

LOWER BEVERLEY LAKE PROTECTIVE ASSOCIATION

ANNUAL MEETING, 1994

Saturday, 23 July, 1994, Registration 2:00 p.m.
Meeting: 3:00 p.m.

Lower Beverley Lake
Township Park,
(The pavilion near the
Gate House.)

ANNUAL

23 July 1994

shoot 1/4

+ Treas's

+ Water Qual & shoot

1. ATTENDANCE: 25 persons were in attendance.
2. WELCOME TO GUESTS. President Doug Kilpatrick welcomed:
The Superintendent of Lower Beverley Lake Township Park, Mr. Patrick Mathieu;
The Communications Officer for the Ministry of Natural Resources Brockville office, Mr. Kevin Lamcraft.
3. INTRODUCTION OF INCUMBENT EXECUTIVE. The President introduced:
1st V-P: Don Santos, Secretary: Kathie Neiley,
2nd V-P: Michèle LaRose, Treasurer: Betty Penstone.
4. MOMENT OF REMEMBRANCE FOR THOSE WHO HAD PASSED AWAY IN THE PAST YEAR:
Bill Angermann, Guy Kratzer, Marie Shelley,
Allen Gifford, Howard Mooney,
A few words of thanks and remembrance were offered by the President.
5. MINUTES OF THE LAST MEETING, 24 July, 1993.
Because the minutes of the meeting of 24 July, 1994 had been checked & corrected by the Executive, by consensus, it was agreed that they not be read.
MOTION: Moved by Kathie Neiley, Seconded by Mary Santos
that the minutes of the Annual Meeting of 24 July, 1993, be adopted as corrected. Carried.
6. TREASURER'S REPORT. This was given by Betty Penstone.
 - a. Paid-Up Members: 90 as of 23 July, 1994, from approximately 290 on the mailing list. (President's Note: As of the Executive Meeting of 20 August, 1994, this had increased to 124, an increase of 23 over the same date last year.)
 - b. Bank Balance: \$701.27, as of 23 July, 1994.
 - c. Donations To Volunteer Fire Departments:
 - i. Bastard and South Burgess: \$272.00 as of 23 July, 1994;
(\$359.00 as of 20 Aug 94: Pres.)
 - ii. Rear of Leeds and Lansdowne: \$10.00 as of 23 July, 1994;
(\$22.00 as of 20 Aug 94: Pres.)
 - d. Letters Returned Due To Incorrect Address: Names were read. Some corrections were obtained.MOTION: Moved by Betty Penstone, Seconded by Millard Goodsell
that the Treasurer's Report be accepted. Carried.

7. BUSINESS ARISING FROM THE MINUTES. For most of these items, it was the President who reported.

a. Education Programme (for users of the Lake).

- i. Handbills, as included with the Newsletter of June, 1994, have been distributed to stores, parks and commercial camp-grounds around the Lake. Reception by proprietors has been good.

More were available at the meeting so that supplies at distribution points could be 'topped-up' by Association Distributors.

- ii. Signs at Boat Ramps. These repeat in abbreviated form, the information on the Handbills. One was displayed to the meeting. (Pres's Note: The one-letter error which was detected at the meeting will be corrected for the two signs in place, and for the two to be placed in 1995.)

Signs placed in 1994: Furnace Falls Park, Lyndhurst,
Lower Beverley Lake Park, Delta.

Cost of these two signs: \$655.93 (not including substantial donations).

Signs to be placed in 1995: Kendrick's Park (approved by
Twnsp of R of L and L),
Healey's (subject to approval of
owner).

Cost of these two: Approx \$450.00.

- b. Official Plan Summaries. Because of the size of the plans, and because they are continually changing, the President's intention to summarize them for interested members, has been abandoned.

It was recommended that persons contemplating making changes to their respective properties should consult with the appropriate township office.

- c. Site Plan Control Committee. Neither of the members from the LBLPA (Brian Kirby, John Truyens) was present at the meeting, so no report was made.

- d. Sewage Self-Evaluation. The Ministry of Environment and Energy strongly recommends against 'self-evaluations'.

