** **Chicory**
 Fairly common. Dry roadsides and old fields; numerous and scattered. (+)
 TRT—Dys, Shb, Stn.
- Cirsium arvense* (L.) Scop.** **Canada thistle**
 Common. Dry and sandy, or moist and grassy roadsides. (+)
 TRT—Crd, Dys; S.R.—Brt, Cly, Mon.
- Cirsium vulgare* (Savi) Ten.** **Bull thistle**
 Common. Roadsides, old farmlands, and sand flats; soils various. (+)
 APM—Cly; TRT—Hct, Mnd, Stn; S.R.—Dys, Mon.
- Conyza canadensis* (L.) Cronq.** **Horseweed**
Erigeron canadensis A. Gray
 Fairly common. Sand flats, disturbed ground, and roadsides; often in large colonies.
 APM—Ngt; TRT—Crd, Dys, Hct; S.R.—Glm.
- Coreopsis grandiflora* Hogg ex Sweet** **Tickseed**
 Rare. One location. One clump in roadside ditch; escape from cultivation. (+)
 TRT—Sno.
- Crepis tectorum* L.** **Narrow-leaved hawk's beard**
 Rare. One location. Open sand flat. (+)
 TRT—Dys.
- Erechtites hieracifolia* (L.) Raf. ex DC.** **Pilewort**
 Uncommon. Dry or damp waste ground and sandy and gravelly roadsides.
 TRT—Dys, Gfd, Hct, Hin, Shb.
- Erigeron annuus* (L.) Pers.** **Daisy fleabane**
 Fairly common. Open hillsides, sparse woods, and roadside ditches.
 TRT—Crd, Dud, Hct, Mnd, Mon; S.R.—Ans, Sno.
- Erigeron philadelphicus* L.** **Common fleabane**
 Fairly common. Borders of woods, paths and roadsides, and shady lake banks.
 TRT—Dys, Gfd, Hct, Stn; S.R.—Lut.
- Erigeron strigosus* Muhlenb. ex Willd.** **Rough daisy fleabane**
 Uncommon. Open, sandy and rocky sites.
 TRT—Dys, Gfd, Hct, Hin, Stn; S.R.—Lut.

- Eupatorium maculatum* L.** Joe-Pye weed
Common. Low, damp or wet areas beside streams, ponds, and marshes, and wet roadside ditches.
TRT—Crd, Dud, Hct, Hin, Mnd, Shb; S.R.—Brt, Cly.
- Eupatorium perfoliatum* L.** Boneset
Common. Damp areas including roadside ditches, stream banks, swamp edges, and lakeshores.
TRT—Crd, Dys, Hct, Shb; S.R.—Mnd, Stn.
- Gnaphalium sylvaticum* L.** Cudweed
Uncommon. Dry sandy roadsides, gravel pits, and lakeshores; on open sites or in partial shade.
TRT—Brt, Hbn, Hct, Hin.
- Gnaphalium uliginosum* L.** Low cudweed
Uncommon. Sandy or muddy stream banks and damp lowlands.
TRT—Hct, Sno, Stn.
- Gnaphalium viscosum* Kunth** Cudweed
Rare. Two locations. Sparsely wooded bank and edge of bush road.
TRT—Gfd, Hin.
- Helianthus annuus* L.** Common sunflower
Rare. Two locations. Open, sandy grassy roadsides; escapes from cultivation.
TRT—Dys, Stn.
- Helianthus strumosus* L.** Woodland sunflower
Rare. Two locations. Damp clearings, with numerous low and tall herbs.
TRT—Gfd, McC.
- Helianthus tuberosus* L.** Jerusalem artichoke
Rare. Two locations. In dense colony in roadside ditch, and scattered on waste ground. (+)
TRT—2 Dys.
- Heliopsis helianthoides* (L.) Sweet** Rough ox-eye
H. scabra Dunal
Rare. One location. Old estate land, 10 to 20 plants.
APM—Ngt.
- Hieracium aurantiacum* L.** Orange hawkweed
Common. Fields, meadows, roadsides, and lakeshores. (+)
APM—Ngt; TRT—Crd, Gfd, Hct, Mnd, Shb; S.R.—Ans, Lut.

