

OKANAGAN BASIN WATER BOARD

MINUTES OF A REGULAR MEETING OF THE OKANAGAN BASIN WATER BOARD HELD IN THE REGIONAL DISTRICT OF NORTH OKANAGAN BOARD ROOM, 2903 - 35TH AVENUE, VERNON, B. C., ON THURSDAY, JANUARY 31ST, 1985 AT 1:30 P.M.

PRESENT:

Director E. Lamont	Central Okanagan Reg. Dist.
Director A. Horning	Central Okanagan Reg. Dist.
Director N. Oystryk	Central Okanagan Reg. Dist.
Director A. Clarke	North Okanagan Reg. Dist.
Director R. P. French	North Okanagan Reg. Dist.
Alt. Dir. H. Blattner	North Okanagan Reg. Dist.
Director R. G. Biggs	Okanagan-Similkameen Reg. Dist.
Director R. Frost	Okanagan-Similkameen Reg. Dist.
Director M. B. Newman	Okanagan-Similkameen Reg. Dist.

ALSO PRESENT:

Mr. V. Dantzer, M.P.	Okanagan North
Mr. C. Hewson	Executive Assistant to Mr. F. King, M.P., Okanagan-Similkameen
Mr. M. Maxnuk	Ministry of Environment
Alt. Dir. R. W. Postill	North Okanagan Reg. Dist.

STAFF:

P. Mackiewich	Administrator
G. Armour	Field Supervisor

Director Lamont, Chairman of the 1984 Okanagan Basin Water Board called the meeting to order and welcomed the new Board to the meeting. He circulated a letter expressing his appreciation for the co-operative spirit shown by the Board. The Board's cohesive action, he stated, would eventually lead to the point of being a single management jurisdiction for water in the Basin.

He further indicated that the areas of concern for continued action by the Board are water quality, water quantity, fisheries, water based recreation and water use. He also suggested that to help the Board maintain a strong profile within the Okanagan Basin, it would be wise to rotate the quarterly meetings throughout the valley.

APPOINTMENT OF DIRECTORS - 1985 TERM:

The Board was advised that the following persons have been appointed as Directors of the Okanagan Basin Water Board for the year 1985:

Regional District of Central Okanagan:

- Director E. Lamont;
- Director A. Horning;
- Director N. Oystryk;
- Alternate Director J. Stuart.

Regional District of North Okanagan:

- Director A. Clarke;
- Director J. Foord;
- Director R. French;
- Alternate Director H. Blattner;
- Alternate Director R. W. Postill.

Regional District of Okanagan-Similkameen:

- Director R. Frost;
- Director R. Biggs;
- Director M. Newman;
- Alternate Director J. Piazza.

ELECTION OF CHAIRMAN:

The Administrator advised the Board that it has been the policy of the Board to rotate the Chairmanship among the Regional Districts. In 1984 this policy was not followed and the Chairman was from the Central Okanagan Regional District for the second time.

Moved by Director Oystryk, seconded by Director Frost:

"That the Board discontinue the policy of rotating the Chairmanship among the Regional Districts."

CARRIED.
DIRECTORS CLARKE AND FRENCH OPPOSED.

In discussing the resolution, Director Frost felt that continuing with the same Chairman provides consistency and leadership at the Board level and if a person is doing a good job and is interested in continuing to serve as Chairman, he should be allowed to stay.

Director Horning noted there are circumstances when an energetic person is willing to serve and that person should not be replaced with someone who may not be as keen.

The Administrator then called for nominations for the position of Chairman for the year 1985. Director Horning nominated Director Lamont, Director Blattner nominated Director French and Director French declined the nomination.

After calling for further nominations three times, and there being no further nominations, Director E. Lamont was declared Chairman of the Okanagan Basin Water Board for the year 1985.

Director Lamont then assumed the Chair and thanked the Board for expressing confidence in him.

ELECTION OF VICE-CHAIRMAN:

The Chairman then called for nominations for the position of Vice-Chairman for the year 1985. Director Frost nominated Director Biggs, Director Horning nominated Director French and Director French declined the nomination.