Kevin Lamacraft (MNR) advised that some lake associations use Environmental Youth Corps (EYC) to perform these evaluations and that his office could provide assistance in making application for EYC.

The Executive intends to produce a plan to offer to the Membership.

- e. Shorelands Self-Evaluation. Water Quality and Shorelands Conservation/Restoration are tied together.

A non-profit group called MAPLE is developing a plan for shorelands self-evaluation.

The Executive will investigate and may come up with recommendations for the LBLPA.

7. f. Zebra Mussel Control.

A Decontamination Station, sponsored by the LBLPA, was considered by the Executive, but dismissed as not feasible.

A PBS documentary, broadcast 10 Jun 94, indicated that containment is very unlikely and that coping measures will probably be necessary. In the meantime, all members of LBLPA are encouraged to do all possible to ensure that anything which has been in another body of water is decontaminated before it enters Lower Beverley L.

Mr. Lamacraft advised that

- MOEE has some recommendations for water intake screening devices, some good, some not so good;
- If LBLPA wished assistance, he would provide what he could to arrange a visit(s) of "The Mussel Busters", to decontaminate boats, trailers, etc;
- Zebra Mussel has been reported in the Rideau System from Ottawa to Kingston.
- Other serious threats are:
 - Spiny Water Flea which has no predators, eats plankton and competes with small fish for food;
 - Ruffe, a small fish which was imported into the Great Lakes in ballast tanks of European ships. It is a threat to the nutrients of game fish. For boats which have been used in one of the Great Lakes, before launching into another body of water, on dry land, well away from the water, live wells should be emptied and bilges and motors drained.

g. Membership Fees Collected With Taxes / Grants From Townships.

Neither of these is possible.

The Executive will investigate grants from other sources.

8. REPORTS AND PRESENTATIONS.a. Capital Gains Tax. Michèle LaRose reported on her research:

For U.S.A. citizens which own Canadian property, the situation is different from Canadian citizens which own Canadian property.

As of 22 Feb 94, for the sale or bequeathing of such as a cottage property, the Capital Gains Exemption of \$100,000.00 CEASED.

BUT: For Capital Property owned on 22 Feb 94, the \$100,000.00 Exemption may be claimed if an ELECTION is filed with the 1994 Income Tax Return. When you file an election, you will be treated as if you sold the property on 22 Feb 94 and immediately re-acquired it. The effect of filing the Election can be to considerably reduce the Capital Gains Tax to be paid at some time in the future.

8. a. Capital Gains Tax. (cont)

When filing the Election, you need to know the **adjusted cost base** of the property and its **fair market value** on 22 Feb 94.

The matter is complicated and may have effects on other taxes.

The property owner may wish to hire the services of a **professional appraiser** and / or a **tax accountant**.

An Information Package is available from Revenue Canada. See your (Canadian) phone book: GOVERNMENT OF CANADA / REVENUE CANADA / TAXATION.

Michèle offered to provide other information if she has it.

b. Water Quality. With flip-charts & hand-outs, Don Santos reported:

Data collected consistently since 1984 indicate that the nutrient levels in Lower Beverley Lake (as indicated by Secchi Disc readings and Chlorophyll 'A' analysis) may be classified as Moderately Enriched. While some long-time residents are of the opinion that, because of increased weed growth, the nutrient level is increasing, we don't have adequate 'imperial' data to confirm this. We must continue and expand sampling to obtain a proper data base and watch for trends.

Following the meeting, on 30 Jun 94, of the Executive with reps of the Catarqui Region Conservation Authority (CRCA), Don obtained advice and equipment from the Ministry of Environment and Energy (MOEE) and has expanded the sampling programme.

Volunteers to Help: Millard Goodsell, Denise Jeffries and _____ offered assistance to Don.

Testing in Upper Beverley Lake: Millard Goodsell will try to obtain the name of a person who might take samples in Upper Beverley, from where most of the water for Lower Beverley comes.