- Hieracium canadense* Michaux Canada hawkweed
Rare. Rocky sites, on shallow soil.
TRT—Hbn, Shb.
- Hieracium* × *floribundum* Wimmer and Grab. Hybrid hawkweed
= *H. caespitosum* Dumort. × *H. lactucella* Wallr.
Uncommon. Roadside ditches and shady banks; on sand or clay. (+)
TRT—Crd, Hct, Mnd.
- Hieracium pilosella* L. Mouse-ear hawkweed
Uncommon. Soil pocket on rock, wet sedge-and-grass border of lake, and open site in patch of low grass; plants few in number. (+)
TRT—2 Hin, Stn.
- Hieracium piloselloides* Villars Yellow hawkweed
H. florentinum All.
Uncommon. Waste areas and lawns. (+)
TRT—Dys, Sno; S.R.—Crd.
- Hieracium pratense* Tausch King devil
Uncommon. Dry banks, dry sand flats, and disturbed ground. (+)
TRT—Hbn, Shb, Stn; S.R.—Lut.
- Hieracium scabrum* Michaux Rough hawkweed
Common. Roadsides and gravel pits; on sandy soils.
TRT—Dys, Gfd, Hbn, Hct, McC.
- Lactuca biennis* (Moench) Fern. Wild lettuce
Fairly common. Roadside ditches, damp edges of woods, and dry, open sandy sites. Plants up to 4.3 m tall.
TRT—Gfd, Hct, Hin, McC, Mnd, Stn; S.R.—Dys, Sno.
- Lactuca canadensis* L. Wild lettuce
var. latifolia Kuntze
Rare. One location. Edge of woods adjacent to open mown lawn.
TRT—Mnd.
- Lactuca canadensis* L. Wild lettuce
var. longifolia (Michaux) Farw.
Rare. Two locations. In clearing, and with tall herbs on roadside.
TRT—Dys, Hbn.
- Lactuca hirsuta* Muhlenb. ex Nutt. Hairy lettuce
Rare. One location. Dry rocky point, on sparse soil.
TRT—Mnd.

- Lactuca serriola* L.** Prickly lettuce
 var. *integrata* Gren. and Godr.
 Rare. One location. Dry disturbed ground adjacent to parking lot. (+)
 TRT—Mnd.
- Leontodon autumnalis* L.** Fall dandelion
 Rare. One location. Grassy ditch beside highway. (+)
 TRT—Dys.
- Matricaria matricarioides* (Less.) Porter** Pineapple-weed
 Common. Edges of dry roadsides and driveways; usually in large colonies. (+)
 TRT—Dys, Stn; S.R.—Dys, Lut, Mnd, Sno.
- Petasites frigidus* (L.) Fries** Sweet coltsfoot
 var. *palmatus* (Aiton) Cronq.
P. palmatus (Aiton) A. Gray
 Rare. One location. Clearing in cedar-hemlock swamp.
 TRT—Mnd.
- Prenanthes alba* L.** White lettuce
 Rare. One location. Steep, clay river bank.
 TRT—Sno.
- Prenanthes altissima* L.** Tall white lettuce
 Fairly common. Dry roadsides, and damp roadways through woods.
 TRT—Crd, Gfd, Hbn, Hct, Hin, Stn.
- Rudbeckia hirta* L.** Black-eyed susan
 Common. Fields, sandy roadsides, disturbed ground, and occasionally damp edges of woods.
 TRT—Crd, Dys, Hct, Mnd, Shb, Stn.
- Rudbeckia laciniata* L.** Green-headed coneflower
 Rare. One location. Edge of woods on roadside. (+)
 TRT—Hbn.
- Rudbeckia serotina* Nutt.** Black-eyed susan
R. hirta var. *pulcherrima* Farw.
 Fairly common. Open fields, damp or dry roadsides, and edges of woods. (+)
 TRT—Dys, Hct, Mnd, Shb, Stn.