After calling for further nominations three times, and there being no further nominations, Director Biggs was declared Vice-Chairman of the Okanagan Basin Water Board for the year 1985.

PETITIONS AND DELEGATIONS:

Mr. V. Dantzer, M.P., and Mr. C. Hewson, Executive Assistant to Mr. F. King, M.P., were invited by the Chairman to join the meeting.

The Chairman advised Mr. Dantzer and Mr. Hewson that the real concern of the Okanagan Basin Water Board is to obtain sufficient funding to maintain the quality of the Okanagan Lakes system. He stated that local taxes cannot be expected to handle the problem and the Provincial and Federal governments must help. The Chairman stated that the Board is asking for financial assistance. If the governments can create the funds, the Water Board will do the job.

The Administrator advised that, to date, the Federal Government would only provide funds for research purposes and not for doing any actual work.

Mr. Dantzer replied that it appears that the problem has already been researched to death.

Director Horning stated that the Board is not only concerned over the water quality, but the tourist aspect as well. The Board is experiencing problems in obtaining sufficient equipment to properly control aquatic weeds. Director Horning asked if there was some way that the M.P.s could go back and see if there are funds available to, at least, purchase equipment.

At the present time funding is a big problem and the Water Board is getting further and further behind in controlling the Eurasian water milfoil problem.

Director Frost noted that we are under an International Water Agreement which requires that the water quality and quantity must be maintained. Our American neighbours are concerned and this is one of the prime reasons that the Zosel Dam is being reconstructed. The Federal Government is involved, as a result of this International Agreement.

The Chairman asked if there is some way that the Federal Government could assist with the funding for sewage disposal and suggested that the Federal Government become involved in such things as spray irrigation on forestry lands, etc.. He noted that there was approximately \$2 million spent on the Okanagan Basin Study and that many of the recommendations have not been implemented.

Mr. Dantzer replied that he did not have any idea of which Federal agency to approach to obtain funding, but agreed to look into the matter.

Director French noted that all three Okanagan Regional Districts agreed to the use of 2,4-D in the Okanagan lakes system for aquatic weed control, but the big drawback is in providing alternate water supplies.

Director Frost recommended that the Board not complicate things too much and should come forward with one request with which the government could deal with.

Mr. Dantzer agreed that such an approach would be easier to deal with, but at the present time the difficulty is not whether or not the Federal Government has any funds available but which department would be responsible for providing such funds.

After some discussion it was moved Director Frost, seconded by Director French:

"That the Federal Government be asked to provide funds to the Okanagan Basin Water Board for lake clean-up."

CARRIED.

Director Biggs stated that he can't help but wonder if the National Research Council is the agency which the Board should approach.

Mr. Hewson advised that Mr. F. King, M.P., has requested the Regional Economic Expansion Department, the Employment & Immigration Department and the Federal Ministry of Environment for funds for the Okanagan Basin Water Board and has not yet received a reply.

Director Horning asked whether the Federal Government is aware of the severity of the aquatic weed problem in the Okanagan and Mr. Dantzer replied that the problem is now across Canada and not restricted just to the Okanagan.

Director Frost noted that Environment Canada has a project entitled Environment 2000 which has \$35 million allocated to it for 1984/85 for projects in the following areas:

1. Forestry;
2. Water clean-up;
3. Wildlife habitats;
4. Parks.

He noted that Tourism Canada also has funds available.

Moved by Director Frost, seconded by Director Blattner:

"That a letter be written to Mr. V. Dantzer, M.P., and Mr. F. King, M.P., requesting a grant of up to \$100,000 so that additional rotovating equipment could be acquired and the aquatic weed control program could be accelerated to an acceptable degree."

CARRIED.

Director Horning advised that the machine which is being requested will provide proper cosmetic weed control treatment but the long term solution also needs to be addressed, which includes getting the wastewater out of the lakes system.

Mr. Dantzer replied that this certainly should be a concern of some department of the Federal Government and agreed to go to work on trying to find \$100,000 for the Okanagan Basin Water Board.

Director Horning noted that the Okanagan Basin Water Board is a tool which has been looking after the weed problem in the lakes system, however, if more financial help is not forthcoming from the Provincial and Federal authorities, the Okanagan Basin Water Board will be looking at getting out of the weed control business.

