

CAPTAIN OTTY'S LOG

NEWSLETTER OF THE OTTY LAKE ASSOCIATION

October 2001

President Dick Atkinson

Editor Keith Fraser

Message from the Board

The July 14th Annual General Meeting was well attended with over 100 present. Excellent information was presented on water quality, conservation (excerpts by Susan Brandum contained in this newsletter), loons, fish and Township programs. Information Packages and new maps were distributed.

Many thanks to the outgoing President and Secretary, Brian Perkin and Rhoda Atkinson, and welcome to the newly elected President and two Vice Presidents, Dick Atkinson, Karen Hunt and Wendy Hassard. Thanks to Tom Foulkes for long service as Land Use Chairperson. Welcome to Bill Hale in this position and also to Willie Newsome as chairperson of the Services Committee. Welcome to the incoming Committee members Krystyna Tarkowski, Mike Tarkowski, Herb Robertson, Jim Coward, Bill Howie and thanks to all the Board, Committee and Counselors who are continuing their work for another year.

The first priority of the 'new' Board is to continue the excellent programs of the Committees; water testing, township liaison, lake map, information packages, newsletters, loon and fish reports, financial, minutes and mailing. The Board asks for your support in maintaining, and if possible, improving the lake environment.

And at the mention of support, many thanks to those who have sent fees. The Board and Committees List in this Newsletter shows the volunteers who donate their time for your benefit. Membership fees cover expenses - the two largest being the water testing program and the Newsletter costs. The \$15 annual fee is an excellent value compared to all the surrounding lake associations whose fees are two to five times as much. Last year an OLA project resulted in the reclassification of the Hydro-Electric rate to 'high density' which is saving all residents over \$150 a year. If you have not already sent in your 2001 fee, please support the worthwhile lake programs by sending a \$15 cheque to: Otty Lake Association, 20 Mancil Drive, Ottawa ON, K2J 2J5.

THE FUTURE OF THE LAKE QUALITY Call to Action in the Present

Predicting the future is prone to speculation and often results in a 'no-action' or 'wait-and-see' view of the future. Fortunately, we are able to look at the past, thanks to our water testing program, and see what has been happening. This is the 29th year of water testing, and over this time, the number of residents has

increased, and about 38% of the residents are permanent (62% seasonal). Our water sampling program has shown an unmistakable 3-fold increase in faecal count compared to 29 years ago. Although measurements of lake clarity and total phosphorus levels have remained essentially the same, complaints of weed growth have increased, indicating nutrient enrichment. If no action is taken, it is reasonable to expect that these trends will continue, causing long-term lake quality deterioration. [Otty Lake is in the middle of the 'trophic scale, oligotrophic (really good)-mesotrophic(not bad) - eutrophic range (very bad). It would be a shame for our lake to deteriorate past the mid-mesotrophic range].

Our lake receives its water from rainfall and rainfall on the surrounding land. The rain on the land finds its way into the lake as runoff near the lake and through the groundwater system from the surrounding areas. Other than a few small creeks, there is no other fresh water inflow, so the quality of the groundwater and the runoff are the determinates of lake water quality.

What can we do to lessen and minimize the impact of the groundwater and run-off from our residences? This is not about municipal rules and regulations, but is an appeal for residents to voluntarily adopt some environmental actions that will hopefully halt the long term increase, described above, and may lead to a long term decrease. Interested? Let's divide these environmental actions into two groups and list the 'indoor' ones in this newsletter and the 'outdoor' ones in the next newsletter.

Action 1. Ensure your septic (waste system) is functioning properly and efficiently. Have your septic tank pumped periodically. This removes the sludge that contains nutrients and restores the tank to full efficiency. True, there are tanks that have never been pumped and seem to be working OK, but you can be sure they are not efficient, and the leaching bed is being filled with solids. Small tanks (500 gal or smaller) should be pumped every 2 years, and large tanks (800 gal & up) every 4 years. Cost is about \$100.

Action 2. Improve groundwater quality by less water flow through our waste systems.

a) Convert old 18 litre *flush toilets* to low volume 6 litre flush types. This will immediately improve the efficiency of your septic system, and the reduced flow allows more time for the effluent to purify itself on its way down to the groundwater, and hence to the lake. Toilets older than 15 years should be replaced and this would cost \$150 plus installation. If this is too much, a water reduction or displacement device could be installed for less than \$15. Two plastic 2 L bottles could be filled with water and placed in the ends of the toilet tank and save 4 litres per flush.

b) Instal a water-saving *shower head*. Cost \$5

c) Repair *dripping taps*.

