Here are the raw data for the vegetation zonation of Axe Lake collected in 1979 prepared by Paul Keddy in 2018

When I was a young professor at the University of Guelph, I spent some years, and particularly the early summer of 1979, looking for the best example I could find of vegetation zonation in a wetland on a shoreline. I expected to find it on the Great Lakes, but after fruitless searches, the lakes then being in a high-water phase, I explored some interior lakes, including Axe Lake. As I recall, I was led there by an herbarium specimen of *Rhexia viriginica* that indicated the presence of wet meadows with rare plants. At that time, the north end of the lake was relatively pristine, with access mostly via boat from an old road leading to an abandoned causeway at the southeast end of the lake. The general ecology of this lake and its flora are described here:

Keddy, P.A. 1981. Vegetation with Atlantic coastal plain affinities in Axe Lake, near Georgian Bay, Ontario. Canadian Field Naturalist 95:241 248.



FIGURE 3. The shoreline vegetation at the north end of Axe Lake in a sand shoreline type. Note the gently sloping sand exposed by falling summer water levels. The vegetation types from left to right (above to below waterline) are (1) Betula papyrifera (White Birch) and Pinus strobus (White Pine) forest, (2) a band of shrubs, principally Myrica gale, (3) open sand with Rhynchospora fusca, Lobelia dortmanna, Eriocaulon septangulare, Drosera intermedia, and Utricularia cornuta (at peak of flower — see lower left of picture), (4) emergents such as Scirpus torreyi mixed with E. septangulare and L. dortmanna, and (5) open water supporting Scirpus subterminalis, Nympoides cordata, E. septangulare, and L. dortmanna.

(for a colour version of this photo see *Plant Ecology* 2017 Figure 3.18)

The following data describe the vegetation zonation of the lake along two gradients: elevation (based upon water depth and elevation surveys with an automatic level) and exposure to waves (from a protected bay in the east to an exposed shoreline in the west. Each page represents one transect, going from upper to lower elevations (left to right) – the plant names make this progression obvious. There are 25 transects, each with 20 elevation ranges (beginning 0.5 m above the waterline), for a total of 500 discrete sample units. Each of these sample units can be treated as a quadrat, but strictly speaking they are not, since one dimension of the quadrat is 0.5 m wide, while the other represents a 5 cm elevation range. For each elevation range in each transect, a list of species present and absent is given as 1 and 0. The transects are numbered from 1 (most exposed to waves) to 25 (least exposed to waves.) The sampling methods are described in more detail in the following paper (and three extracted pages follow this introduction.)

Keddy, P.A. 1983. Shoreline vegetation in Axe Lake, Ontario: Effects of exposure on zonation patterns. Ecology 64: 331 344.

Here are a few profile sketches of the transects. In this figure, 'sand' refers to the transects most exposed to waves, while 'peat' transects are least exposed to waves. In each case, the upper level of the transect is dominated by shrubs, while the lower level of the transect is dominated by aquatic plants.

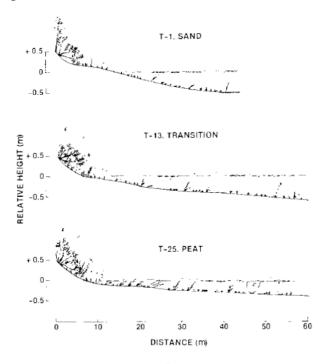


FIGURE 4. Diagrammatic profiles through transects representing the three main shoreline types studied. Note the increasing plant cover from sand through transition to peat shorelines.

All of these plants were documented by herbarium specimens confirmed by experts. I was careful about this work. In some cases—particularly noteworthy species—duplicates were sent to Agriculture Canada and the University of Toronto Herbarium. (Note that you should not look for my personal supporting specimens. Many of the original specimens were lost when I became ill

in the late 1980s. I was unable to care for the herbarium in my lab, and some specimens were consumed by insects. When the University of Ottawa shut down my lab, both specimens, seed collections, and some raw data were simply thrown into trash bins. The data here were among those I rescued on a one day visit.)

These data were scanned in 2018 from computer printouts kept in my personal archives. This data set is still likely one of the best for documenting vegetation zonation along an elevation gradient in a shoreline wetland. They therefore illustrate the many types of wetland (and aquatic) vegetation found in the Georgian Bay area. Their initial significance for plant ecology is described in the above 1983 paper, and the longer term significance in relation to more recent zonation studies is summarized in the following book in a section titled "Empirical studies of patterns along gradients" on pages 441-448.

Keddy, P.A. 2017. *Plant Ecology: Origins, Processes Consequences*. Cambridge University Press, Cambridge, UK. 604 p.

Axe Lake was also the site for many other studies over nearly a decade. Some of the relevant papers are in the following list. The full list can be found on my web site www.drpaulkeddy.com. Scott Wilson was the graduate student who carried out much of the experimental work. He became a professor of plant ecology, and is now retired.

Keddy, P.A. 1982. Quantifying within lake gradients of wave energy: Inter relationships of wave energy, substrate particle size and shoreline plants in Axe Lake, Ontario. Aquatic Botany 14:41-58.

Wilson, S. D., P.A. Keddy, and D. L. Randall. 1985. The distribution of *Xyris difformis* Chapman along an environmental gradient: an experimental study. Canadian Journal of Botany 63:1226-1230.

Wilson, S. D. and P.A. Keddy. 1985. The shoreline distribution of *Juncus pelocarpus* along a gradient of exposure to waves: an experimental study. Aquatic Botany 21:277-284.

Keddy, P.A. 1985. Wave disturbance on lakeshores and the within-lake distribution of Ontario's Atlantic coastal plain flora. Canadian Journal of Botany 63:656-660.

Wilson, S. D. and P.A. Keddy. 1985. Plant zonation on a lakeshore gradient: physiological response curves of component species. Journal of Ecology 73:851-860.

Wilson, S. D. and P.A. Keddy. 1986. Species competitive ability and position along a natural stress/disturbance gradient. Ecology 67:1236-1242.

Wilson, S. D. and P.A. Keddy. 1986. Measuring diffuse competition along an environmental gradient: results from a shoreline plant community. The American Naturalist 127: 862-869.

Wilson, S. D. and P.A. Keddy. 1988. Survivorship, biomass accumulation and species richness along an environmental gradient. Oikos 53:375-380.

Keddy, P.A. 1989. Effects of competition from shrubs on herbaceous wetland plants: a four year field experiment. Canadian Journal of Botany 67: 708-716.

In addition, when I worked at the University of Ottawa (1982-1999) we sometimes collected living plants from Axe Lake for use in research there. For example, seeds and adult plants from Axe Lake were used screening for life history traits, in work such as:

Shipley, B., P.A. Keddy, D.R.J. Moore and K. Lemky. 1990. Regeneration and establishment strategies of emergent macrophytes. Journal of Ecology 77: 1093-1110.

McCanny, S. J., P.A. Keddy, T. J. Arnason, C.L. Gaudet, D.R.J. Moore and B. Shipley. 1990. Fertility and the food quality of wetland plants: a test of the resource availability hypothesis. Oikos 59: 373-381.

There is one more reason the data are important. I have not visited the site in more than a decade. Sadly, I am told that there is now a cottage development on the lake, and the north shore has been badly damaged by all terrain vehicles. Hence, it would no longer be possible to collect such data, and given the pace of development in the Muskoka area overall, this data set may be the best record we have of the original vegetation of gently sloping shorelines on lakes east of Georgian Bay.

If you wish to put these data into a regional conservation context, my web page on this topic is http://www.drpaulkeddy.com/conserv_ontarioacpflora.html. The key reference paper is:

Keddy, C.J. and M.J. Sharp. 1994. A protocol to identify and prioritize significant coastal plain plant assemblages for conservation. Biological Conservation 68: 269-274.

I wish you well with further use of these data.

Regards, Paul Keddy, Ph.D., FSWS, MSM.

munities along environmental gradients: intertidal invertebrates (Connell 1961, Underwood 1978b, Lubchenco 1980), birds on mountainsides (Terborgh 1971, Diamond 1973), mosses in bogs (Vitt and Slack 1975), vascular plants in salt marshes (Pielou and Routledge 1976), desert cacti (Yeaton and Cody 1979), mangroves on shorelines (Rabinowitz 1978), trees on altitudinal gradients (Whittaker 1956), and insects on altitudinal gradients (Dearn 1977).

The independent variable will be exposure. Exposure is clearly correlated with environmental disturbance, and it is therefore possible first to test the intermediate disturbance hypothesis (Connell 1978, Huston 1979, Sousa 1979), which predicts that species richness should peak at intermediate levels of environmental disturbance. By studying these gradients, however, it is possible to determine not only whether disturbance affects the number of species, but whether it affects their interactions. Two questions can be asked: (1) Does environmental disturbance affect the mean niche width of lakeshore assemblages? (2) Does environmental disturbance affect the degree to which groups of lakeshore species share similar upper or lower depth limits? Thus, it is possible to determine whether environmental disturbance affects either the degree of specialization of species, or their tendency to occur in discrete "communities."

The effects of exposure may also be summarized in the terminology of Sanders (1968), who proposed that communities could be arranged along a gradient from "biologically accommodated" to "physically controlled" conditions. The former refers to communities where physical conditions are rather constant, and physiological stress arises predominantly from biological interactions (e.g., competition). The latter refers to communities where physiological stress results primarily from physical factors (e.g., fluctuations in temperature or salinity), and thus where biological interactions are less important. Grime (1977) has recently proposed that two distinct sets of such physical factors influence plants: disturbance and stress. The former is associated with partial or total destruction of plant biomass; the latter is associated with conditions that restrict production (e.g., shortages of light, water, or mineral nutrients). He concludes that plants have different adaptive strategies for these two types of physical control. Both of these factors are likely correlated with exposure, since more exposed shores are not only more disturbed, but tend to have coarse nutrient-poor substrates; the fine, nutrient-rich particles and organic matter are removed and deposited in sheltered areas (e.g., Pearsall 1920, Spence 1967, Hutchinson 1975, Keddy 1982). Huston (1979) has emphasized that the balance between frequency of disturbance and rate of competitive displacement should ultimately determine the species composition of an assemblage. The rate of competitive displacement, in turn, is a function of growth rates of competitive dominants. Lakeshores

with high disturbance have nutrient-poor sediments, and therefore low potential for plant growth. Any decreases in nutrient availability with increasing exposure therefore ought to accentuate, not mask, the effects of disturbance.