Mr. Lamacraft advised:

- Water in Red Horse Lake is good. This water comes from LBL.
- Farmers are becoming more aware of the impact of agriculture on bodies of water and are taking action such as fencing livestock from water bodies.

MOEE Recommendations To Shoreland Residents: Don reviewed the recommended practices concerning:

- | | |
|---------------------------------|---|
| Set-Backs, | Preservation of the Near-Shore 'Littoral' Zone, |
| Soil and Vegetation Disruption, | Preservation of Natural Trees and Shrubs, |
| Sewage Disposal Systems, | Restoration of Cleared Shoreline. |

c. Lower Beverley Lake Township Park. Michèle LaRose introduced Mr. Patrick Mathieu, the Park Superintendent appointed in 1994.

Michèle reported about the park:

- Established in 1967 as a Canada Centennial project.
- Size: 106 A plus approx 85 A devoted to nature trails.
- Beaches: Two sandy beaches where swimming lessons are given. /5

8. c. Lower Beverley Lake Township Park. (cont)

- Playground and Ball Diamond are available.
- Nature Trail may be opened for Cross-Country Skiing.
- Campsites: 180, plus 30 overflow sites.
- Open: May 15 - Oct 15.
- Usage: 1993: 33,000;
1988 and '89: 38,000.

Boats being brought is on the increase. About 20% of the parties bring boats.

Highest Usage: July, with about 58% of sites used.

Mr. Mathieu answered questions from the members:

- School Use of the grounds and trails: He favours this and hopes to make arrangements.
- Number of Staff: 9.
- MOEE, Health Unit and MNR Assistance: Regular checks are made by MOEE and Health Unit of drinking water, swimming water and sewage disposal.
MNR does not have the money to do as much fish-stocking as they would like to do.
- Future Plans: Up-grading the boat ramp;
More camp-sites not likely as not now used to capacity.

Mr. Mathieu expressed his desire to work as closely as possible with the LBLPA.

Doug Kilpatrick, on behalf of the membership, expressed thanks to Mr. Mathieu for taking time to participate in the meeting, for his assistance in making arrangements for the meeting, and for the expression of his desire to work with the Association.

d. Purple Loosestrife. Doug Kilpatrick advised of experiments under way in Ontario with a beetle which destroys the plant.

Because the plant is destroying wetlands which act as water filters and provide habitat to desirable species of plants and animals, all members of the Association were encouraged to destroy the plant before it can set seed.

9. NEW BUSINESS.

a. Financial Support For Future Activities. Doug Kilpatrick stated

- Estimated costs for Boat Ramp Signs for 1995 is \$450.00;
- If we become involved in a project with EYC, there are likely to be costs for such as boat motor fuel. (Mr. Lamacraft advised that the wages for the EYC members would be met by the Province.)
- If we are to become involved in such as bacterial testing, there will be lab costs.
- Membership in the Federation of Ontario Cottagers' Associations is about \$200.00 per year.

For these reasons, Doug recommended a membership fee increase to begin building capital for future activities.

Mary Santos recommended that for psychological reasons, the fee should be kept to less than \$10.00.

9. a. Financial Support For Future Activities. (cont)

MOTION: Moved by Millard Goodsell, Seconded by Frank Ellis

that the **Membership Fee for 1995 be \$9.00** (nine dollars) with further increases requiring the approval of the Membership after the Executive provides detailed estimates.
Carried.

- b. Format of Future Meetings. Doug Kilpatrick stated that after the Annual Meeting of 1993, two or three members had suggested a change in format. The persons who made the suggestion were not present.

BY CONSENSUS, it was agreed that the format for the 1995 Annual Annual Meeting would be the same as 1994:
a Registration period, Business Meeting period and a Picnic/Social time.

c. Help Wanted.

Flyer Distribution in First Week of July, previous to Ann'l Mtg:
Michèle LaRose asked for volunteers to take over from the people who have been doing this for many years.