- Senecio pauperculus* Michaux** **Balsam ragwort**
 Uncommon. Grassy meadows in sandy loam, and edge of grassy area under shrubs.
 TRT—Dys, Mnd; S.R.—Lut.
- Solidago canadensis* L.** **Canada goldenrod**
 Common. Sandy roadsides, and edges of woods and fields.
 TRT—Crd, Gfd, Mnd, Shb; S.R.—Ans, Glm.
- Solidago graminifolia* (L.) Salisb.** **Grass-leaved goldenrod**
Euthamia graminifolia (L.) Nutt.
 Common. Meadows, fields, and edges of roads and woods; on dry or damp sandy soil.
 TRT—Brt, Crd, Gfd, Hbn, Hct, Mnd, Shb.
- Solidago hispida* Muhlenb.** **Hairy goldenrod**
 Uncommon. Dry or damp edges of woods, and roadside ditches.
 TRT—Gfd, Hin, Shb.
- Solidago juncea* Aiton** **Early goldenrod**
 Uncommon. Dry sandy edges of woods, and roadsides.
 TRT—Gfd, Hct, Shb.
- Solidago nemoralis* Aiton** **Gray goldenrod**
 Fairly common. Sandy roadsides and banks, and dry, grassy sand flats.
 TRT—Crd, Dys, Mnd, Stn; S.R.—Ans, Glm.
- Solidago rugosa* Aiton** **Rough-stemmed goldenrod**
 Common. Roadside ditches, open flats, and low banks; on dry or damp sandy soils.
 TRT—Crd, Gfd, Hbn, Hct, Hin, McC, Mnd, Shb.
- Solidago squarrosa* Muhlenb. ex Nutt.** **Stout goldenrod**
 Uncommon. Sandy roadsides and edges of woods.
 TRT—Crd, McC, Mnd.
- Solidago uliginosa* Nutt.** **Bog goldenrod**
 Common. Damp ditches and roadside depressions, with grasses and sedges; and edges of ponds, streams, bogs, and swamps.
 TRT—Brt, Crd, Dys, Hct, Hin, Mnd, Shb.
- Sonchus arvensis* L.** **Field sow-thistle**
 Uncommon. Damp meadows and edges of woods. (+)
 TRT—Hct, Dys; S.R.—Lut.

- Sonchus asper* (L.) Hill Spiny-leaved sow-thistle
 Uncommon. Grassy open sites and weedy roadsides. (+)
 TRT—Dys, Gfd; S.R.—Mnd.
- Sonchus oleraceus* L. Common sow-thistle
 Rare. Two locations. Dry roadside, and open grass area in town park. (+)
 TRT—Dys, Stn.
- Sonchus uliginosus* M. Bieb. Sow-thistle
 Rare. One location. Dry sandy border of highway. (+)
 TRT—Gfd.
- Tanacetum vulgare* L. Tansy
 Rare. Two locations. Low sandy bank and sparsely treed hilltop. (+)
 TRT—Sno, Stn.
- Taraxacum laevigatum* (Willd.) DC. Red-seeded dandelion
 Rare. Two locations. Dry road edges, in sand and gravel. (+)
 TRT—Mnd; S.R.—Dys.
- Taraxacum officinale* G. Weber Common dandelion
 Common. Open waste spaces of sparse vegetation and poor soil. (+)
 TRT—Lut, Shb, Stn.
- Tragopogon dubius* Scop. Goatsbeard
 Uncommon. Dry hillsides and open grassy roadsides. (+)
 TRT—Dys, Stn; S.R.—Ans.
- Tussilago farfara* L. Coltsfoot
 Uncommon. Dry gravelly roadsides and sandy banks; usually in small
 dense colonies. (+)
 TRT—Crd, Hav, Hct, Shb; S.R.—Mnd.

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LITERATURE CITED

APIOS (ACIDIC PRECIPITATION IN ONTARIO STUDY)

- 1981 Acid sensitivity survey of lakes in Ontario. Ontario Ministry of the Environment. APIOS Report 002/81:1-30.

ARGUS, G. W., K. M. PRYOR, D. J. WHITE, and C. J. KEDDY, eds.

- 1982- Atlas of the rare vascular plants of Ontario. Four parts. Ottawa, National
1987 Museum of Natural Sciences (looseleaf).

BRITTON, D. M.

- 1984 Checklist of Ontario pteridophytes. Part one: fern allies. Plant Press
2(4):95-99.
1985 Checklist of Ontario pteridophytes. Part two: ferns. Plant Press
3(1):14-23.

BROWN, D. M., G. A. MCKAY, and L. J. CHAPMAN

- 1974 The climate of southern Ontario. Environment Canada, Climatological
Studies 5:1-50.

CHAPMAN, L. J.

- 1975 The physiography of the Georgian Bay-Ottawa Valley area of southern
Ontario. Ontario Division of Mines, Geoscience Report 128:1-33.

DORE, W. G. and J. MCNEILL

- 1980 Grasses of Ontario. Agriculture Canada, Research Branch, Monograph
26:1-566.

DOUGLAS, R. J. W., ed.

- 1970 Geology and economic minerals of Canada. Geological Survey of
Canada, Economic Geology Report 1:1-838.