The object of this paper, therefore, is to examine the effect of exposure on zonation patterns. While many studies have examined one gradient, only a few (such as Whittaker 1956) have shown how a second gradient (topography) interacts with a first (altitude). By quantitatively examining how species distributions along a relative height gradient interact with a gradient of increasing wave energy (exposure), I will examine the following questions regarding species composition on lakeshores.

- 1) Does increasing exposure affect species richness? (I will show that richness peaks at an intermediate level of exposure.)
- 2) Does increasing exposure affect the mean niche width of a lakeshore assemblage? (I will show that mean niche width is neither a function of exposure nor of species richness.)
- 3) Does increasing exposure affect the degree to which groups of species share similar upper or lower depth limits? (I will show that the upper limits of species are clustered, as are the lower limits, thereby producing discrete communities along the relative height gradient. The arrangement of clustering changes significantly with exposure.)

In presenting the results, however, the distribution patterns of selected shoreline species will be examined first. This will not only provide some general natural history of the community concerned, but will aid in interpreting the answers to questions 1 through 3.

Description of study area

Axe Lake occurs along the boundary of Parry Sound District and Muskoka District east of Georgian Bay in Ontario, Canada, ≈20 km northwest of the town of Huntsville (Fig. 1). It is an extremely shallow lake with a sandy bottom and very gently sloping shorelines. Most of the upper shoreline is dominated by ericaceous shrubs, often with an adjacent zone of emergent herbaceous species. During the spring, the gently sloping sand shores are covered in water, but as the summer progresses, expanses of open sand and herbaceous vegetation are exposed by falling water levels. Floating bog mats are found around the southern shore. Near the north end is an open sandy area which grades into peat bog shoreline to both the east and the west. Many other small lakes in the area are entirely surrounded by floating bog mats. This gradation from open sand to peat bog was the primary study area. There are marked changes in the species composition of shoreline vegetation along this gradient (Keddy 1981).

The geological history and floristics of Axe Lake are discussed in more detail in Keddy (1981). The lake is a remnant of the former shoreline of glacial Lake Al-

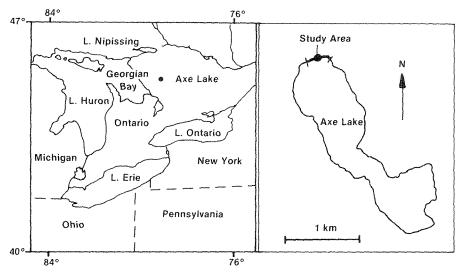


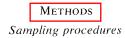
Fig. 1. Location of Axe Lake and the study area.

gonquin, and the flora has affinities to the Atlantic coastal plain of eastern North America. The open sandy shores of Axe Lake support species such as: *Rhexia virginica*, *Xyris caroliniana*, *Juncus militaris*, *Nymphoides cordata*, *Muhlenbergia uniflora*, and *Rhynchospora capitellata*, which are considered rare in Ontario (Argus and White 1977). These and other species are largely restricted to the Georgian Bay area of Ontario (Keddy and Reznicek 1982), with other disjunct concentrations on the southern end of Lake Michigan (Peattie 1922) and the sand barrens of northwestern Wisconsin (McLaughlin 1932).

The exposure gradient

The size of waves reaching a shoreline will be influenced by many factors including fetch, wind speed, wind duration, and water depth (Keddy 1982). Climatic data show two principal wind directions in this area of Ontario: from the northwest, and from the south. The study area (Fig. 1) has a range of wave energy regimes as a result. The maximum amount of exposure in the study area would be expected at the extreme north end of the lake where the shoreline faces due south and is exposed to south winds with a fetch of at least 1 km. The minimum amount of exposure in the study area would be expected at the northwest end of the lake where the shoreline is protected from both the northwest and south winds. Calculations using wind data from different time periods, and different measures of wind speed, wind duration, and fetch confirmed that such an exposure gradient exists (Keddy 1982). As well as using calculated exposure values, substrate samples were collected in each transect where vegetation was examined. The calculated exposure gradient was strongly positively correlated with a sandsorting coefficient, and strongly negatively correlated with the proportion of silt and clay in the substrate

(Keddy 1982). The rank order of transects along the shore from east to west therefore represents a gradient from lower to higher exposure to wave energy. This rank order of transects is used as the independent variable in figures relating vegetation to exposure, and therefore nonparametric statistical methods are appropriate. The Kendall rank correlation coefficient, τ , (Siegel 1956) is used throughout to test for monotonic trends in vegetation with exposure. To test for a bitonic relationship with exposure, the extension of τ proposed by Ferguson (1965) is used.



A 600-m section of the perimeter of the northeastern end of the lake was marked; this length of shoreline encompassed most of the range of variation seen in the lake as a whole, from open sand beach to organic shoreline. Random numbers (between 1 and 600) were then chosen until 25 transects were located. These random numbers were accepted subject to the criterion that no pair of transects was to be separated by <10 m, to ensure that the transects would be relatively independent of one another. The transects were then located and sampled in the order in which the random numbers had been drawn. This ensured that variation resulting from changes in observer expertise, working conditions, or plant maturity would be randomly assigned along the shoreline.

Each transect contained a belt of vegetation 0.5 m wide. The exact location of the transect was determined by the random number assigned to it, except that transects were in several cases moved laterally up to 2 m to avoid (1) major departures from a monotonic slope (such as deep channels), or (2) obstacles such as large logs. The belt transects were then sur-

veyed into 5 cm height increments using a Sokkisha B4 automatic level (Sokkisha, Limited, Tokyo, Japan). The waterline was used as the reference point, and for each transect 20 such increments were marked out—from 0.5 m above to 0.5 m below the waterline. Since the water level fell during the study period, everything was surveyed relative to 0 m on the day sampling was commenced; daily corrections were made for falling water levels. The gently sloping nature of the sand shores (illustrated in Keddy 1981) meant that these transects were usually \approx 40 m long, with extremes up to 130 m.

An observer then started at the top of the transect and recorded the presence of each species in each height increment (initially 45-50 cm above the waterline along the 50 cm wide strip). For sample units deeper than ≈ -20 cm, a snorkel and mask were necessary. The final data for each transect then consisted of lists of species occurrences in 20 height increments (quadrats).

The vegetation was sampled in this manner during the period 13-21 July 1979. This was slightly early for best identification; however, many species had been collected the previous year and were already identified. For most taxa encountered a voucher specimen was pressed and used as a reference for the remainder of the transects. These vouchers are on file in the author's herbarium, and duplicates, where available, are deposited in the University of Toronto Herbarium, Toronto, and the National Herbarium, Ottawa, Ontario, Canada. All problematic taxa (Potamogeton and Carex in particular) were confirmed or annoted by Dr. A. A. Reznicek (University of Michigan) or Dr. P. W. Ball (Erindale College, University of Toronto). Species names follow Fernald (1950) except for the use of Triadenum fraseri for Hypericum virginicum.

Seedlings of *Acer rubrum*, which germinated in abundance on shores exposed by receding water, were excluded from the data set since they were an ephemeral component of the vegetation. Three species of *Utricularia* (*U. gibba*, *U. purpurea*, and *U. vulgaris*) were also excluded because they occurred primarily as floating fragments rather than rooted plants, and thus were probably little affected by relative height (or water depth).

Frequently aquatic species such as *Nymphoides* cordata occurred well above the July waterline on open sand beach. To test whether these were ephemeral occupants of this habitat, marked quadrats were established. The object was to test whether these species would die during August from being stranded, and therefore to determine whether zonation patterns changed significantly with the seasons. A row of 10 contiguous 1×1 m quadrats was established at each of three heights (28, 22, and 20 cm) above the July water line. These quadrats represented open sand beach. A metre-square quadrat subdivided by strings into 25 20 \times 20 cm subquadrats was placed over each

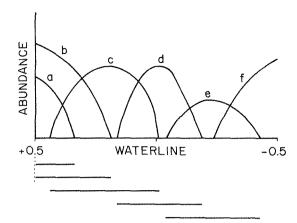


Fig. 2. Hypothetical depth distribution of six species in a lakeshore transect, showing complete species (c, d, e) and incomplete species (a, b, f). The former can be considered true shoreline species, while the latter can be divided into terrestrial species (a, b) and aquatic species (f).

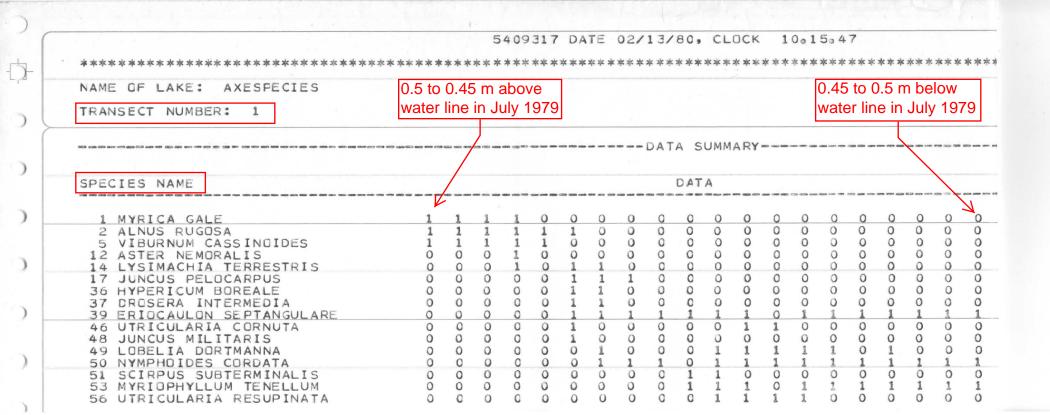
quadrat in turn. The presence or absence of *Eriocaulon septangulare*, *Lobelia dortmanna*, and *Nymphoides cordata* was recorded for each subquadrat, yielding frequency estimates (n=750). This was carried out on 18 July and 22 September 1979 on the same quadrats.

Data analysis

Niche width.—Fig. 2 shows a hypothetical depth distribution for six species in a lakeshore transect. The lower part of the figure shows the presence/absence data, which could easily be recorded as a matrix of zeros and ones. Note that there are two groups of species. One group (to be designated as "shoreline" species) are completely known in terms of their upper and lower limits—Fig. 2c, d, e. The other group is only partly known. Either their landward limits are unknown (for terrestrial species, Fig. 2a, b) or their waterward limits are unknown (for aquatic species, Fig. 2f). First, consider measures of niche width based only on true "shoreline" species. All species that occur in either of the end quadrats on the transect are excluded from the data set. (Note: for the sake of clarity, the term "shoreline species" will be used to refer specifically to this group of species which narrowly span the waterline; the term "lakeshore species" will be used to refer to all species growing in the lakeshore transects.)