Action 3. Reduce the nutrient content of what goes into your waste system, and use products that do not impact the bacterial action of the septic tank.

a) Almost all of the available dish-soaps are phosphate free. To keep the waste system at peak efficiency, check labels and avoid 'anti-bacterial' or 'contains chlorine' as well as avoiding phosphates.)

b) Be sure to use a dishwasher detergent without phosphate. Phosphate- and chlorine- free dishwasher soaps are available in Perth and Portland. If you don't use phosphate-free, use the liquid/gel type that contains 1/3 less phosphate than powder, and use the dishwasher only when you have to.

c) Use sink and toilet cleaners labeled 'environment friendly' and are phosphate- and chlorine- free.

These actions and the ones that will be recommended in the next newsletter will greatly reduce nutrient 'loading' and hopefully prevent further deterioration of water quality. There are no regulations or laws that require you to do this – only your desire to preserve the lake and maintain a good living environment for yourself and your children.

Please do not hesitate to contact any OLA Board member if you would like further information.

PHOSPHATE-FREE CLEANING PRODUCTS

Phosphates are a leading cause of water quality deterioration. The following products will help us reduce phosphates in Otty Lake:

Liquid detergents, carried by supermarkets, have less phosphates than powders.

A phosphate-free and chlorine-free dishwasher detergent powder is available in concentrated form. One manufacturer is *Shaklee* and its products are available from the *Chiropractic Care Centre* at 55 North St., Perth. Other phosphate-free products, including an all-purpose cleaner and a liquid laundry concentrate, are also available.

The Foodsmiths on *Wilson St.* in Perth carries an extensive line of phosphate-free products under the brand name *Nature Clean*, including a phosphate-free dishwasher powder.

Many regular dish detergents (for regular hand washing) are phosphate-free and are available at your supermarket. Be sure to check the label.

Drydock, in *Portland*, carries an extensive line of environmentally friendly products, including a line of cleaning products. The water-saving shower head costs \$5.00 and a water reducing flush device for your toilet is \$10.00.

SAILING RESULTS

The annual Otty Lake regatta took place on September 2, in winds that varied from light to medium to exciting. The sailors navigated around a triangular course - to Mary Miller's Bay, over to Farmer's Point, up to Flett's Rock and back to the starting point at Apatite Bay.

Last year's champion Dale Frieseen, with mate Erica Frieseen, and carrying a handicap of .85, was first to cross the finish line, in a time of 1:10:06. But close behind, with handicaps of .77 were three Laser Is. So when the handicaps were calculated, the First Prize - and the Commodore's Trophy - went to the Laser I

crew crewed by Gillian Burrell (ag 9) and Dave Code (no age provided). However, the boat was reputed to be almost as old as the owner.

Second place went to Brian Burrell, sailing a Laser I for the first time, and Third place was won by Herb Robertson, also in a Laser. Other competitors, in order of finish, were Judith and Brian Robertson in a Albacore, Erica (age 9) and Dale Friesen in a Laser II, Lorne Roseborough and Peter Code in a Kestrel, Susan Code and John McDougall in a Princecraft, and Doug Overhill in his catamaran. Judges were Heather Code-Burrell and Mike Pratt.

When all sailors were safely in harbour, refreshments were taken on the lawn. The trophy has an interesting history as well as an imposing appearance. Initially donated by one of the early winners in the 1970s, it carried a provision that each winner is required to add to or otherwise improve the trophy. The result is an impressive size and of course a splendid beauty.

ENVIRONMENT & HEALTH *Lorne Gold*

Faecal count measurements

The results of our faecal coliform measurements at 32 stations for 6 times during the summer are presented in the table. The lake average for the summer was 4.3 counts per millilitre (counts/mL), the average for last year was 1.95 counts/mL. The expected average based on the 29 years of record is 6.6 counts/mL. We measured the coliform count on three of the sampling dates to obtain a comparison of that water quality indicator with the associated faecal count. As the e-coli count is included in the faecal count, it was always less than or equal except for one case of a count less than 10 that could be considered a random fluctuation. For both faecal and e-coli coliforms count of 10 or less is considered good for swimming and greater than 100 is considered bad. There were only 8 measurements greater than 40. Drinking water must have zero count. Values greater than 100 are thought to be due to transient animal activity. The stirring up of the lake bottom by waves may have contributed to the higher value for the lake average faecal count over that of last year.