He noted that the Okanagan Lakes system affects approximately 200,000 people which live in the valley, plus an additional 1.5 million tourists which visit the area. All of the communities are now promoting their particular area for Expo '86 and such a promotion will bring more tourists into the valley. If the weeds are not removed from the lakes system, the use of 2,4-D by private individuals may also get out of control.

Director Clarke stated that if the severe weed problem is not addressed, it also impacts on Canada's image.

After some discussion, Messrs. Dantzer and Hewson were thanked for attending the meeting and left.

ACQUISITION OF NEW TRUCK:

The Board was advised that Bloom & Sigalet Ltd. presently have a 1978 International truck, complete with a hoist and a jimie 671 diesel engine with only 60,000 miles on the unit which can be obtained for approximately \$24,000. The unit appears to be in excellent condition.

Alt. Director Postill advised the Board that he had inspected the unit and it is in what appears to be perfect condition and to buy such a unit new, one would need to pay up to \$70,000. He stated that \$24,000 for this truck is a bargain and the Board should jump at it.

Moved by Director French, seconded by Director Frost:

"That the Administrator place a deposit on the 1978 International truck referred to above to hold the unit, pending negotiations with the Province, however, if a deposit will not hold the truck, the Administrator be authorized to purchase the truck, with the understanding that the Provincial government will reimburse the Okanagan Basin Water Board for 100% of the purchase price."

CARRIED.

Mr. Mel Maxnuk advised the Board that he had contacted his superiors in this regard and they have agreed to reimburse the Okanagan Basin Water Board for 100% of the purchase price of the unit.

Alt. Director Postill left the meeting.

MINUTES:

Moved by Director Oystryk, seconded by Director Biggs:

"That the minutes of a regular meeting of the Okanagan Basin Water Board held on November 29th, 1984 be adopted as circulated."

CARRIED.

Further moved by Director French, seconded by Director Frost:

"That the minutes of a meeting of the Aquatic Plant Management Committee held on January 16th, 1985 be adopted and the recommendations contained therein be confirmed."

CARRIED.

CORRESPONDENCE:

C.O.R.D.,
N.O.R.D.,
& O.S.R.D.:

Funding:

Moved by Alt. Director Blattner, seconded by Director Oystryk:

"That the correspondence received from the Central Okanagan, North Okanagan, and Okanagan-Similkameen Regional Districts agreeing to the raising of capital funds for equipment acquisition and that N.O.R.D continue to administer the affairs of the Okanagan Basin Water Board be received and filed."

CARRIED.

OKANAGAN BASIN WATER BOARD

MINUTES OF A MEETING OF THE AQUATIC PLANT MANAGEMENT COMMITTEE HELD IN THE REGIONAL DISTRICT OF NORTH OKANAGAN BOARD ROOM, 2903 - 35TH AVENUE, VERNON, B. C. ON FRIDAY, MARCH 22ND, 1985 AT 1:45 P.M.

PRESENT: Chairman E. Lamont C.O.R.D.
Director R. P. Frost O.S.R.D.
Director R. P. French N.O.R.D.
Mr. M. Maxnuk Ministry of Environment

STAFF: P. Mackiewich Okanagan Basin Water Board
G. Armour Okanagan Basin Water Board

CORRESPONDENCE:

HONOURABLE F. C. A. PELTON: Minister of Environment:

A letter from the Honourable F. C. Austin Pelton, Minister of Environment, advising that he is aware of the value of our Aquatic Weed Harvesting Program and supports its expansion as proposed by the Board and that efforts are underway to obtain the necessary additional funding for the 1985/86 fiscal year and that there is reason to be optimistic that these will be met with success was received for information.

VINCE M. DANTZER, M.P.:

Funding:

A copy of a letter from Vince M. Dantzer, M.P., Okanagan North to the Minister of State (Tourism), the Minister of Environment, the Minister of Employment and Immigration and the Minister of Regional Industrial Expansion requesting the provision of \$200,000 to the Okanagan Basin Water Board for the acquisition of aquatic weed harvesting machines was received for information.