Niche width can be defined as the range of relative heights occupied. For any species C, the range occupied would be $C_{max} - C_{min}$. If this species happens by chance to be absent from some intermediate depths, the measure is unaffected. Let W_c represent the range occupied by species C. Then, mean range for a particular transect with s species is simply

$$\left(\sum_{i=1}^{s} W_i\right)/s$$



Note: the preface to this printout explains the sampling methods and provides citations to relevant published papers

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40 CLADIUM MARISCOIDES

46 UTRICULARIA CORNUTA

51 SCIRPUS SUBTERMINALIS

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13 TRIADENUM FRASERI	0	1	1	1	1	0	0	0	0	0	0	0	o	ő	o	o	0	o	
14 LYSIMACHIA TERRESTRIS	1	1	1	1	1	0	0	0	0	0	0	0	0	o	Ö	O	o	Õ	
15 LYCOPUS UNIFLORUS	1	1	1	1	1	0	0	0	0	0	0	~	-	0	ő	0	o	o	
17 JUNCUS PELOCARPUS	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	
35 HYPERICUM ELLIPTICUM	0	0	0	0	1	0	0	0	0	0	0	0	0	o	0	ő	ő	õ	
36 HYPERICUM BOREALE	0	1	1	0	0	1	0	0	0	0	0	0	Q	ŏ	0	ŏ	o	o	
37 DROSERA INTERMEDIA	0	0	2	0	1	1	1	0	1	0	0	-	o	Ö	Ö	Õ	ő	ŏ	
38 RHYNCHOSPORA FUSCA	0	0	0	0	1	1	1	0	<u>, j</u>	Q	Ò	0	Ų.	Ÿ	1	1	1	0	
39 ERIOCAULON SEPTANGULARE	0	0	0	0	0	1	1	1	1	1	ž.	O	0	Ô	Ô	Ô	ô	Õ	
41 XYRIS CAROLINIANA	0	0	0	0	1	1	1	0	0	0	0	o	ő	0	Ö	Õ	ŏ	õ	
43 JUNCUS CANADENSIS	0	0	0	0	0	1	0	0	0	0	0	0	ő	ŏ	Ö	ŏ	ŏ	Õ	
44 JUNCUS BREVICAUDATUS	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	Q	0	0	
45 JUNCUS FILIFORMIS	0	0	0	0	0	1	0	0	0	O	0	0	0	0	Ö	o	Õ	õ	
46 UTRICULARIA CORNUTA	0	0	0	0	0	0	1	0	1	0	A.		N N	1	1	1	õ	o	
49 LOBEL IA DORTMANNA	0	0	0	C	0	0	1	0	0	4	å	. 1	1	1	1	1	1	1	
50 NYMPHOIDES CORDATA	0	0	0	C	0	1	1	1	1	ļ	4	1	0	Ô	0	Ô	Ô	Ô	
51 SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	0	0	1	1	Å.	0	v	1	1	1	ŏ	0	
	0	0	0	Q	0	0	0	0	0	1	1	1	A	Z.	45-	de	34	100	

5409317 DATE 02/13/80, CLOCK 10:15:47 ****************** NAME OF LAKE: AXESPECIES TRANSECT NUMBER: 6 The second secon DATA SPECIES NAME

3 NEMOPANTHUS MUCRONATA 0 0 12 ASTER NEMORALIS 0 0 0 1 14 LYSIMACHIA TERRESTRIS 1 0 0 15 LYCOPUS UNIFLORUS 0 1 1 16 VIOLA LANCEOLATA 0 0 0 1 1 17 JUNCUS PELOCARPUS 0 0 1 0 0 36 HYPERICUM BOREALE 37 DROSERA INTERMEDIA 0 0 0 38 RHYNCHOSPORA FUSCA 1 1 1 39 ERIOCAULON SEPTANGULARE 0 0 0 0 0 0 41 XYRIS CAROLINIANA 0 0 0 0 0 44 JUNCUS BREVICAUDATUS 0 0 0 46 UTRICULARIA CORNUTA 1 1 0 0 0 0 0 0 0 0 1 49 LOBELIA DORTMANNA 0 0 0 0 1 1 1 1 1 1 1 1 50 NYMPHOIDES CORDATA 0 0 0 0 0 51 SCIRPUS SUBTERMINALIS 53 MYRIOPHYLLUM TENELLUM 0 0 0 0 0 0 0 0

0 0

 0 1

56 UTRICULARIA RESUPINATA 0 0 0

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 7

SPECIES NAME	999 SEED SEED SEED SEED SEED	TO 100 1000	-	NAME COMO STREET				-	MILES COMP NECE	DAT	A	100m 100m mm	OMER 478/79 WEST	COMMITTEE CONTRACTOR		COOR - 1880 - 1880	4940 VIII 4000	- CESTON - COMPAN - COMPAN	NAMES OF THE OWNER.	Same office office if
1 MYRICA GALE	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 NEMOPANTHUS MUCRONATA	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 ASTER NEMORALIS	O	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 TRIADENUM FRASERI	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
14 LYSIMACHIA TERRESTRIS	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 LYCOPUS UNIFLORUS	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	O	0
16 VIOLA LANCEOLATA	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 JUNCUS PELOCARPUS	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
18 BIDENS SPo	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MUHLENBERGIA UNIFLORA	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 RHEXIA VIRGINICA	0	0	0	0	1	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0
35 HYPERICUM ELLIPTICUM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 HYPERICUM BOREALE	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 DROSERA INTERMEDIA	1	1	1	1	1	1	1	1	0	C	0	0	0	0	0	0	0	0	0	0
38 RHYNCHOSPORA FUSCA	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	O	0
39 ERIOCAULON SEPTANGULARE	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
40 CLADIUM MARISCOIDES	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
41 XYRIS CAROLINIANA	0	0	0	0	1	1	1	0	0	0	0	0	0	0	O	0	0	0	0	0
43 JUNCUS CANADENSIS	0	0	0	0	0	0	0	1	0	O	0	0	0	0	0	0	0	0	0	0
44 JUNCUS BREVICAUDATUS	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 UTRICULARIA CORNUTA	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
49 LOBELIA DORTMANNA	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0
50 NYMPHOIDES CORDATA	0	0	0	1	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
53 MYRIOPHYLLUM TENELLUM	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	0	1
56 UTRICULARIA RESUPINATA	0	0	0	0_	0	0	0	0	_1_	_1_	0	0	0	0	0	0	0	0	0	0

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 8

SPECIES NAME		ODDA ANDRA VOTE NE	Mary CES esse of	# #80000 - VZZZZY - ZSZSS	W20 GID 4884	1000 BUD 4000	cate was easy	7100 and 1000		DAT	A	The same 1770	THE CLIN WITH	PETER SAME	MIS 222 MIS	viete easis (002)		Auto Opina entiti	-	a decer o
A WAST CA CALE	1	0	0	O	0	Q	0	0	Q	Q	0	0	0	0	0	0	0	0	0	-
1 MYRICA GALE	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12 ASTER NEMORALIS		1	1	1	3	1	1	õ	Õ	0	o	Õ	Õ	Õ	Õ	O	O	0	0	
13 TRIADENUM FRASERI	0	4	4	0	1	-9	9	0	0	0	0	0	0	0	Õ	0	0	0	0	
14 LYSIMACHIA TERRESTRIS	Ų.	1	4	0	-	2	0	0	0	0	Ö	õ	0	Ö	Õ	ŏ	0	O	o	
15 LYCOPUS UNIFLORUS	1	Ü	O	Ü	Ö	U	Ü	0	0	0	0	0	0	0	0	0	0	0	0	
16 VIOLA LANCEOLATA	1	1	Ü	O	0	Ö	£	Ö	Ü	0	0	0	0	1	0	0	0	0	õ	
17 JUNCUS PELOCARPUS	0	0	0	0	0	1	1	1	1	0	Ā	0	0	1	0	0	0	0	0	
19 MUHLENBERGIA UNIFLORA	1	1	1	0	1	1	0	0	0	O	0	0	0	0	0	0	0	0	0	
20 RHEXIA VIRGINICA	1	1	_1_	_1_	1	0	_0_	0_	0	_0_		0	0			0	0	Ö	0	
22 LYCOPODIUM INUNDATUM	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	O	O	
23 AGROSTIS HYEMALIS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	O	O	
35 HYPERICUM ELLIPTICUM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	O	
37 DROSERA INTERMEDIA	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
38 RHYNCHOSPORA FUSCA	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
39 ERIOCAULON SEPTANGULARE	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	0	0	0	0	
40 CLADIUM MARISCOIDES	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
41 XYRIS CAROLINIANA	Ō	ō	ō	O	1	1	1	1	1	0	0	0	0	0	0	0	0	0_	0	
46 UTRICULARIA CORNUTA	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	
	Ö	ő	0	Õ	Õ	0	O	O	0	0	1	1	1	1	1	0	0	0	0	
	0	0	0	0	Õ	1	Õ	1	1	0	1	1	1	1	1	1	1	1	1	
50 NYMPHOIDES CORDATA	0	0	0	0	o	ō	Õ	Ô	1	Ö	1	1	ō	Ö	O	0	0	1	1	
51 SCIRPUS SUBTERMINALIS	0	0	0	- 0	0	0	0	0	Ô	0	Ô	Ô	1	9	1	1	1	1	7	
53 MYRIOPHYLLUM TENELLUM	. 0	0	0	0	0	0	0	0	0	0	0	Õ	ñ	Õ	õ	i	Ô	1	Ö	
54 UTRICULARIA VULGARIS	C	0	Ö	0	0	0	0	0	0	0	1	1	1	1	1	â	0	Ô	õ	
56 UTRICULARIA RESUPINATA	Ü	0	0	0	0	0	0	0	0	0	0	^		0	0	ŏ	ŏ	õ	ŏ	
60 BRASENIA SCHREBERI	C	0	0	U	-0	U	U	U	U	U	U	0	U	U		- 0				-