Doug Kilpatrick suggested that some volunteers might be found in the 30 or so people who, on their Membership Registrations, had indicated they were available for 'something'.

d. Voting By Proxy In Municipal Elections. Doug Kilpatrick:

- The necessary steps were reviewed.
- It was pointed out that this is open to Canadian citizens only.

e. Length of the Business Meeting.

Mary Santos recommended a shorter business meeting with time allocated to each item on the agenda.

MOTION: Moved by Bert Angermann, Seconded by Denise _____
that the **length of the business meeting be one hour.**

Discussion:

Frank Ellis: Difficult to limit time. Would like to see the Association more active on the lake.

Valerie Wisnosky: The only way all items could be properly considered would be to have more meetings and this is not feasible.

The motion was defeated.

10. THANKS TO EXECUTIVE. Doug Kilpatrick expressed thanks to the members of his Executive, stating that he had found them MOST willing to take on initiatives in a reasoned, enthusiastic manner. Irene Goodsell expressed thanks to Doug for his work "behind the scenes".

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ANNALS 23 Jun 19 84

shoot 4/4

+ Treas's

+ Walter Dambly

8 sheets

11. NEXT ANNUAL MEETING.

BY CONSENSUS: Date: Saturday, July 22, 1995;

Time: Registration 2:00 p.m., Bus's Mtg 3:00 p.m.

Place: Lower Beverley Lake Township Park,
Pavilion near the Gate House.

12. DOOR PRIZES. Don Santos conducted the draws for Bastard and South Burgess Bicentennial Wine and T-Shirts, and Forfar Cheese. Winners (not respectively):
- | | |
|-----------------|-------------------|
| Anne Love, | Michèle LaRose, |
| Frank Ellis, | Millard Goodsell, |
| Betty Penstone, | Al Brown. |

13. ADJOURNMENT.

MOTION: Moved by Don Santos, Seconded by Bert Angermann
that the meeting adjourn.

Carried.

Adjournment was at 5:05 p.m.

The picnic and social time followed.

(Notes for these minutes were taken by Secretary Kathie Neiley. However, before she could type them, she found it necessary to resign. The minutes were typed by Doug Kilpatrick.)

Doug.

Douglas M. Kilpatrick,
resident.

ANNUAL 23 Jul 1994
TRANS'S

LOWER BEVERLEY LAKE PROTECTIVE
ASSOCIATION

FINANCIAL STATEMENT
as of July 22nd, 1994

BALANCE AS OF JULY 23rd, 1993 \$ 1,279.39

EXPENSES

Picnic expenses - 1993		
Picnic supplies \$21.47		
babysitting \$20.00	41.47	
Federation Ont. Cottagers Ass'n membership	170.13	
Newsletters, photocopies, postage envelopes & rubber stamp	449.69	
Printing of cheques	13.45	
Signs at two boat ramps		
Delta Township Park & Lyndhurst	655.93	<u>1,330.67</u>
		- 51.28

RECEIPTS

L.B.L.P.A. - Decals	3.50	
Membership since July 23rd, 1993 to July 22nd, 1994	746.00	
Bank Interest - Nov. 1st, 1993	1.68	
- April 30th, 1994	<u>1.37</u>	<u>752.00</u>

BALANCE AS OF JULY 23rd, 1994 \$ 701.27

(not included in these figures is the money collected for both the Bastard and South Burgess Fire Department of \$262.00 and Rear of Leads & Lansdowne \$10.00)

(90 paid up members for 1994 - June onward)
after newsletter went out

3. TROPHISM: Describes the extent of biological productivity of a body of water.

Considers factors such as: Nutrient concentration, Plant and animal communities, Transparency, Physical dimensions, Dissolved oxygen with depth, Frequency and intensity of algal "blooms",

Classifications of Trophism: Oligotrophic: Nutrient poor / unenriched;

Eutrophic: Nutrient high / enriched;
 Mesotrophic: Nutrient moderately enriched.