Phosphorous level measurements

Some property owners have been experiencing problems with weeds. Excessive weed growth indicates the presence of nutrients, especially phosphorous. During the last two sampling sessions, we obtained samples for measuring the phosphorous level at the lake edge of two weed beds and at the

middle of the lake. At one weed site, the readings were 3 and 12 micro-grams per litre (ug/L) and at the other 15 and 16 ug/L. These compare with 8 and 15 ug/L at the centre of the lake. Weed growth at the site with 15 and 16ug/L was considerable greater than at the site with readings of 3 and 12ug/L. We plan to take readings next summer at the shore side of high weed growth areas to obtain information on the level and possible sources of nutrients.

FOR LOVERS OF OTTY LAKE *Amy Pokorny*

For new property owners, the last thing you really need is a smooth lawn right to the water's edge. Even long time residents and all-season ones would do a kindness to Otty if they reverted to a meadow-like margin of unmown grass, deep rooted low perennials, ground cover or dwarf shrubs. Your choice would depend on the steepness of the descent to the water. If the area is stony and difficult for the lawnmower, give up and try an invasive vine such as Virginia Creeper.

A shoreline with vegetation is a vital buffer and an effective erosion deterrent. After a heavy rainstorm, which tends to wash harmful garden sprays, fertilizers, insecticides, etc into the lake, good root systems retain such substances.

If you have a low-lying margin of bulrushes and other swampy plants, Nature put them there and they are very difficult to eradicate. The government does not permit fill. Such vegetation is the necessary habitat for many kinds of wild life - birds, frogs, turtles and fish. Fish enjoy the shade offered by trees fallen into the water. Try to enjoy the beauty of bulrushes.

Last summer's drought has apparently killed many shrubs and trees, especially those on shallow soils. Wait and see next spring if some resuscitate or perhaps have suckers. If you are unsure, in some cases you might seed in some annual vines, inviting them to climb up the skeletons. Sweet Peas, Morning Glory, Scarlet Runners, Climbing Nasturtium would be a few candidates. If you must replace some trees, birches and poplars are fast-growing. If you have a number of unsightly stumps in a conspicuous place, try disguising them with vines. Several wild ones that thrive in part shade and can be found in local woodlots are Moonseed, Bittersweet, Virginia Creeper and Virgin's Bower.

For important undertakings, such as wharves and lakeside decks, which should not greatly intrude

on the lake or interfere with the usual fish spawning beds, you can ask advice of the Mississippi Valley Conservation Authority (613.259-2421) or phone Natural Resources at Kemptville. However, in practice, all you really need to do is look through the material in the OLA handout package this summer to learn enough about docks.

DIAGNOSING YOUR SEPTIC SYSTEM PROBLEM

Excerpt from the presentation at the AGM by Susan Brandum

How do you know if your septic system is not healthy and may be contributing phosphorous or untreated waste to the environment?

In the worst case scenario, effluent "breaks through" on the surface of the bed. The bed may smell, be wet, or it may be spongy to walk on. The bed may be saturated – in other words, its life may be over and it may need to be replaced. Or, there simply may not be enough soil cover over the pipes.

You may be getting water backing up or odours in the house. Again, the bed may be saturated, or especially in an older system, the pipe connecting the tank and bed may be corroded and broken.

You may have extra or greener plant growth over the leaching bed area. In this case, you're clearly overfeeding the system. This may be because the septic tank is too full, waste water flows from the house are too high, or possibly because the baffles in the tank are corroded or non-existent. It's mandatory on new systems to have baffles to keep solids from moving into the bed and you can buy retrofit baffles for older systems.

Your toilets and sinks are draining slowly. The septic tank may be full of sludge and need to be pumped, the system may be partially blocked or the plumbing vents may not be properly connected.