5409317 DATE 02/13/80, CLOCK 10.15.47 NAME OF LAKE: AXESPECIES TRANSECT NUMBER: 9 ____DATA SUMMARY-----DATA SPECIES NAME

SPECIES NAME						***			-	DAI	A	Marin, Militar school	man armi arm	more words detting	ATTER THE PERSON	2000 marie 10000	week or the coope	March Comme (CCC)	D milital comp. STOTA	MINTER ANGEL ACCOR
4 MADICA CALE	0	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 MYRICA GALE 3 NEMOPANTHUS MUCRONATA	1	9	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 SPIREA ALBA	0	1	0	Ô	0	0	ŏ	o	0	0	0	ő	0	Ö	ő	ŏ	ő	0	0	ő
	0	0	0	4	ŏ	0	0	Ö	ő	0	0	0	0	0	0	0	0	0	Õ	0
12 ASTER NEMORALIS 13 TRIADENUM FRASERI	0	0	0	A.	4	0	0	Ö	0	0	0	0	0	0	ŏ	ő	0	0	ŏ	ŏ
	······································	Ų	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 LYSIMACHIA TERRESTRIS	3	3.	0	ă.	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 LYCOPUS UNIFLORUS	0	1	Ü	Å	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0
16 VIOLA LANCEOLATA	Ö	0	1	1	0	Ü	0	ů	Ü	Ü	0	0	0	0	0	Ö	0	0	0	0
17 JUNCUS PELOCARPUS	0	Ü	Ü		0	1	1		1	1	0	0	0	0	0	0	0	0	-0	0
19 MUHLENBERGIA UNIFLORA	0	0	0	1	0	0	O	0	Ŏ	ū	0	0	0	Ŏ	0	0	0	Õ	O	0
20 RHEXIA VIRGINICA	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	Ö	Ô
36 HYPERICUM BOREALE	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
37 DROSERA INTERMEDIA	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
38 RHYNCHOSPORA FUSCA	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
39 ERIOCAULON SEPTANGULARE	0	0	0	0	O	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1
40 CLADIUM MARISCOIDES	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
41 XYRIS CAROLINIANA	0	0	0	1	1	1	1	1	0	1	0	0	0	0	0	0	0	O_	O	0
46 UTRICULARIA CORNUTA	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
49 LOBELIA DORTMANNA	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
50 NYMPHOIDES CORDATA	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
51 SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1
53 MYRIOPHYLLUM TENELLUM	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
54 UTRICULARIA VULGARIS	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	1	1
55 UTRICULARIA INTERMEDIA	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
57 UTRICULARIA GIBBA	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	O	0	0	0	1
58 UTRICULARIA PURPUREA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
				_	_								-						-	_

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 10

SPECIES NAME		etica -etial weer	ONES COOK AND	ACTED SERVICE STORES		1578 4570 AMA		more store date	SAME VINE TOD	DAT	A	200 mm (20)	MILE AND AND	ESSEN ALEXAN APPEN	NUID 2024 MAIN		man (200) 4000	40'00x 9880x 27000		b Sim
1 MYRICA GALE	1	1	1	1	0	0	0	0	O	0	0	0	0	0	0	0	0	0	0	
5 VIBURNUM CASSINGIDES	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12 ASTER NEMORALIS	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13 TRIADENUM FRASERI	. 0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14 LYSIMACHIA TERRESTRIS	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15 LYCOPUS UNIFLORUS	0	1	0	0	0	0	0	0	0	C	0	0	0	0	0	0	0	0	0	
16 VIOLA LANCEOLATA	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17 JUNCUS PELOCARPUS	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	
19 MUHLENBERGIA UNIFLORA	0	0	0	1	1	O	1	0	0	0	0	0	0	0	0	0	0	0	0	
35 HYPERICUM ELLIPTICUM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
36 HYPERICUM BOREALE	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
37 DROSERA INTERMEDIA	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
38 RHYNCHOSPORA FUSCA	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
39 ERIOCAULON SEPTANGULARE	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	
40 CLADIUM MARISCOIDES	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
41 XYRIS CAROLINIANA	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
46 UTRICULARIA CORNUTA	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	
49 LOBELIA DORTMANNA	0	0	0	0	0	1	1	1	1	1	1	0	1	1	0	0	0	0	0	
50 NYMPHOIDES CORDATA	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	
51 SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	
53 MYRIOPHYLLUM TENELLUM	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	
54 UTRICULARIA VULGARIS	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1	1	1	
56 UTRICULARIA RESUPINATA	0	0	O	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
57 UTRICULARIA GIBBA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
58 UTRICULARIA PURPUREA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
61 NYMPHAEA ODORATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

COMMARY COMMAND COMMAN

SPECIES NAME		ente -nuiss CCSS	uto seu con	PROTECT - ALCOHOL COLUMN 1	rents extens equals 1	COS NEEDS (INCO.)	-	ORDER SEGUE AND A	den cappa moto -	DAT	A	sau sala cero i	0000 1000a-1000a-	Access Addings Appare	vente totale allah s	unico assess vastro e	man stock com	vasion states rosess	CHARGE VALUE CAN
a and the character and the term in the te		_			0	0		0	0	O	0	0	0	0	0	0	0	0	0
1 MYRICA GALE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 VACCINIUM MACROCARPON	1	1	1	U	0	0	0	-	0	0	Ö	ő	ŏ	ŏ	o	ŏ	Õ	Õ	Õ
12 ASTER NEMORALIS	1	1	1	1	Ü	Q	0	0	0	Ö	ő	o	o	Ö	ŏ	ŏ	õ	o	Ö
13 TRIADENUM FRASERI	0	1	1	1	1	1	0	0	0	Ö	Ö	o	Ö	ŏ	ŏ	ŏ	ŏ	Ö	o
14 LYSIMACHIA TERRESTRIS	1	0	1	Ţ		1	0		1	Ň	0	0	0	0	0	0	0	0	0
15 LYCOPUS UNIFLORUS	0	1	1	1	U	Õ	0	0	0	0	Ö	o	Ö	ő	o	o	õ	o	Õ
16 VIOLA LANCEOLATA	1	1	1	1	1	1	O	0	0			0	ő	o	o	o	0	o	Õ
17 JUNCUS PELOCARPUS	0	0	0	0	1	1	1	1	1	7	0		0	o	0	Ö	Ö	ŏ	ő
19 MUHLENBERGIA UNIFLORA	1	1	_1_	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
20 RHEXIA VIRGINICA	1	1	1	0	0	0	0	0	0	0	0	0	-	Ö	o	Ö	o	o	0
24 DULICHIUM ARUNDINACEUM	0	0	0	0	0	0	1	1	0	0	0	0	0	0	o	Ö	Ö	ŏ	0
35 HYPERICUM ELLIPTICUM	0	0	1	. 1	0	0	1	0	0	C	0	0	-	-	-	0	0	Ö	0
36 HYPERICUM BOREALE	0	0	0	1	1	1		0	0	0	0	0	Ó	0	0	0	0	0	^
37 DROSERA INTERMEDIA	1	1	1	1	1	1	1	1	1	0	0	0	0	0	-		0	Ö	0
38 RHYNCHOSPORA FUSCA	0	0	1	1	1	1	0	0	Ö	O	0	0	0	0	Ö	0	1	1	4
39 ERIOCAULON SEPTANGULARE	0	0	0	0	0	0	0	0	1	1	1	1	7	1	2	2	2	Ö	.a. ()
40 CLADIUM MARISCOIDES	1	1	1	1	1	1	1	1	<u>l</u>	1		0	0	0	0	0	0	0	0
41 XYRIS CAROLINIANA	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0		0	-	Ö
42 SCRIPUS TORREYI	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	-	0	0
43 JUNCUS CANADENSIS	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	C
46 UTRICULARIA CORNUTA	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	
48 JUNCUS MILITARIS	0	0	0	0	0	0	0	0	0	0	0	0	0	O	0	0	0	0	4
49 LOBEL IA DORTMANNA	0	0	0	0	0	0	0	0	0	0	0	0	1	Ö	0	0	0	9	4
50 NYMPHOIDES CORDATA	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	7	2	A.	3
51 SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	0	0	0	_1	_1_	0	_1_					- 1	- 3
53 MYRIOPHYLLUM TENELLUM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	Ţ	1	1	1
54 UTRICULARIA VULGARIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	O	T.	0	4
55 UTRICULARIA INTERMEDIA	0	0	0	O	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1
56 UTRICULARIA RESUPINATA	0	0	0	0	0	0	0	0	0	0	0	0	1	1_	0	0	0	Ō	<u> </u>
57 UTRICULARIA GIBBA	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	3
58 UTRICULARIA PURPUREA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	C
59 NUPHAR VARIEGATUM	0	0	0	0	0	0	0	0	0	0	0	O	0	0	0	0	0	0	(
60 BRASENIA SCHREBERI	0	Q	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0	0	C

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 12

		- cases - corco - cc.20	O OREO CANO AMERICA	ABONE HERE GENERAL	ricate same empts			0 62220 ISSUE AND		DAT	A		COOP STOOL ASSESSMENT	4200 MINE ORDER	### 1079 20h	4000 and 4000	esco men esco		- Malia data ne
1 MYRICA GALE	1	1	1	1	0	Q	0	0	0	Q	0	0	0	0	0	0	0	0	0
2 ALNUS RUGOSA	1	1	1	1	0	0	0	0	Q	0	0	0	0	. 0	0	0	0	0	0
4 SPIREA ALBA	ō	ō	1	O	o.	Õ	o	o	o	o	Õ	Õ	0	0	o.	Õ	o	0	0
12 ASTER NEMORALIS	1	1	1	1	Õ	o.	Õ	0	Q	0	0	O	0	O	0	0	Q	O	0
13 TRIADENUM FRASERI	1	ō	Ö	ō	o	o.	1	o.	õ	Õ	Õ	Ö	Ö	o.	0	0	Õ	Ö	O.
14 LYSIMACHIA TERRESTRIS	Q	1	1	0	1	0	o	0	0	0	0	0	0	0	0	0	0	0	0
15 LYCOPUS UNIFLORUS	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
16 VIOLA LANCEOLATA	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
17 JUNCUS PELOCARPUS	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
19 MUHLENBERGIA UNIFLORA	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 RHEXIA VIRGINICA	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 HYPERICUM ELLIPTICUM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 HYPERICUM BOREALE	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
37 DROSERA INTERMEDIA	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
38 RHYNCHOSPORA FUSCA	0	0	0	1	1	0	1	1	1	O	0	0	0	0	0	0	0	0	0
39 ERIOCAULON SEPTANGULARE	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	0	0	1
40 CLADIUM MARISCOIDES	0	1_	1	1	_1_	_1_	1_	0	0	0	0	0	0	0	0	0	0	0	0
41 XYRIS CAROLINIANA	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
42 SCRIPUS TORREYI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 UTRICULARIA CORNUTA	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
49 LOBELIA DORTMANNA	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0
50 NYMPHOIDES CORDATA	0	0	0	0	0	1	1	1	1	1	0	1	1.	Y	1	1	1	1.	1
51 SCIRPUS SUBTERMINALIS	0	0	0	Ö	0	O	0	1	1	1	1	1	1	1	1	1	1	1	1
53 MYRIOPHYLLUM TENELLUM	O	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
54 UTRICULARIA VULGARIS	0	0	0	0	0	0	0	0	0	0_	0	0	0	0	0		1	1	
56 UTRICULARIA RESUPINATA	0	0	0	0	0	Ö	0	0	0		1	1	1	1	7	0	0	0	0
57 UTRICULARIA GIBBA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	A.	0	4
58 UTRICULARIA PURPUREA	0	***	0	0	0	0	0	0	0	0	0	0	-	0	0	O	0	0	2
59 NUPHAR VARIEGATUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 BRASENIA SCHREBERI 62 POTAMOGETON CONFERVOIDES	0	0	0	0	0	0	0	0	0	0	0	0	Ö	o	0	o	0	0	0
63 POTAMOGETON CONFERVUIDES	O	0	0	U	U	0	Ö	0	0	0	0	0	0	0	9	0	U	0	0