F. KING, M.P.:

Funding:

A letter from Fred King, M.P., Okanagan-Similkameen, together with a copy of a letter directed to the Minister of Environment, Minister of State (Tourism), the Minister of Regional Industrial Expansion and to the Minister of Employment and Immigration emphasizing the need to control the aquatic weed program in the Okanagan Basin and requesting funds for aquatic weed control was received for information.

EMPLOYEES OF JEN INDUSTRIES:

Submersible Weed Harvester:

A letter signed by eleven employees of Jen Industries Ltd. expressing concern that the Water Board would purchase another machine for cosmetic control of aquatic weeds when the development of an inshore submersible amphibious machine prototype being developed by Jen Industries Ltd. is within weeks of trials required to bring this machine to its fully operational state for the removal of Eurasian water milfoil, was received.

The Committee expressed concern that officials of Jen Industries Ltd. have been advising the Okanagan Basin Water Board since 1977 that the inshore submersible amphibious machine is within weeks of a trial and it was moved by Director Frost, seconded by Director French:

"That the above letter from the employees of Jen Industries Ltd. be received and filed."

CARRIED.

TENDER OPENING - AQUATIC WEED ROTOVATOR:

ALSO PRESENT: 2 guests in attendance.

Eleven tenders were received for the manufacture of an aquatic weed rotovator as follows:

1. Interior Machine Works Ltd. (Vernon)	\$ 71,279.00 (excluding tax)
2. Penticton Engineering Ltd.	\$ 55,994.00 (excluding tax)
Second machine:	\$ 53,000.00 (excluding tax)
3. Excel Metal Fab (Kelowna)	\$ 79,220.14 (including tax)
4. Visco Manufacturing Ltd. (Kelowna)	\$ 69,872.00 (excluding tax)
Second machine:	\$ 66,790.00 (excluding tax)
5. Osoyoos Machine Works	\$ 98,706.75 (including tax)
Second machine:	10% less than the first machine
6. Northside Steel Fabricators Ltd. (Kelowna)	\$ 95,971.00 (excluding tax)
Second machine:	\$ 91,172.00 (excluding tax)
7. Maloney Steel Ltd. (Kelowna)	\$ 75,300.00 (excluding tax)
8. Westside Welding (1980) Ltd. (Kelowna)	\$ 79,445.00 (excluding tax)
9. Donald's Metal Works (Vernon)	\$ 84,000.47 (including tax)
Second machine:	\$ 81,917.12
Alternate proposal:	\$ 79,374.59
10. Evert Machine Works Ltd. (Kelowna)	\$ 98,750.00 (excluding tax)
11. Munckhof Manufacturing (Oliver)	\$ 67,319.00 (excluding tax)
Second machine:	10% less than the first machine.

The Committee agreed that the above tenders all be received as presented and that they be analyzed by Mr. Armour and Mr. Maxnuk and a recommendation be made to the Okanagan Basin Water Board at its next regular meeting.

Discussion also arose over whether or not the machines would be exempt from Federal sales tax and after a telephone call to the Federal Excise Tax office in Vernon, it was determined that an aquatic weed harvesting machine is not eligible for such an exemption.

The Committee also recommended that Mr. Maxnuk contact his office in Victoria to ensure that they will be in a position to make a decision covering the awarding of the contract for the construction of a rotovator at the next regular meeting of the Water Board because many of the firms can only hold the price for a period of 30 days.

OTHER BUSINESS:

NEXT MEETING: Okanagan Basin Water Board:

After some discussion, the Committee recommended that the next regular meeting of the Okanagan Basin Water Board be held on Thursday, April 11th, 1985 at 1:30 p.m. in the offices of the Regional District of Okanagan-Similkameen and that the Aquatic Plant Management Committee meet on the same date at 10:00 a.m. to review the analysis of the tenders and any other matters of a pertinent nature.

The Committee also recommended that the F. C. Austin Pelton, Minister of Environment, together with Honourable J. Hewitt, Minister of Consumer and Corporate Affairs, be invited to the next regular meeting of the Board, together with M.P.'s F. King and V. Dantzer.