So, how do you avoid getting into this situation? Here are three key practices:

1) **Don't overwater.** Don't have a shower, run the dishwasher and clothes washer all at the same time. Space laundry loads out over a few days. Drain your water softener into an approved leaching pit. Drain eavestroughs away from the bed. One study found that 75% of septic failures resulted from overwatering.

2) **Don't overfeed.** Get your septic pumped every 2-3 years.

3) **Don't poison.** Basically, only human waste and water should be going down your septic system. Here's the long list of things that should not go into your septic:

Cooking grease, meat scraps, bones, food waste – they can solidify and clog pipes. Put meat and fat related in the garbage and compost vegetable waste.

Cigarette butts, paper towels, sanitary pads, tampons, and applicators, condoms, disposable diapers, anything plastic or similar non-biodegradables. Put in the garbage.

Oils, gasoline, paints, varnishes, paint thinners, solvents, photographic and art chemicals, pesticides such as weed and insect killers, nail polish remover, medications – these chemicals kill the bacteria in the tank and stop the digestion. Take to a Household Hazardous Waste depot.

Caustic drain openers and toilet bowl cleaners – these kill the bacteria. Take to a Household Hazardous Waste depot.

Detergents or cleaners which contain phosphorous. Use phosphate-free products.

Hair. Use hair traps in sink and tub drains and compost the hair.

Coffee grounds, dental floss, kitty litter, gauze bandages. Compost coffee grounds and put the rest in the garbage.

If you use chlorine bleach, use it sporadically, not consistently – chlorine kills the bacteria but the tank will recover if it is not consistently bleached.

Anti-bacterial soaps – it is believed these kill the tank bacteria, so use in moderation, if at all.

WINTERIZING YOUR COTTAGE PLUMBING

Ten Commandments for avoiding freezing and associated problems

1. To be absolutely safe, "winterize" shortly after Thanksgiving and turn the system back on in late May.
2. First turn off the power to the water pump and hot water heater.
3. Open all taps, valves and drain cocks. Drain the ice-making lines in the fridge and in water purification systems.
4. Drain the hot water tank. CAUTION: water may be scalding hot.
5. Flush toilets and sponge out both tank and bowl.
6. Put plumbing type antifreeze in both tank and bowl.
7. Put plumbing type antifreeze in all sink and tub drains.
8. If the cottage is not designed for gravity draining, then lines must be blown out with an air compressor.
9. Disconnect water pump and remove drain plugs on pump. If the pump is connected with flexible pipe, you may turn the pump upside down to drain trapped water.
10. Remove foot valve and drain all water from the intake pipe. Make sure the pipe is plugged if it is in an open area.

NO RAIN

The desperate lack of rain over the summer is causing financial and environmental problems throughout the Rideau Valley. Water levels are at their lowest point since records began; exposed, parched streambeds, surface drying in wetlands, dry shallow wells, brown pastures. Everyone is asked to conserve water as much as possible. October rains are helping but the watertable is much lower than normal.

TAY WATERSHED PLAN

The Tay River Watershed Plan should be available for public reading in November. The Rideau Valley Conservation Authority is completing the Watershed Planning Guidelines, which incorporates eight years of experience into one useful framework.

OTTY LAKE ASSOCIATION FINANCIAL REPORT

JAN 01, 2000 - DEC 31, 2000

Balance Jan. 01, 2000
On deposit, CIBC, Barrhaven \$ 4103.51
GIC due, July 28, 2000 5000.00

TOTAL ASSETS JAN 01, 2000 \$9103.51

REVENUE
Memberships 5141.15
Bank Interest 4.25
Interest on GIC 182.50

TOTAL REVENUE \$5327.90

EXPENSES

Water Testing - Sample Collection 956.00
Lab Fees 1027.20
Newsletter/Printing/Postage 1878.29
FOCA 352.03
FOCA Conference Fees 150.00
Board Members' Expenses 147.97
Information Handouts 131.39
Annual General Meeting 97.96
Insurance 191.25
Loon Survey 18.00
TOTAL EXPENSES \$4950.09