<u>CLARITY</u>	<u>CHLOROPHYLL</u>	<u>DEPTH</u>	<u>SHORELINE</u>	<u>FISH POPULATION</u>	<u>RECREATIONAL SUITABILITY</u>
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<u>OLIGOTROPHIC</u> (Unenriched)	Low. LESS than 3 ug/L.	Deep. Greater than 30 m.	Sparse aquatic plants.	Fair angling catch. Stable. Often lake trout.	Well-suited.
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EUTROPHIC (Enriched)

Poor. Secchi Disc LESS than 3 m.	High. GREATER than 6 ug/L.	Shallow. Less than 10 m.	Weedy, Muddy.	Better. (High nutrient.) No lake trout. Probably pickerel, bass.	Poor.
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MESOTROPHIC (Moderately Enriched)

Moderate. Secchi Disc 3 - 5 m.	Moderate. 3 - 6 ug/L.	Moderate. 10 - 30 m.	Moderate. "Intermediate" aquatic plants.	Maybe both warm and cold water species.	Moderate.
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BASES OF MORE CLASSIFICATION: Because Secchi Disc and Chlorophyll may be easily objectively measured, MCEP uses these.

IF Secchi Disc GREATER than 5 AND Chlorophyll LESS than 3, THEN Oligotrophic. (Unenriched.)
 " " " LESS " " 3 " " " GREATER " 6, " " Eutrophic. (Enriched.)
 Other bodies of water are Mesotrophic.

WMK/AA 23 JUN 1994
 Water Quality sheet 6/8

COTTAGERS' SELF-HELP PROGRAM (MOEE) for 1993, Published Jun 94. Graph up-dated annually by Lower Beverley Lake Assoc'n.

Jul 95

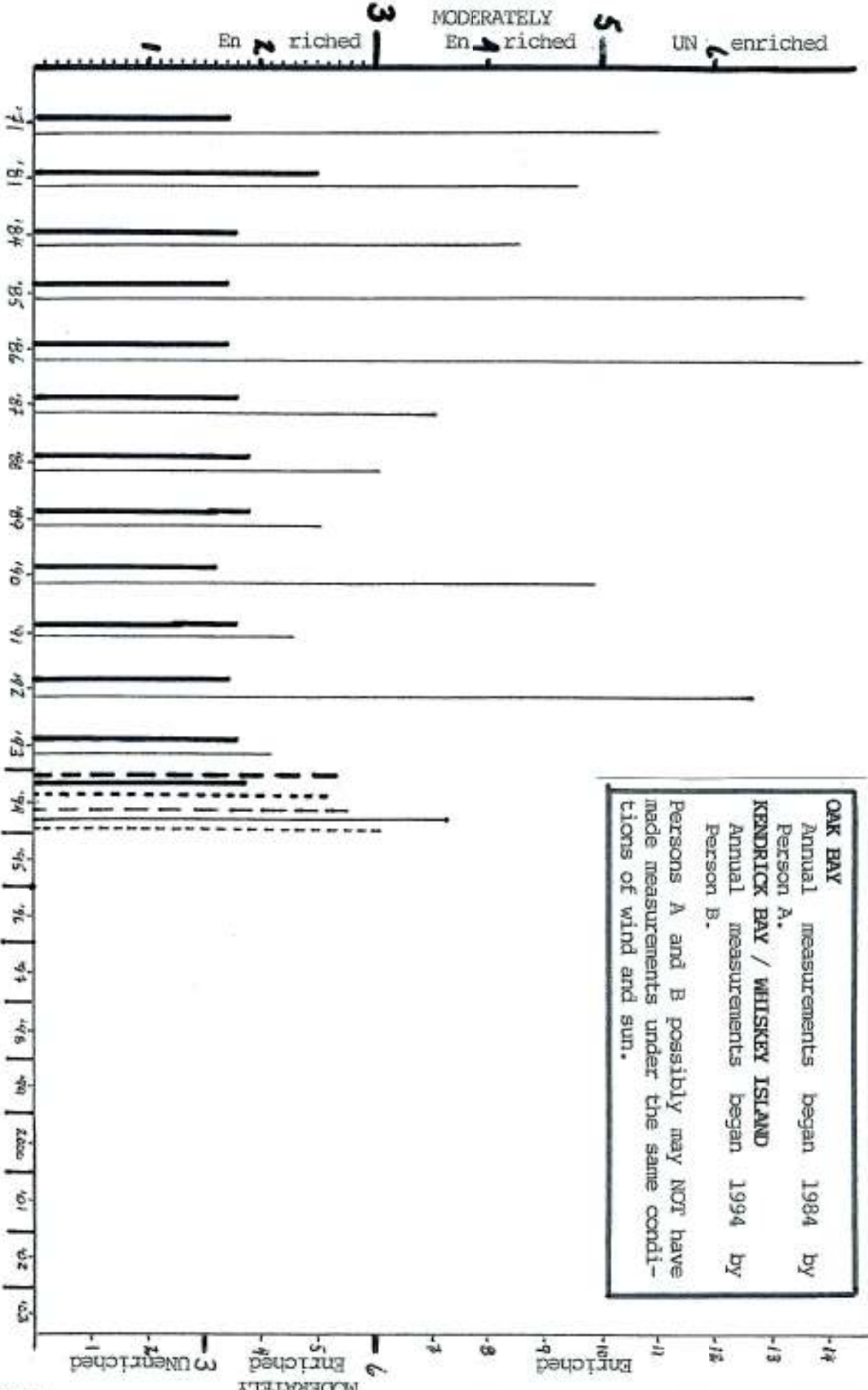
LOWER BEVERLEY LAKE --- MEASUREMENTS MADE / SAMPLES TAKEN, MINIMUM 6/SEASON.