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 13

SPECIES NAME THE CO HER HIT HER		MICCON -MICCON -MICCON		THE CONTRACTOR	-0000 4000 4000	Value William Street	A 1000 A 1000 A 1000	0 emp cars seen	#100 OTTO	DAT		1000 COD 015	CORD ANDROVENIES	- econo - compo - econo	Falletin 2020 Million	WHEN THE STEE	ACRES STORM ADDRESS	NO	- 600000 XXXX 600
1 MYRICA GALE	1	0	0	0	0	0	0	0	0	О	0	0	0	0	0	0	0	0	0
2 ALNUS RUGOSA	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RUBUS HISPIDUS	1	1	0	0	0	0	0	0	0	0	0	0	0	O	0	0	O	0	0
12 ASTER NEMORALIS	1	1	1	1	1	0	1	0	0	0	0	0	0	0	O	0	0	o	Õ
14 LYSIMACHIA TERRESTRIS	0	0	0	0	0	1	1	0	0	0	0	0	0	0	o	Ō	0	Õ	Õ
16 VIOLA LANCEDLATA	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	O	0	0	0
17 JUNCUS PELOCARPUS	0	0	0	0	O	1	1	1	1	1	1	0	0	0	0	Q	Õ	Õ	o
19 MUHLENBERGIA UNIFLORA	1	1	1	1	1	1	1	0	O	0	ō	0	0	0	0	0	0	0	0
20 RHEXIA VIRGINICA	1	1	1	1	1	1	1	0	0	0	0	0	0	0	O	Õ	0	0	0
36 HYPERICUM BOREALE	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
37 DROSERA INTERMEDIA	1	1	1	1	1	1	1	1	1	1	0	O	0	0	0	0	0	0	0
38 RHYNCHOSPORA FUSCA	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
39 ERIOCAULON SEPTANGULARE	0	0	0 .	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1
40 CLADIUM MARISCOIDES	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
41 XYRIS CAROLINIANA	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
42 SCRIPUS TORREYI	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
43 JUNCUS CANADENSIS	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
44 JUNCUS BREVICAUDATUS	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
46 UTRICULARIA CORNUTA	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0
49 LOBELIA DORTMANNA	0	0	0	0	0	0	0	0	0	O	1	0	0	0	0	0	0	0	1
50 NYMPHOIDES CORDATA	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
51 SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1
52 ELEOCHARIS PALUSTRIS	0	0	0	C	0	0	0	0	O	C	0	0	0	0	0	0	0	0	1
53 MYRIOPHYLLUM TENELLUM	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
54 UTRICULARIA VULGARIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1
55 UTRICULARIA INTERMEDIA	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
56 UTRICULARIA RESUPINATA	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0
57 UTRICULARIA GIBBA	0	0	0	C	0	0	0	0	0	O	0	0	1	1	0	0	0	1	0
58 UTRICULARIA PURPUREA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1
60 BRASENIA SCHREBERI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
63 POTAMOGETON DAKESIANUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 14

SPECIES NAME	THE COURS WHEN SOME SOME STATES	CO MIN WAY		- CE 625 640	100 CD 400	4309-4339-4338	- 1200 1000 1000	1 1000 COM 1000	- CONTRACTOR - CON	DAT	A	GAZIN GAZIN SHITS	COM COMO	******	1989 TOTA SEA	2000 2000 KNO	-	MINE MINE LINE	a committee (2020) adda	Marie a
11 RUBUS HISPIDUS	1	1	1	0	0	0	0	0	Q	Q	0	0	0	0	0	0	0	0	0	
12 ASTER NEMORALIS	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
13 TRIADENUM FRASERI	ō	1	1	ī	1	1	ĭ	Ö	Õ	1	0	0	0	0	O	0	0	0	0	
14 LYSIMACHIA TERRESTRIS	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
15 LYCOPUS UNIFLORUS	0	0	0	Q	1	ō	ō	ō	ō	0	0	0	0	ŏ	Ö	0	0	0	0	
16 VIOLA LANCEDLATA	1	1	1	1	1	1	1	0	0	Q	Q	0	0	0	0	0	0	0	0	
17 JUNCUS PELOCARPUS	0	O	0	0	O	O	1	1	1	1	O	O	0	O	0	0	0	0	O	
19 MUHLENBERGIA UNIFLORA	1	1	1	1	1	1	1	O	1	ō	0	0	0	0	0	0	0	0	O	
20 RHEXIA VIRGINICA	1	1	1	1	1	1	1	0	Q	Q	0	0	O	0	0	0	0	0	0	
24 DULICHIUM ARUNDINACEUM	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
25 CAREX ROSTRATA	0	0	0	0	0	1	1	O	1	O	1	1	0	0	0	0	0	0	0	
35 HYPERICUM ELLIPTICUM	0	0	0	0	0	Ö	1	0	0	Q	0	0	0	0	0	0	0	0	0	
36 HYPERICUM BOREALE	0	0	0	0	0	0	ō	1	1	0	0	0	0	0	0	0	0	0	0	
37 DROSERA INTERMEDIA	1	1	1	1	1	1	1	î	1	0	0	0	0	0	0	0	0	0	0	
39 ERIOCAULON SEPTANGULARE	ō	0	0	0	0	0	O	O	1	1	0	1	1	1	1	1	1	1	1	
40 CLADIUM MARISCOIDES	1	1	1	1	1	1	1	1	1	1	0	0	O	0	0	Ö	O	0	0	
41 XYRIS CAROLINIANA	O	O	0	0	0	O	1	O	1	Q	0	0	0	0	0	0	0	0	0	
42 SCRIPUS TORREYI	0	0	0	0	1	1	0	0	0	0	1	1	1	1	3.	0	1	0	0	
43 JUNCUS CANADENSIS	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
44 JUNCUS BREVICAUDATUS	0	0	0	0	0	1	1	1	O	C	0	0	0	0	0	0	0	0	0	
47 PONTEDERIA CORDATA	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	
48 JUNCUS MILITARIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
49 LOBELIA DORTMANNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
50 NYMPHOIDES CORDATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	
51 SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	
52 ELEOCHARIS PALUSTRIS	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	
54 UTRICULARIA VULGARIS	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
55 UTRICULARIA INTERMEDIA	0	0	0	0	0	0	0	0	0	O	0	0	0	1	0	0	0	0	0	
57 UTRICULARIA GIBBA	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	
59 NUPHAR VARIEGATUM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	
60 BRASENIA SCHREBERI	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	
61 NYMPHAEA ODORATA	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 15

A T A T OF SEC	SUMMARY
是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	

SPECIES NAME											DAT		DOOR MINING THE I	- 6000 0000 -	NAV TREE TREE YEAR	1000 CLICA 8000 M	MA TELE TOTAL IS	and desire where the	2000 1000 0 7773 4	
CONTROL AND ADDRESS AND ADDRES		HOTEL MEETS HELDS FOTOL	Make Apple apple	ena citta esta e	A SOUTH STORY -	atto-vario esses va	DOS ADDRESS TO THE	25 225 922 1	William Salve Calle of	and some some	200 200 200									
						0	0		0	0	0	0	0	0	0	0	0	0	0	0
1 MYRICA GALE		0	1_	1	0	0	0_	0		0	0	0	0	0	0	0	0	0	0	0
4 SPIREA ALBA		1	0	0	0	0	0	0	0	ŏ	0	0	o	o	ŏ	Ö	0	0	0	0
6 VACCINIUM MACROCARPON		0	0	1	0	0	0	0	0		0	0	-	ŏ	0	0	o	o	0	0
11 RUBUS HISPIDUS		1	0	0	0	0	0	0	0	0	0	0	0	0	0	o o	Ö	Õ	0	0
The second secon		1	1	1	1	1	0	0	0	<u> </u>	0	0	0	0	0	0	Ö	Ö	0	0
The state of the s		0	1	1	1	1	1	1	0	0	0	0	0	40	-	o	o	ŏ	õ	o
		0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	o	o	ŏ
14 LYSIMACHIA TERRESTRIS		Õ	1	1	1	1	1	1	1	1	0	0	0	0	0		-	0	0	ŏ
16 VIOLA LANCEDLATA		0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
17 JUNCUS PELDCARPUS		1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	-	-	0
19 MUHLENBERGIA UNIFLORA		ō	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	Ö
20 RHEXIA VIRGINICA	M	Õ	5	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	-
24 DULICHIUM ARUNDINACEU	VI.	Õ	õ	Ô	0	O	Q	1	1	1	1	0	0	0	0	0	0	0	ŏ	0
25 CAREX ROSTRATA		0	0	0	1	0	0	O	0	0	0	0	0	0	0	0	0	0	0	0
26 PANICUM LANUGINOSUM		0	0	0	9	ŏ	o	Õ	O	0	0	0	0	0	0	0	0	0	0	0
27 CAREX MICHAUXIANA		0	1	1	3	Õ	a	o	0	0	0	0	0	0	0	0	0	0	0	0
35 HYPERICUM ELLIPTICUM		-	A.	4	9	3	3	1	1	o	0	0	0	0	0	0	0	0	0	
37 DROSERA INTERMEDIA		0	- 1	0	- 4	1	3	Ô	1	0	0	0	0	0	0	0	0	0	0	0
38 RHYNCHOSPORA FUSCA		0	0	0	0	0	Ô	õ	1	1	O	O	0	1	0	1	1	1	1	1
39 FRIDCAULON SEPTANGULA	RE	0	0	9	U	3	3	1	1	1	O	0	0	0	0	0	O	0	0	0
40 CLADIUM MARISCOIDES		0	2	2	2	0	Ô	1	ô	Ô	O	0	0	0	0	0	0	0	0	0
41 XYRIS CAROLINIANA		0	0	0	ŏ	0	0	1	ĭ	ĭ	1	1	1	1	1	1	0	0	0	C
42 SCRIPUS TORREYI		0	0	0	Ü	0	ő	3	0	Õ	Ô	ō	O	0	0	0	0	0	0	C
43 JUNCUS CANADENSIS		0	0	0	0	v	ů	Ö	0	Õ	o o	0	O	0	0	0	0	0	0	0
44 JUNCUS BREVICAUDATUS		0	0	0	0	1	*	Ö	o	3	o	Õ	O	Õ	O	0	0	0	0	ζ
47 PONTEDERIA CORDATA		0	0	0	0	0	0		0	0	0	0	0	0	0	0	1	0	0	3
48 JUNCUS MILITARIS		0	0	0	Ü	0	0	0	0	0	0	0	ŏ	Õ	Õ	0	ō	1	1	(
49 LOBELIA DORTMANNA		0	0	0	0	0	0	0	0	9	0	0	1	1	o	Ö	1	1	1	1
50 NYMPHOIDES CORDATA		0	0	0	0	0	0	0	0	0	Q	3	1	1	1	1	1	1	1	1
51 SCIRPUS SUBTERMINALIS		0	0	0	0	0	0	0	0	444444444	Š	O	Ô	Ô	Ô	Ô	0	Ō	0	C
52 ELEOCHARIS PALUSTRIS		0	0	0	0	0	1	0	0	0	0	Ö	3	9	õ	0	Õ	Õ	o	C
TO THE PARTY WILL CADIS		0	0	0	0	0	0	0	0	0	Ü	-	0	O	0	1	1	õ	o	Č
56 UTRICULARIA VOLGARIS 56 UTRICULARIA RESUPINAT	A	0	0	0	O	0	0	0	0	0	0	0	1	1	1	1	Ô	o	ŏ	(
		0	0	0	0	0	0	0	0	0	0	0	1	7	0	0	0	0	ő	- (
TA COCO ATA		0	0	0	0	0	0	1	0	1	0	1	0	0		0	o	o	o	-
61 NYMPHAEA ODURATA 63 POTAMOGETON DAKESIANU	IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	U	U	J	0	