Income over expenses in 2000 \$377.81

BALANCE DEC. 31, 2000

On Deposit CIBC-Barrhaven 4481.32
GIC due July 31, 2001 5000.00

TOTAL ASSETS ON DEC. 31, 2000 \$9481.32

OTTY LAKE ASSOCIATION PROPOSED BUDGET FOR 2001

INCOME

330 Memberships @ \$15 \$4950.00
Bank and GIC Interest 226.50

TOTAL INCOME \$5176.50

EXPENSES

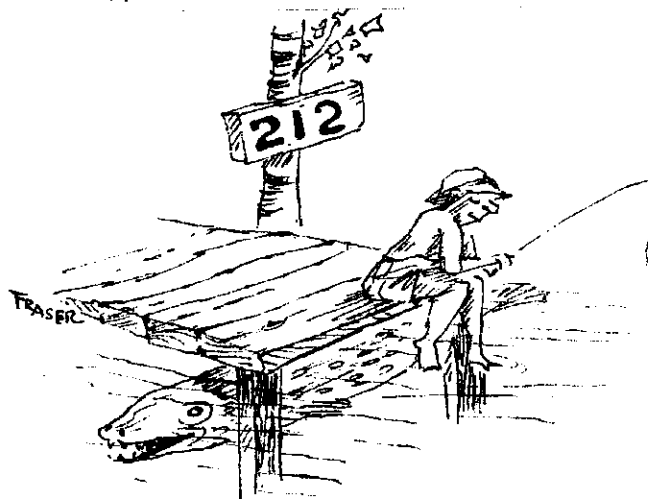
3 Newsletters 1500.00
Executive Printing and Postage 300.00
Watertesting:
Dawson Girdwood \$600+GST 642.00
Lab Fees 1600.00
2 water sample collections 150.00
FOCA 350.00
FOCA Conference Fees 100.00
Loon Survey 50.00
OLA AGM 80.00
President's Expenses 1999 100.00
Board Expenses 400.00
Membership/Counsellor Expenses 125.00
Information Package 150.00
Contingency 450.00
Map Reproduction 435.00
Insurance 361.80

TOTAL EXPENSES 6793.80

Expenses will exceed revenue in 2001 \$1617.30

DO YOU KNOW?

A property owner off Long Lake Road reported that an exploration company placed mining stakes on their property, and that mining claims have been filed on several lots in BBS. The OLA would be interested to know if any lakeshore property has been similarly staked. If so, please advise the Land Use Committee.



SUGGESTION:

EXHIBIT YOUR LOT # ON YOUR WATERFRONT

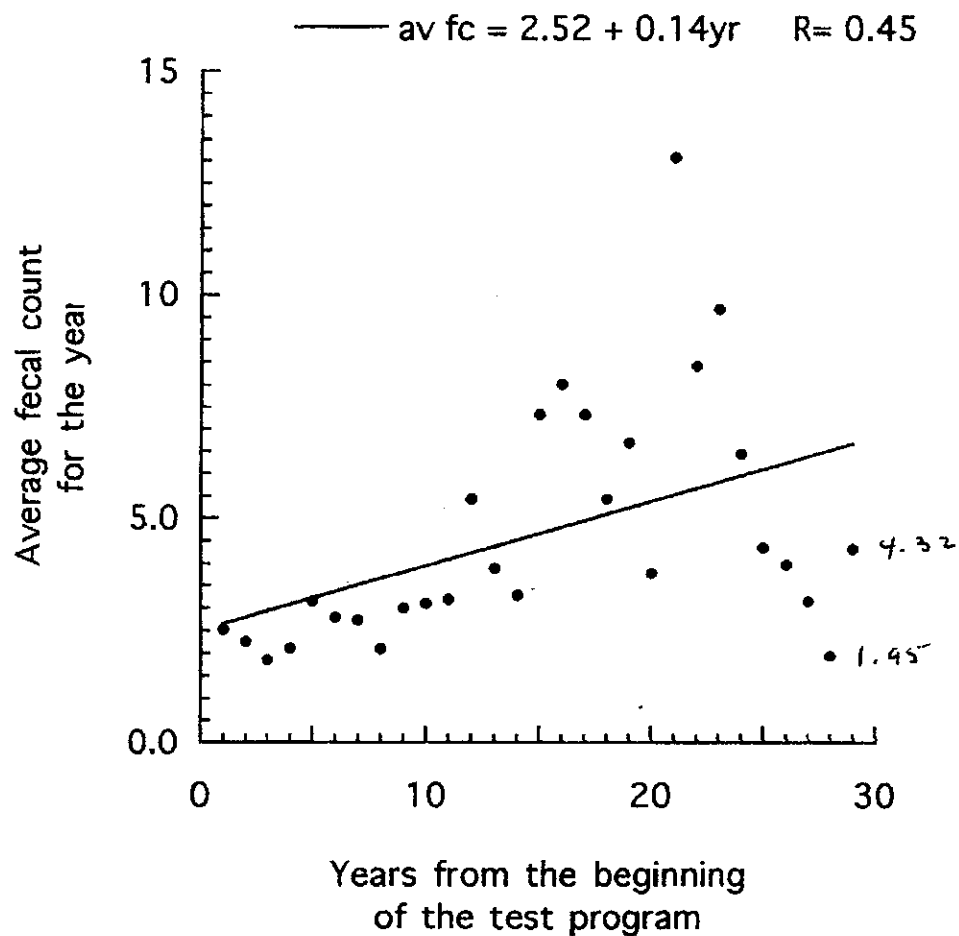


FIGURE 1
Dependence of logarithmic
mean annual fecal count
on time in years

Fecal count measurements, 2001

date	6/10/1	7/3/1	7/23/1	8/7/1	8/20/1	9/4/1
station	fecal	fecal e-coli	fecal	fecal	fecal e-coli	fecal e-coli
1	40	0 0	1	2	15 6	5 5
2	146	2 1	3	6	5 2	7 1
3	0	198 192	52	1	4 0	19 1
4	1	4 1	0	1	0 0	2 1
5	3	3 2	2	1	2 0	3 1
6	0	3 0	0	1	13 0	2 1
7	7	4 0	6	2	5 0	4 1
8	0	10 2	1	0	10 0	6 1
9	1	9 7	4	0	7 0	4 2
10	2	4 3	1	0	6 0	10 1
11	0	2 0	0	2	2 1	2 1
12	0	2 0	2	0	8 7	3 1
13	0	92 75	1	0	1 2	2 1
14	2	3 0	4	0	5 0	3 1
15	3	4 0	3	5	0 0	4 1
16	2	3 2	6	1	6 1	2 1
17	3	4 3	32	7	19 2	25 1
18	1	2 1	4	1	0 2	9 1
19	1	3 1	190	2	1 1	7 2
20	1	2 1	6	1	10 5	9 2
21	184	6 1	29	23	38 17	16 16
22	5	2 1	10	3	2 2	4 1
23	1	6 3	31	1	5 1	23 19
24	9	9 6	84	0	54 14	6 1
25	1	8 4	26	12	6 6	12 5
26	8	15 13	12	4	6 0	7 1
27	8	6 0	21	2	3 2	10 2
28	12	10 1	38	3	2 6	17 9
29	4	4 3	7	12	4 4	14 14
30	5	5 2	5	11	13 13	11 10
31	4	6 3	9	1	23 5	3 1
32	1	3 0	7	3	4 0	11 3



OTTY LAKE
PERMANENT
RESIDENTS

Board

President

Dick Atkinson 267-4587
20 Mancil Dr 825-5619
Ottawa K2J 2J5
atkinsonr@sympatico.ca

Vice President

Karen Hunt 264-9273
R.R.5 Perth K7H 3C7
mkhunt@perth.igs.net

Treasurer

Rhoda Atkinson 825-5619
20 Mancil Drive 267-4587
Nepean K2J 2J5
atkinsonr@sympatico.ca

Editor

Kerth Fraser 728-3950
571 Fraser Ave 267-6911
Ottawa K2A 2R3
jkcfrazer@home.com

Directors

David Code 722-0339
John Gibb-Carsley 267-4812
68 Wilson Street 267-7544
Perth K7H 2N6 Fax 264-1130
carsley@superaje.com
Don Hill 267-3869

Past President

Brian Perkin 264-1205
R.R. 5 Perth K7H 3C7
bjperkin@perth.igs.net

Vice President

Wendy Hassard 267-5002
58 Garden St 267-2127
Perth K7H 3L8
whassard@sympatico.ca

Secretary

(vacant)

Chairpersons

Committee Chairpersons (C) are members of the Board.