Watershed Area: 281.80 sq km
 Surface Area: 766.0 ha
 Max Depth: 25.90 m
 Volume: 70.2 mill cu m

Shoreline: 44.00 km
 Cottages: 247 + 13 homes
 Resorts: 4
 % Crown Land: 0.00

KENDRICK BAY ---
 OAK BAY _____
 WHISKEY ISLAND - - - - -

FOR ANY YEAR, THE GRAPH SHOWS THE MEAN OF THE READINGS FOR THE YEAR.



OAK BAY
 Annual measurements began 1984 by Person A.
KENDRICK BAY / WHISKEY ISLAND
 Annual measurements began 1994 by Person B.

Persons A and B possibly may NOT have made measurements under the same conditions of wind and sun.

(The greater the number, the more algae.)

CHLOROPHYLL 'A' in ug/L (Micrograms per litre.)

WATER QUALITY sheet 2/8
 23 Jan 1994
 KENNETH

PLEASE SEE OVER

COTTAGERS' SELF-HELP PROGRAM

ENRICHMENT STATUS OF LAKES IN THE SOUTHEASTERN REGION OF ONTARIO, 1993.

Published JUNE, 1994 by the Ministry of Environment and Energy of Ontario,
(MOEE).

Received by Pres of LBLPA 11 Jul 94.

PRESIDENT'S SUMMARY, NOTES and OPINIONS.

1. EUTROPHICATION: The nutrient enrichment of waters and the attendant increases in biological productivity.
 - Shoreline development increases plant nutrients, esp Phosphorus, Nitrogen.
 - Some plant growth (aquatic weeds, algae/phytoplanktons) is necessary for a healthy lake.
 - Too much plant growth is undesirable for recreation.
 - Dead algae sink to bottom where their decomposition uses oxygen required by fish, other aquatic animals.
- b. Sources of Nutrients (Phosphorus and Nitrogen):
 - i. Natural, from minerals in the watershed.
 - ii. Human Activity:
 - (1) Disturbing terrain and ground cover increases rate of nitrification.
 - (2) Manure and fertilizers in watershed.
 - (3) Domestic Sewage:
 - Septic Tank/Leaching Bed system:
 - Bacteria removed effectively;
 - Phosphorus & Nitrogen NOT always removed effectively; travel to waterbody through groundwater.
- c. Limiting Source of Nutrients:
 - i. Shoreland Development: restrict, control.
 - ii. Manure and Fertilizers: use with increased care.
2. GATHERING BASE DATA ON EUTROPHICATION. (MOEE and other agencies do NOT have the resources to gather data.)