SPECIES NAME	MCS ARROWSTER SEZZO GENERA SENSO	AMERIA NULLIO -KOM	******************	MARGO COOD GLICA	1000 CED 1003	LINE WITH SEED		come con anno		DAT	A	AMERICA (1000)	MICO ANNO MANO	MINI CINA ANNA		Melas regas victa		1-75737> -URDAN ANDIO	e estado (1530)
1 MYRICA GALE	,	1	1	0	4	9	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	1	1	0	0	0	0	0	o	0	0	0	0	0	0
	3	0	Ô	0	0	0	o	0	ŏ	o	ő	ŏ	ő	ŏ	ő	0	ŏ	o	o
9 PYRUS ARBUTIFOLIA	4	9	0	9	3	9	0	0	o	o	ő	o	ő	O	ő	o	0	ŏ	õ
11 RUBUS HISPIDUS	. 1	4	4	1	4	2	Ö	0	Q	Q	0	0	0	Ö	o o	0	o	Ö	o
12 ASTER NEMORALIS	1	1	7	1	- 1	4	Ų,	Ų.	1	0	0	0	0	0	0	0	0	0	o
13 TRIADENUM FRASERI	0	0	0	2	2	1	1	1	1	0	_	0	Ö	0	0	ŏ	0	Ö	0
14 LYSIMACHIA TERRESTRIS	0	0	0	1	1	4	1	1	1	O	0	0	_	0	0	o	Ö	0	0
15 LYCOPUS UNIFLORUS	0	0	1	U	0	1	0	0	0	0	0	0	0	0				0	0
16 VIOLA LANCEOLATA	0	0	_1_	_1_	_1_	_1_	1	0	0	0	0	0	0	0	0	0	0	-	
17 JUNCUS PELOCARPUS	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
21 CAREX STRICTA	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 DULICHIUM ARUNDINACEUM	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
25 CAREX ROSTRATA	0	0	0	C	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
28 CALAMAGROSTIS CANADENSIS	0	1	1	1	1	1	1	0	0	0	0	O	0	0	0	0	0	0	0
29 GLYCERIA CANADENSIS	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
30 CAREX OLIGOSPERMA	0	0	0	0	1	1	0	0	0	O	0	0	0	0	0	0	0	0	0
31 CAREX ECHINATA	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	- 0
32 CAREX VESICARIA	0	0	0	C	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
35 HYPERICUM ELLIPTICUM	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
37 DROSERA INTERMEDIA	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
38 RHYNCHOSPORA FUSCA	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
39 ERIOCAULON SEPTANGULARE	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	2	2
40 CLADIUM MARISCOIDES	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
42 SCRIPUS TORREYI	0	0	0	O	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0
44 JUNCUS BREVICAUDATUS	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
46 UTRICULARIA CORNUTA	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
47 PONTEDERIA CORDATA	o o	O	Õ	Q	o	0	0	0	ō	1	0	1	0	0	0	0	0	0	0
48 JUNCUS MILITARIS	ŏ	Õ	Õ	Õ	0	o	0	o	0	Q	0	O	0	0	0	0	1	1	0
49 LOBEL IA DORTMANNA	ő	Ö	Ö	O	o	o	Õ	ŏ	o.	O	Ö	Õ	0	0	1	1	1	1	1
	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	1	1	1
	ő	ő	ő	ő	ŏ	ŏ	Õ	ŏ	ā	Ô	4	1	9	1	9	1	1	1	1
	0	o	o	0	o	o	o	o	a	ã	Ô	Ô	1	3	1	Õ	Ô	Ô	Õ
54 UTRICULARIA VULGARIS			0	ŏ	ő	Ö	Ö	Ö	o	Ö	o	o	Ô	Ô	1	ŏ	0	Ö	0
55 UTRICULARIA INTERMEDIA	0	0	0	0	0	0	0	0	0	Q	0	0	0	0	1	1	1	1	0
56 UTRICULARIA RESUPINATA	0	0		_	-			-	-	0	o	Ö	a	9	2.	Ö	Ô	0	ő
57 UTRICULARIA GIBBA	0	0	0	0	0	0	0	0	0	0	U	1	U	ž.	ı.	-	-	-	0
60 BRASENIA SCHREBERI 61 NYMPHAEA ODORATA	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 17

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SPECIES NAME		400 KB 400 kB			COMPANY NAMED AND ADDRESS			canal entry appra	Mark with mile	DAT	A	400 ato ato	THE RESIDENCE	neces-weeks accord	entra state and	00 Me 40	#ED 1000 0000	TITLE 1880 1990	MITT 200	A 2005 0
1 MYRICA GALE	1	1	1	1	0	0	0	0	O	0	0	0	0	0	0	0	0	0	0	(
6 VACCINIUM MACROCARPON	3	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	(
7 ILEX VERTICILLATA	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(
11 RUBUS HISPIDUS	1	1	1	1	0	0	0	0	0	O	0	0	0	0	0	0	0	0	0	
12 ASTER NEMORALIS	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13 TRIADENUM FRASERI	0	1	0	1	1	1	1	1	1	C	0	0	0	0	0	0	0	0	0	
14 LYSIMACHIA TERRESTRIS	0	O	0	O	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
16 VIOLA LANCEOLATA	0	0	1	1	1	1	1	1	ō	0	0	0	0	0	0	0	0	0	0	
17 JUNCUS PELOCARPUS	0	O	0	0	0	0	O	O	1	0	O	0	0	0	0	O	0	0	0	
19 MUHLENBERGIA UNIFLORA	0	0	0	1	1	0	0	0	0	0	0	Q	0	0	0	0	0	0	0	
20 RHEXIA VIRGINICA	0	0	0	1	1	0	0	0	0	O	O	O	Ö	O	o	Õ	o	0	o	
21 CAREX STRICTA	1	O	0	ō	0	0	o	0	0	o	0	O	ō	O	O	0	o	0	0	
24 DULICHIUM ARUNDINACEUM	Õ	1	1	0	0	0	0	0	a	Q	ō	0	0	Ō	Ö	0	O	0	O	
28 CALAMAGROSTIS CANADENSIS	0	1	1	0	0	0	0	0	0	O	0	0	0	0	0	0	0	0	0	
35 HYPERICUM ELLIPTICUM	o o	Ö	1	1	o.	o	0	o.	Q	O	Õ	0	Õ	0	Õ	Õ	o	Õ	0	
37 DROSERA INTERMEDIA	0	Õ	1	1	1	1	1	1	1	0	O	O	O	0	Õ	O	0	Ö	õ	
38 RHYNCHOSPORA FUSCA	Ö	0	ō	1	1	ō	ō	ō	ō	o	o	O	0	0	O	0	0	o	0	
39 ERIOCAULON SEPTANGULARE	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	
40 CLADIUM MARISCOIDES	o	Õ	o	1	1	1	1	1	1	1	ō	ō	ō	Õ	ō	ō	Ō	Ö	Ō	
42 SCRIPUS TORREYI	o	0	0	O	ō	O	ō	ō	ō	Ö	1	1	1	1	1	1	0	0	O	
46 UTRICULARIA CORNUTA	0	0	Ö	0	0	Ö	0	Õ	1	0	ō	Ō	Ö	O	0	0	0	O	0	
49 LOBELIA DORTMANNA	0	0	0	0	0	0	0	0	Ō	0	0	1	0	1	1	1	1	1	1	
50 NYMPHOIDES CORDATA	0	0	0	0	ō	0	0	0	1	1	1	ō	1	1	1	1	ī	1	i	
51 SCIRPUS SUBTERMINALIS	Õ	o	o	Õ	O	o	o	o	1	1	1	1	1	1	1	1	1	1	1	
54 UTRICULARIA VULGARIS	Q	0	O	O	0	Õ	Ö	Õ	ō	ō	ō	Õ	ō	ō	Q	ō	ō	1	Õ	
55 UTRICULARIA INTERMEDIA	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
56 UTRICULARIA RESUPINATA	Õ	o	Õ	Ö	ŏ	0	0	o	o	Q	Õ	1	1	1	1	1	1	o	o	
58 UTRICULARIA PURPUREA	0	0	0	Ö	0	O	o	Q	Q	o	O	0	ō	0	ō	1	Ö	0	0	
60 BRASENIA SCHREBERI	o o	Õ	0	0	o	o	Ö	Ö	Ö	0	Õ	1	Õ	Õ	Õ	Ő	1	Õ	1	
61 NYMPHAEA ODORATA	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	
63 POTAMOGETON DAKESIANUS	Õ	0	Õ	0	õ	o.	o	o.	õ	Õ	0	Õ	Õ	Õ	o	Õ	Õ	Õ	Õ	