Directors(con't)

Jack Lynn 267-4251
Charles Oliver 264-8772
Bernice Wanless 267-4690
Tom Foulkes 267-6251

(iii) Land Use

BBS LIASON

Tom Foulkes 283-2706
45 Church St 267-6251
Smiths Falls K7A 1H4
pfoulkes@altavista.net

DNE LIASON

Don Hill 267-3869
R. R. # 5
Perth K7H 3C7
hillbeck@perth.igs.net

(iv) Environment and Health

Glen Bishop 267-1494
RR#5 Perth K7H 3C7

Bob Black 264-8507
R R # 3
Perth K7H 3C7

Jim Montgomery 267-5637
19 Eden Place 905-877-7841
Georgetown L7G 1G4

Sub-Committee on Water Balance and Jebbs Creek

Lorne Gold 733-2449 Ken Darou 267-5756
68 North St 267-5725
Perth K7H 2T2

(v) Communication and Education

Colin Code (C) 722-0339
465 Hillcrest Av 264-0469
Ottawa K2A 2M7
codec@superaje.com

FISH SURVEY

Wally Robins 727-6129
49 Avonlea Road
Nepean K2G 0J4

REPRO & MAILING-NEWSLTR

Charles Oliver 741-4663
27 Douglas Ave 264-8772
Ottawa K1M 1G3

(vi) Services

INFORMATION PACKAGE

Mike Tarkowski 264-9854
R.R. 3 Perth K7H 3C5
swinger@perth.igs.net

Herb Robertson 416-367-2065

35 Church St 305 267-3874

Toronto ON M5E 1T3

cybrherb@pathcom.com

Jim Coward 264-4041

11 D'Arcy St 267-8073

Perth ON K7H 2T9

MAPS

Eddie Edmundson 264-0395

R.R.3 Perth K7H 3C5

Bill Howie 267-1272

RR#3 Perth ON K7H 3C5

mhowie@ripnet.com

(vii) Nomination

Brian Perkin 264-1205 + 2 OLA Members

Bill Hale (C) 267-4426

R.R.5 Perth K7H 3C7

bill.hale@sympatico.ca

ADVISOR DNE/BSS-ALTERNATE

David Code 722-0339
465 Hillcrest Ave 267-5053
Ottawa K2A 2M7 Fax 722-1822
dcode@attglobal.net

ALTERNATE

Krystyna Tarkowski 264-9854
R.R. 3 Perth K7H 3C5
swinger@perth.igs.net

Lorne Gold (C) 733-2449

1903 Illinois Ave 267-7657

Ottawa K1H 6W5

Alan Macmillan 729-6033

851 Dunlevie Ave 264-0585

Ottawa K2A 2Z3

Jack Lynn 267-4786

R R # 5 Perth K7H 3C7 267-4251

jjlynn@ripnet.com

Committees of the Board

(i) Finance

Wendy Hassard (C) 267-2127
Rhoda Atkinson 825-5619

(ii) Membership

Co-ordinator of Counselors

Karen Hunt 264-9273 mkhunt@perth.igs.net

Counselors

Joe Fitzgibbon	1A	267-2366	736-1827
Chris Harrison	1B	264-1163	258-4598
Ross Hollingsworth	2	267-5260	
Paul Fleming	3A	267-2244	416-283-7539
Randie Fawcett	3B	264-1976	
Joanna Chadwick	4A	267-9900	
Bernice Wanless	4B	267-4690	
Norma Thompson	5A	267-1525	
Pam Reed	5B	267-4540	
Don Brown	5C	264-8694	264-0937
Shelley & Malcolm McGregor	6A	264-0256	
Peter Cavers	6B	267-2284	267-1204
Tressa & David Oliver	6C	264-8612	treevents@perth.igs.net
Murray Hunt	7A	264-9273	mkhunt@perth.igs.net
Christine Hale	7B	267-4426	chrishale@sympatico.ca
Susan Mannion	8A	267-7171	mannion@superaje.com
Bill McLeish	8B	264-0060	737-4716
Mayme Mahoney	8C	264-8066	705-939-1201
Bob Hassard	9A	267-2127	267-5002
Herb Robertson	9B	267-3874	416-367-2065
Willie Newsome	10	267-7518	
Barry Lystiuk	11		828-7152
Dalton Black	BW	264-8174	
Patricia & Ed Klymko	MG		267-4248
Glen Bishop (Alternate)		267-1494	

Mailing List / DataBase

Dick Atkinson 267-4587 atkinsonr@sympatico.ca