FERNALD, M. L.

- 1950 Gray's manual of botany. 8th ed. New York, American Book. 1632 pp.

GLEASON, H. A.

- 1952 The new Britton and Brown illustrated flora of the northeastern United
States and adjacent Canada. New York, Hafner Publishing.
3 vols. 1731 pp.

GLEASON, H. A. and A. CRONQUIST

- 1963 Manual of vascular plants of northeastern United States and adjacent
Canada. Toronto, Van Nostrand Reinhold. 810 pp.

GOUDGE, M. F.

- 1938 Limestones of Canada. Part IV. Ontario. Canada Department of Mines
and Resources, Mines and Geology Branch, Publication 781:1-362.

HOLMGREN, P. K. and W. KEUKEN

- 1974 Index herbariorum. Part I. The herbaria of the world. 6th ed. Regnum
Vegetabile 92:1-397.

JEGLUM, J. K., A. N. BOISSONNEAU, and F. V. HAAVISTO

- 1974 Toward a wetland classification for Ontario. Canadian Forestry Service,
Information Report 0-X-215:1-54.

LUER, C. A.

- 1975 The native orchids of the United States and Canada, excluding Florida.
New York, New York Botanical Garden. 360 pp.

- MORTON, J. K. and J. M. VENN
 1989 A synonymized checklist of the flora of Ontario—vascular plants (second draft August 1989). Waterloo, Ontario, by the authors. 153 pp.
- PRINGLE, J. S.
 1980 An introduction to wetland classification in the Great Lakes region. Royal Botanical Gardens, Technical Bulletin 10:1–11.
- REYNOLDS, N.
 1968 In quest of yesterday. Lindsay, Provisional County of Haliburton. 343 pp.
- ROWE, J. S.
 1972 Forest regions of Canada. Canadian Forestry Service, Publication 1300:1–172.
- SELL, P. D. and C. WEST
 1976 *Hieracium*. In Tutin, T. G., et al., eds., *Flora Europaea*. Cambridge, Cambridge University Press 4:358–410.
- SOPER, J. H. and M. L. HEIMBURGER
 1982 The shrubs of Ontario. Life Sciences Miscellaneous Publication. Toronto, Royal Ontario Museum. 495 pp.
- STAFLEU, F. A., C. E. B. BONNER, R. McVAUGH, R. D. MEIKLE, R. C. ROLLINS, R. ROSS, J. M. SCHOPE, G. M. SCHULZE, R. de VILMORIN, and E. G. VOSS, eds.
 1972 International code of botanical nomenclature adopted by the Eleventh International Botanical Congress, Seattle, August 1969. *Regnum Vegetabile* 82:1–426.
- VOSS, E. G.
 1972 Michigan flora. Part I. Gymnosperms and monocots. Cranbrook Institute of Science, Bulletin 55:1–488.
 1985 Michigan flora. Part II. Dicots (Saururaceae–Cornaceae). Cranbrook Institute of Science, Bulletin 59:1–724.
- WEBBER, J. M. and P. W. BALL
 1984 The taxonomy of the *Carex rosea* group (section *Thaestoglochin*) in Canada. *Canadian Journal of Botany* 62:2058–2073.
- WHITING, R. E. and P. M. CATLING
 1977 Distribution of the auricled twayblade orchid (*Listera auriculata* Wieg.) in Canada, and description of new stations in southern Ontario. *Canadian Field-Naturalist* 91:403–406.
 1986 Orchids of Ontario. Ottawa, CanaColl Foundation. 169 pp.