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 18

SPEC.	IES NAME	Major Allalia (Allalia Malalia Majora Majora	COD 400 400	was one value	WITE - 1000 /1200	400 400 400	1220 Marie (1788)	mm 2000 4000	CECTA 3200 0000	Appear where \$1000 is	DAT	A	MAD 4800 1000	CO SUM SEE	with state 4000	100000 same	WHILE WITH STILL	1000 200 in 1000	-	To MANUAL VARIOR MA
	MYRICA GALE	1	1	0	0	0	0	0	0	0	O	0	0	0	0	0	0	0	0	0
6	VACCINIUM MACROCARPON	1	1	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0
11	RUBUS HISPIDUS	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	ASTER NEMORALIS	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	TRIADENUM FRASERI	1	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
16	VIOLA LANCEOLATA	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	JUNCUS PELOCARPUS	0	0	0	0	0	1	1	0	0	0	0	0	O	0	0	0	0	0	0
	DULICHIUM ARUNDINACEUM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
	CALAMAGROSTIS CANADENSIS	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAREX LASIOCARPA	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	DROSERA INTERMEDIA	0	0	1	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0
	ERIOCAULON SEPTANGULARE	0	0	0	0	0	1	0	0	0	1	1.	1	0	1	1	1	1	1	1
	CLADIUM MARISCOIDES	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0
	SCRIPUS TORREYI	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0
	JUNCUS CANADENSIS	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
	PONTEDERIA CORDATA	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
	JUNCUS MILITARIS	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1
	LOBELIA DORTMANNA	0	0	0	0	0	0	0	0	0	O	0	0	0	1	0	1	1	1	0
	NYMPHOIDES CORDATA	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0
	SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	0	0	0	C	0	0	0	1	1	1	1	1	1
44-9403-940-940-940-950-950-950-9	MYRIOPHYLLUM TENELLUM	0	0	0	0	0	0	0	0	0	C	0	0	0	0	0	0	1	1	<u>X</u>
	UTRICULARIA RESUPINATA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1
-	UTRICULARIA PURPUREA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	BRASENIA SCHREBERI	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1
61 1	NYMPHAEA ODORATA POTAMOGETON NATANS	0	0	0	0	0	0	0	0	0	0	0_	1	1	0	0	_1_	1	0	0

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 19

SPECIES NAME	ගත ගත සම සමංකර සම රටු රටු	KORON KRIATA ARREST	a dilicia accosa alberta	1000 000 ans	AND ALL OF THE PARTY	COMP STREET STREET	1000 NOT 1873	TES 222 500	demp street commit	DAT	A ==	Mary Ballis Stole	MALIN CZNIO KRAY	* 4000 WILL - 2000	name come man		e anne cocce anne	A DESCRIPTION OF STATE	y water ottoo com
1 MYRICA GALE	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
6 VACCINIUM MACROCARPON	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
11 RUBUS HISPIDUS	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 ASTER NEMORALIS	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 TRIADENUM FRASERI	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0
14 LYSIMACHIA TERRESTRIS	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
15 LYCOPUS UNIFLORUS	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 VIOLA LANCEOLATA	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	O	0
17 JUNCUS PELOCARPUS	0	0	0	0	0	0	0	ì	0	1	0	0	0	0	0	0	0	0	0
19 MUHLENBERGIA UNIFLORA	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 DULICHIUM ARUNDINACEUM	1	0	0	1	1	1	O	0	0	0	0	0	0	0	0	0	0	0	0
35 HYPERICUM ELLIPTICUM	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
36 HYPERICUM BOREALE	0	0	0	0	0	0	0	0	0	C	0	1	0	0	0	0	0	0	0
37 DROSERA INTERMEDIA	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
38 RHYNCHOSPORA FUSCA	0	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
39 ERIOCAULON SEPTANGULARE	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
40 CLADIUM MARISCOIDES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
42 SCRIPUS TORREYI	0	0	0	0	0	0	0	0	0	O	0	0	0	1	0	0	0	0	0
46 UTRICULARIA CORNUTA	0	0	0	0	0	0	0	1	1	0	0	0	0	O	0	0	0	O	0
48 JUNCUS MILITARIS	Ü	0	. 0	0	Ö	0	0	0	Ö	Ö	Ü	0	0	21.	A.	1	1	1.	Ü
49 LOBELIA DORTMANNA	0	0	0	0	0	0	0	0	0	Ų	0	o O	Ô	4	A	4	1	4	
50 NYMPHOIDES CORDATA 51 SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	0	0	1	3.	Z.	0	2.	4	A.	1	4	1	4 1
51 SCIRPUS SUBTERMINALIS 53 MYRIOPHYLLUM TENELLUM	0	Q	0	0	0	0	0	0	2	4	2	~		2	2	4	2	0	2
56 UTRICULARIA RESUPINATA	0	O	0	Ö	0	0	0	o	0	0	Ö	0	0	4	3	3	7	1	0
57 UTRICULARIA GIBBA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	- 4		0	0	0
58 UTRICULARIA PURPUREA	Ö	ŏ	Ö	Ö	0	0	o	0	Ö	Ö	0	ŏ	0	1	1	1	1	0	0
60 BRASENIA SCHREBERI	Ö	Ö	o	o	ŏ	0	ŏ	o	Õ	0	0	ő	0	Ô	Ô	1	1	1	1
61 NYMPHAEA ODORATA	0	0	0	0	0	0	0	o	0	0	0	0	0	1	o	Ô	Ô	Ô	0
64 POTAMOGETON EPIHYDRUS	ő	Õ	ŏ	ŏ	×	×	0	ŏ	ã	×	× ×	Õ	Õ	^	Õ	2		Õ	0

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 20

ENDED TO THE PROPERTY OF THE P

PECIES NAME	AND COLOR SEED STORY STORY	##### - 1722/25 ###Dale	4000 KTTTD -00000	Mines (COOD GELLA)	ANN UTTO STUD	ulana visitin coola	III was were	223 25 MB		DAT	A		-	000 and and	MANUS TITE STATE	- CO - 2000	men min take	MARINE ARRIVE TOTAL	America colories minor	e esta
1 MYRICA GALE	1	1	1	1	1	1	1	1	0	O	0	0	Q	0	0	0	0	0	0	
6 VACCINIUM MACROCARPON	1	1	1	3.	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
11 RUBUS HISPIDUS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12 ASTER NEMORALIS	ī	1	0	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13 TRIADENUM FRASERI	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	
14 LYSIMACHIA TERRESTRIS	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	
15 LYCOPUS UNIFLORUS	0	0	0	0	0	0	0	0	1	O	0	0	0	0	0	0	0	0	0	
17 JUNCUS PELOCARPUS	0	0	0	0	0	O	O	1	1	0	0	0	0	0	0	0	0	0	0	
21 CAREX STRICTA	1	1	O	O	0	0	0	0	0	Q	0	0	0	0	0	0	0	0	0	
24 DULICHIUM ARUNDINACEUM	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
28 CALAMAGROSTIS CANADENSIS	1	1	1	Q	Q	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30 CAREX CLIGOSPERMA	Õ	1	1	0	0	0	0	O	0	O	0	0	0	0	0	0	0	0	0	
37 DROSERA INTERMEDIA	o	Ö	Ō	O	Õ	0	O	0	1	0	0	1	0	0	0	0	0	0	0	
38 RHYNCHOSPORA FUSCA	0	0	O	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	
39 ERIOCAULON SEPTANGULARE	0	0	0	0	0	0	0	0	1	Q	1	0	0	0	1	1	1	1	1	
40 CLADIUM MARISCOIDES	O	Ö	O	O	0	0	1	1	1	1	1	1	1	2	0	0	0	0	0	
42 SCRIPUS TORREYI	0	0	0	C	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	
43 JUNCUS CANADENSIS	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
47 PONTEDERIA CORDATA	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
48 JUNCUS MILITARIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
49 LOBELIA DORTMANNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	
50 NYMPHOIDES CORDATA	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	
51 SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	
52 ELEOCHARIS PALUSTRIS	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
53 MYRIOPHYLLUM TENELLUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	_
54 UTRICULARIA VULGARIS	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	
56 UTRICULARIA RESUPINATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	
57 UTRICULARIA GIBBA	0	0	0	C	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
58 UTRICULARIA PURPUREA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	
59 NUPHAR VARIEGATUM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1	
60 BRASENIA SCHREBERI	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	
61 NYMPHAEA ODORATA	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	1	1	1	

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 21

SPECIES NAME	ACCOR ARCIN ARCIN ARCIN PRINS	en en en	-	Parties Appell College	-COS work water	-0125 -0025	Acres were week		200 W/W 1000	DAT	A	em em m	COLUMN TOTTO AGRADO	<2559 conto-passa	1000 1000 value	waye vesty rema	2000 1250 GBB	Name William Comm	emp stop sp
1 MYRICA GALE	1	1	1	1	1	1	1	1	Q	С	0	0	0	0	0	0	0	0	0
2 ALNUS RUGOSA	0	0	1	1	1	1	0	0	0	C	0	0	0	0	0	0	0	0	0
11 RUBUS HISPIDUS	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 TRIADENUM FRASERI	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0
14 LYSIMACHIA TERRESTRIS	0	0	0	0	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0
21 CAREX STRICTA	1	1	1	1	0	0	0	0	0	C	0	0	0	0	0	0	0	0	0
24 DULICHIUM ARUNDINACEUM	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0
25 CAREX ROSTRATA	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
28 CALAMAGROSTIS CANADENSIS	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
34 IRIS VERSICOLOR	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
37 DROSERA INTERMEDIA	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
39 ERIOCAULON SEPTANGULARE	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2	1	1	1	1
40 CLADIUM MARISCOIDES	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
42 SCRIPUS TORREYI	0	0	0	C	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0
47 PONTEDERIA CORDATA	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
48 JUNCUS MILITARIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
49 LOBELIA DORTMANNA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1
50 NYMPHOIDES CORDATA	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
51 SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	0	0	0	1	1	1	1	1	3	1	1	1	1
52 ELEOCHARIS PALUSTRIS	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
53 MYRIOPHYLLUM TENELLUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
54 UTRICULARIA VULGARIS	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
56 UTRICULARIA RESUPINATA	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
57 UTRICULARIA GIBBA	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
58 UTRICULARIA PURPUREA	0	0	0	C	0	0	0	0	0	0	0	0	0	0	1	1	1	0	_1_
59 NUPHAR VARIEGATUM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0
60 BRASENIA SCHREBERI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
61 NYMPHAEA ODORATA	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
63 POTAMOGETON DAKESIANUS	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1