Cottagers' Self-Help Program:

 - a. Cottagers: - Secchi Disc measurements,
 - Water samples: Collect and deliver to MOEE.
 - b. MOEE: Provides: Secchi Disc, Shipping costs,
Other measuring eqpt, Lab work for algae
Instructions, measurement,
Forms, Computer services,
Shipping materials, Interpretation service.
 - c. Secchi Disc Visibility Depth Measurement for Water Clarity:
Single sampling location -- central or open water -- well away from shoreline influences;
 - Euphotic Zone: From surface of water to lower depth of light penetration. (Twice Secchi Disc depth.)

COTTAGERS' SELF-HELP PROGRAM (MOEE) for 1993, Published Jun 94.

2. GATHERING BASE DATA ON EUTROPHICATION. (cont)

- d. Water Sample Collection for algae measurement: (Measures Chlorophyll 'A'.)
Same location as Secchi Disc -- Collected from Euphotic Zone -
Preservative added, Sample sent to MOEE within one or two days.
- e. Background Info for interpretation is provided via a form by cot-
tager who collected.

Valid Observations, Sampling: NOT less than 6 (12 or more desirable)
at regular intervals
End May to Beginning of Oct.

Temp and Rainfall over summer cause variations.

IN 1993:

1993 Avge for 106 Lakes

Lower Beverley Lake (1993 Mean of 6)

Secchi Disc:	4.1 m	1.8 m	(Higher number is clearer water.)
Chlorophyll:	2.6 ug/L	4.2 ug/L	(Lower number is less algae.)

(Pres's Opinion: This does NOT necessarily mean that Lower Beverley Lake has a problem.
It means that in 1993, LBL was not as clear as, and had more algae than the 'average' lake in Southeastern Ontario.)

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COTTAGERS' SELF-HELP PROGRAM (MOEE) for 1993, Published Jun 94.

MOEE'S RECOMMENDED PRACTICES TO PREVENT OR MITIGATE ADVERSE IMPACT OF RESIDENTIAL USE OF SHORELANDS.

(Most are to minimize additional nutrient into lake.)

1. SET-BACKS: New Construction and Septic Systems.

- Ensure (Township) requirements are met.
- Allows phosphorus to be taken up by vegetation BEFORE reaching lake.
- Preserves natural beauty of shoreline.

2. SOIL and VEGETATION DISRUPTION.

- During construction: MINIMIZE.
- Restore and replant asap to minimize runoff / erosion.
- Avoid impermeable walk-ways and driveways.

3. SEWAGE DISPOSAL SYSTEMS.

- Ensure construction / installation in accordance with Provincial Regs.
- Pump out (3-5 years) to prevent plugging of leaching bed.
- Area over leaching bed:
 - open to sun and wind;
 - allow small vegetation;
 - protect from compaction by vehicles, including snowmobiles.
- If foul odours or water surfacing on leaching bed, obtain advice:
MOEE: 1-800-267-0974 or Health Unit: (613) 345-5685.
- AVOID OVER-LOADING WITH:
 - Large volumes of water,) Avoid using automatic dishwashers,
 - Detergents with high phosphate.) washing machines.

4. PRESERVE THE NEAR-SHORE 'LITTORAL' ZONE. It supports most of the plant and animal life in the lake.

- Any shore-line work requires MNR Permit: Cutting weeds,
Stabilizing banks,
Removing rocks or stumps
from water,
Building a dock,
Dredging,
etc.
- Permit is free. Fines can be large. Allow much lead time.
MNR
BOX 605 (613) 342-8524.
BROCKVILLE ON K6V 5V8.

5. PRESERVE A BUFFER OF NATURAL TREES / SHRUBS:

- between lawn and lake, (If a lawn, avoid over-use of fertilizers, chemicals.)
- OR
- leave / return entire lot to natural state.

6. RESTORE CLEARED SHORELINE TO NATURAL.

Help available from MAPLE
BOX 271 (613) 264-8653.
PERTH ON K7H 3E4.

END.