ADDITIONAL PUBLICATIONS CONSULTED IN IDENTIFICATION

- BEITEL, J.
1979 Clubmosses (*Lycopodium*) in North America. Bulletin of the American Fern Society 6(5):1-6.
- BRITTON, D. M. and J. H. SOPER
1966 The cytology and distribution of *Dryopteris* species in Ontario. Canadian Journal of Botany 44:63-78.
- CASE, F. W. C.
1964 Orchids of the western Great Lakes Region. Cranbrook Institute of Science, Bulletin 48:1-147.
- CATLING, P. M. and J. E. CRUISE
1974 *Spiranthes casei*: a new species from northeastern North America. Rhodora 76(808):526-536.
- CINQ-MARS, L.
1966 Mise au point sur les violettes (*Viola* spp.) du Québec. Naturaliste canadien 93:895-958.
- CRINS, W. J.
1983 Nomenclature update of yellow *Oxalis*. Plant Press 1:14.
- CROW, G. E. and C. B. HELLQUIST
1981 Aquatic vascular plants of New England. Part 2. Typhaceae and Sparganiaceae. New Hampshire Agricultural Experiment Station Bulletin 517:1-21.
1982 Aquatic vascular plants of New England. Part 4. Juncaginaceae, Scheuchzeriaceae, Butomaceae, Hydrocharitaceae. New Hampshire Agricultural Experiment Station Bulletin 520:1-20.
1983 Aquatic vascular plants of New England. Part 6. Trapaceae, Haloragaceae, Hippuridaceae. New Hampshire Agricultural Experiment Station Bulletin 524:1-26.
1985 Aquatic vascular plants of New England. Part 8. Lentibulariaceae. New Hampshire Agricultural Experiment Station Bulletin 528:1-22.
- FASSETT, N. C.
1956 A manual of aquatic plants, rev. by E. C. Ogden. Madison, University of Wisconsin Press. 405 pp.
- HAYNES, R. R.
1974 A revision of North American *Potamogeton* subsection *Pusilli*. Rhodora 76(808):564-649.
- HELLQUIST, C. B. and G. E. CROW
1980 Aquatic vascular plants of New England. Part 1. Zosteraceae, Potamogetonaceae, Zannicheliaceae, Najadaceae. New Hampshire Agricultural Experiment Station Bulletin 515:1-68.
1981 Aquatic vascular plants of New England. Part 3. Alismataceae. New Hampshire Agricultural Experiment Station Bulletin 518:1-32.
1982 Aquatic vascular plants of New England. Part 5. Araceae, Lemnaceae, Xyridaceae, Eriocaulaceae, and Pontederiaceae. New Hampshire Agricultural Experiment Station Bulletin 523:1-46.

- 1984 Aquatic vascular plants of New England. Part 7. Cabombaceae, Nymphaeaceae, Nelumbonaceae, and Ceratophyllaceae. New Hampshire Agricultural Experiment Station Bulletin 527:1-27.
- HICKEY, J.
1977 The *Lycopodium obscurum* complex in North America. American Fern Journal 67:45-48.
- HOSIE, R. C.
1973 Native trees of Canada. 7th ed. Ottawa, Canadian Forestry Service. 380 pp.
- JONES, A. G. and P. HIEPKO
1981 The genus *Aster* s.l. (Asteraceae) in the Willdenow Herbarium at Berlin. Willdenowia 11:360-363.
- McKAY, S. M.
1973 A biosystematic study of the genus *Amelanchier* of Ontario. M.Sc. thesis, University of Toronto. 255 pp.
- MORAN, R. C.
1983 *Cystopteris tenuis* (Michx.) Desv.: a poorly understood species. Castanea 48:218-223.
- MORTON, J. K.
1974 The giant cow parsnip *Heracleum mantegazzianum* in Canada. Canadian Field-Naturalist 89:183-184.
- PHIPPS, J. B. and M. MUNIYAMMA
1980 A taxonomic revision of *Crataegus* (Rosaceae) in Ontario. Canadian Journal of Botany 58:1621-1699.
- PRINGLE, J. S.
1968 The common *Solidago* species (Goldenrods) of southern Ontario. Royal Botanical Gardens, Bulletin 3:1-14.
1976 The trilliums of Ontario. Royal Botanical Gardens, Bulletin 5:1-31.
1981 The common *Aster* species of southern Ontario. Royal Botanical Gardens, Bulletin 2:1-15.
- REZNICEK, A. A. and R. S. BOBBETTE
1976 The taxonomy of *Potamogeton* subsection *Hybridi* in North America. Rhodora 78(816):650-672.
- RILEY, J. L.
1979 Ontario's pondweeds (genus *Potamogeton*). Ontario Field Biologist 3(2):1-26.
- RUSSELL, N.
1965 Violets of central and eastern United States. Sida 2(1):1-111.
- SCOGGAN, H. J.
1978- The flora of Canada. Ottawa, National Museums of Canada. 4 vol.
1979
- SEMPLE, J. C. and G. S. RINGIUS
1983 The goldenrods of Ontario: *Solidago* L. and *Euthamia* Nutt. University of Waterloo Biology Series 26:1-84.
- SIMPSON, R. C. and P. M. CATLING
1978 A new natural hybrid orchid from Ontario. Canadian Field-Naturalist 92:350-358.

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