J- L.	CIES NAME										DAI						-				unione comme service services
9	MYRICA GALE	***	1	9	3	1	3		- 12000 2000 0000	4	0	0	0	0	0	0	0	0	0	0	0
	VACCINIUM DXYCOCCUS	0	0	0	0	0	0	0	1	0	0	0	0	0	-0	0	0	0	0	ŏ	0
	RUBUS HISPIDUS	1	0	1	0	0	0	0	0	0	0	0	0	Õ	0	0	0	0	0	0	0
	TRIADENUM FRASERI	4	9	-0.	4	v v	3	0	4	0	0	0	0	0	0	0	0	0	0	Ö	0
-	LYSIMACHIA TERRESTRIS	1	A	-		4	0	1	3	3	0	o	0	0	0	0	0	0	Ö	0	0
	LYCOPUS UNIFLORUS	0	A	0	Ų		0	^	0	<u></u>	Ö	0	0	0	0	Š.	0	0	0	0	0
		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
-	DULICHIUM ARUNDINACEUM	0	0	4	3	Š	ů,	0	v	1	0	0	0	0	0	0	0	0	0	0	0
	CAREX ROSTRATA CALAMAGROSTIS CANADENSIS	0	1	4	- 4	4	1	0		0	0	0	0	0	0	0	0	0	0	0	0
			7	1		-	- 0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
	GLYCERIA CANADENSIS	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
	CAREX LASIDCARPA	0	0		0	0	0	0	y y	0	0	0	0	0	0	0	0	0	0	0	0
	DROSERA INTERMEDIA	0	0	0	0	0	0	0	0	0	0	v	9	0	0	0	1	1	4	1	1
AND STREET, AND ADDRESS OF THE PARTY OF THE	ERIOCAULON SEPTANGULARE	O	Ö	ŏ	ŏ	Ň	ŏ	Ŏ	Ů	Ÿ	Ÿ	Å	L.	Ÿ	Ŏ	9	1	*	4	*	*
	CLADIUM MARISCOIDES	0	0	0	Ö	O	Ö	0	1	1	1	4	1	1	0	0	0	0	0	0	0
	SCRIPUS TORREYI	0	O	O	0	0	Ö	0	Ö	0	ō	4	Ä	0	Ö	0	0	0	0	0	0
5.5	PONTEDERIA CORDATA	0	0	0	0	U	U	0	0	Ü	1	J.	0	O	Ü	0	Ö	0	0	0	0
	NYMPHOIDES CORDATA	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1
	SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	O	0	Ö	O	0	1	1	1	1	1	1	1	1	1
	ELEOCHARIS PALUSTRIS	0	0	0	O	0	0	0	0	1	1	1	0	0	0	0	0	0	O	0	0
	UTRICULARIA RESUPINATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1
	NUPHAR VARIEGATUM	0	0	0	0	0	0	0	0	0	0	0	Õ	0	0	0	0	0	<u>J</u>		Q.
	BRASENIA SCHREBERI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	NYMPHAEA ODORATA	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0
63	POTAMOGETON DAKESIANUS	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 23

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THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

SPECIES NAME	400 000 000 000 000 000 000 000	SCOON SELECT AND ADDRESS.	- mens zoko - 1989a	Martin CTON (BOXIN		uses while copie	TION 2020 2020	10030 1000 NBW 1	100 COM 2000 1	DAT	A	***	Marie Calle Marie :	100 mp 400	2000 - 1960 - 1080 - V	nas and store a	-	COURS STEER ANNUA	entre como agua	AND 1000 100
													0	_		0	^	_	^	^
1 MYRICA GALE	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
4 SPIREA ALBA	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
6 VACCINIUM MACROCARPON	0	0	0	0	0	0	0	1	O	0	0	0	0	0	0	0	0	0	0	0
13 TRIADENUM FRASERI	. 0	1	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
14 LYSIMACHIA TERRESTRIS		0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	Ŏ	Ŏ.	0	0
15 LYCOPUS UNIFLORUS	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
16 VIOLA LANCEOLATA	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0
24 DULICHIUM ARUNDINACEUM	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
25 CAREX ROSTRATA	. 0	0	0	0	0	0	0	0	0	1_	_1_	0	0	0	0	0	0	0	0	0
29 GLYCERIA CANADENSIS	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
32 CAREX VESICARIA	0	0	0	0	0	0	0	0	1	0	0	0	O	0	0	0	0	0	0	0
34 IRIS VERSICOLOR	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
36 HYPERICUM BOREALE	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
37 DROSERA INTERMEDIA	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
39 ERIOCAULON SEPTANGULARE	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1
40 CLADIUM MARISCOIDES	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
47 PONTEDERIA CORDATA	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	_ 0
50 NYMPHOIDES CORDATA	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1
51 SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1
52 ELEOCHARIS PALUSTRIS	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	C
53 MYRIOPHYLLUM TENELLUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
54 UTRICULARIA VULGARIS	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	1
55 UTRICULARIA INTERMEDIA	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
56 UTRICULARIA RESUPINATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
57 UTRICULARIA GIBBA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	C
58 UTRICULARIA PURPUREA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
59 NUPHAR VARIEGATUM	Ō	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
60 BRASENIA SCHREBERI	Ō	0	O	0	O	Õ	0	0	0	0	0	1	0	0	0	0	0	1	1	1
61 NYMPHAEA ODORATA	O	Õ	0	O	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1
63 POTAMOGETON DAKESIANUS	O CONTRACTOR OF THE PARTY OF TH	0	Õ	0	Ō	Õ	0	Ō	0	Q	Ō	0	0	0	0	0	0	1	1	1

NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 24

PECIES NAME	COST WIND WAY WAY WHEN THE	COLD NOOR NOOR	WH CO 400	ARRES ANNO ARRES (1005 TOTAL ASSESS	otto enno esso	MAN 200 EXT.	1220 AND AND	ann care 2000 :	DAT	A	300 000 225	NAMES ASSESS ASSESS.	CCC20 FEEDD - 486000 -	MANY STORE STATE (COLO SERVICIONE AND ADDRESS	mero caspo resson	Sec. 4000 - COOK	NUMBER OFFICE ARREST	
1 MYRICA GALE	1	0	0	О	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4 SPIREA ALBA	1	0	0	0	0	0	0	0	C	0	0	0	0	0	0	0	0	0	0	
6 VACCINIUM MACROCARPON	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	
8 CHAMAEDAPHNE CALYCULATA	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11 RUBUS HISPIDUS	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
12 ASTER NEMORALIS	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13 TRIADENUM FRASERI	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	
14 LYSIMACHIA TERRESTRIS	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	
15 LYCOPUS UNIFLORUS	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	_
24 DULICHIUM ARUNDINACEUM	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
25 CAREX ROSTRATA	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
28 CALAMAGROSTIS CANADENSIS	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
29 GLYCERIA CANADENSIS	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
32 CAREX VESICARIA	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	
37 DROSERA INTERMEDIA	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	O	
39 ERIOCAULON SEPTANGULARE	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	
40 CLADIUM MARISCOIDES	0	0	0	0	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	_
47 PONTEDERIA CORDATA	0	0	0	O	0	0	0	0	1	3	1	1	1	0	0	0	0	0	0	
49 LOBELIA DORTMANNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
50 NYMPHOIDES CORDATA	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	
51 SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	
52 ELEOCHARIS PALUSTRIS	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	
53 MYRIOPHYLLUM TENELLUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
54 UTRICULARIA VULGARIS	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	
55 UTRICULARIA INTERMEDIA	0	0	0	0	0	0	0	0	0	0	0	0	1	_1_	0	0	0	0	0	_
56 UTRICULARIA RESUPINATA	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	
57 UTRICULARIA GIBBA	0	0	0	0	0	0	0	0	C	O	0	0	1	0	1	0	0	0	0	
58 UTRICULARIA PURPUREA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	
59 NUPHAR VARIEGATUM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	
60 BRASENIA SCHREBERI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
61 NYMPHAEA ODORATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	
62 POTAMOGETON CONFERVOIDES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
64 POTAMOGETON EPIHYDRUS	0	0	0	0	0	0	0	0	0	O	0	1	0	0	0	0	0	0	0	

5409317 DATE 02/13/80, CLC	OCK	10015047
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NAME OF LAKE: AXESPECIES

TRANSECT NUMBER: 25

SPECIES NAME	B COTTON COLUMN NAMES ARROWS PROTECTS ACCUSADO	800 - CO 4800	4000 (CCC) 4000	****	COMP WITH SECO	C209 10000 (KT000	7070 - 2000 - Accor	4019 DDD 5009	MARION VARIOUS CENTRA (DAT	A		-	WATER FERTILE SERVICE	CONT. (177) (200)	1000 (XXI) 4000	CID (II) 4000	TITS AND STEE		8000 a
1 MYRICA GALE	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11 RUBUS HISPIDUS	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13 TRIADENUM FRASERI	0	0	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	
14 LYSIMACHIA TERRESTRIS	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	
15 LYCOPUS UNIFLORUS	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
24 DULICHIUM ARUNDINACEUM	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
28 CALAMAGROSTIS CANADENSIS	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
29 GLYCERIA CANADENSIS	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
32 CAREX VESICARIA	0	0	0	0	0	1	O	0	1	0	1	1	0	0	0	0	0	0	0	
37 DROSERA INTERMEDIA	0	0	0	0	0	0	1	1	0	C	1	0	0	0	0	0	0	0	0	
39 ERIOCAULON SEPTANGULARE	0	0	0	C	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	
42 SCRIPUS TORREYI	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	
47 PONTEDERIA CORDATA	Ö	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	
50 NYMPHOIDES CORDATA	0	0	0	Q	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	
51 SCIRPUS SUBTERMINALIS	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	
52 ELEOCHARIS PALUSTRIS	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
53 MYRIOPHYLLUM TENELLUM	0	0	0	0	0	0	0	0	O	0	0	0	0	0	0	0	0	0	1	
54 UTRICULARIA VULGARIS	0	0	0	0	0	0	0	0	0	0	1	1	1	0	O	0	1	1	2	
55 UTRICULARIA INTERMEDIA	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
57 UTRICULARIA GIBBA	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	
59 NUPHAR VARIEGATUM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	
60 BRASENIA SCHREBERI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	
61 NYMPHAEA ODORATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
62 POTAMOGETON CONFERVOIDES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	
63 POTAMOGETON DAKESIANUS	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	0	
64 POTAMOGETON EPIHYDRUS	0	0	0	0	0	0	0	0	0	C	0	1	1	0	0	0	0	0	0	