ACQUISITION: New Crane:

Mr. Armour advised the Committee that the present crane requires a great deal of structural work to make it serviceable and safe before it can be mounted on the new truck. The estimated cost to upgrade the unit is approximately \$13,000.

Danco Industries have a \$50,000 crane which B. C. Hydro ordered but did not purchase, and they are prepared to sell and mount this unit for approximately \$36,000.

The Committee recommended that Mr. Armour and Mr. Maxnuk obtain other prices for the purchase of either a new or a used crane before a final decision is made.

SIERRA CLUB: Request for Information:

The Committee was advised that the Sierra Club is interested in maintaining a watching brief on the Water Board and has requested that we keep them informed of all future meetings and provide them with other pertinent information.

Director Frost expressed the view that the material which the Sierra Club has published on the Okanagan Basin Water Board is misrepresentative and harmful.

After some discussion, the Committee recommended that any groups that request information from the Okanagan Basin Water Board be only supplied with such information at the discretion of the Administrator if he determines that it will be used in a constructive manner.

GENERAL COMMENTS:

In summation, the Committee made the following recommendation:

That M.P.'s F. King and V. Dantzer be thanked for their active pursuit of funds for the Okanagan Basin Water Board and they be advised that we have now acquired a truck and have open tenders for the acquisition of an aquatic weed rotovator which is still needed, together with a new crane for the truck which we have purchased.

The Committee also recommended that Mr. R. Nickel and Mr. T. Forty be invited to the Board's next regular meeting so that the Board may be updated on the community sewerage systems being used by the various municipalities in the Okanagan Basin.

The Committee also recommended that Mr. Ben Marr be invited as a guest speaker.

ADJOURNMENT:

After a general discussion, there being no further business, the meeting adjourned at 3:30 p.m.



CHAIRMAN



SECRETARY-TREASURER

PM/las

OKANAGAN BASIN WATER BOARD

MINUTES OF A MEETING OF THE OKANAGAN BASIN WATER BOARD IN COMMITTEE OF THE WHOLE HELD IN THE REGIONAL DISTRICT OF OKANAGAN-SIMILKAMEEN BOARD ROOM, 101 MARTIN STREET, PENTICTON, B. C. ON THURSDAY, APRIL 11TH, 1985 AT 4:30 P.M.

PRESENT: Chairman E. Lamont Central Okanagan Reg. Dist.
Director A. Clarke North Okanagan Reg. Dist.
Director R. P. French North Okanagan Reg. Dist.
Alt. Dir. H. Blattner North Okanagan Reg. Dist.
Director R. Frost Okanagan-Similkameen Reg. Dist.
Director M. Newman Okanagan-Similkameen Reg. Dist.

STAFF: P. Mackiewich Administrator

1985 STAFF SALARIES:

Discussion arose over 1985 staff salaries.

Moved by Director French, seconded by Director Frost:

"That Mr. Greg Armour only be awarded a salary increase of 3% for 1985 retroactive to January 1st, 1985."

CARRIED.

ADJOURNMENT:

There being no further business, the meeting adjourned at 4:35 p.m.



CHAIRMAN



SECRETARY-TREASURER

PM/las

OKANAGAN BASIN WATER BOARD

MINUTES OF A MEETING OF THE AQUATIC PLANT MANAGEMENT COMMITTEE HELD IN THE
REGIONAL DISTRICT OF OKANAGAN-SIMILKAMEEN BOARD ROOM, 101 MARTIN STREET,
PENTICTON, B. C. ON THURSDAY, APRIL 11TH, 1985 AT 10:45 A.M.

PRESENT: Chairman E. Lamont C.O.R.D.
Director R. P. Frost O.S.R.D.
Director R. P. French N.O.R.D.

ALSO PRESENT: Dr. P. Newroth Ministry of Environment
Mr. M. Maxnuk Ministry of Environment

STAFF: P. Mackiewich Okanagan Basin Water Board
G. Armour Okanagan Basin Water Board

TENDERS - AQUATIC WEED ROTOTILLER:

The Committee reviewed the following tenders for the manufacture and supply of an aquatic weed rototiller, with all prices quoted being calculated to include Federal (10%) and Provincial (7%) sales tax.

1. Penticton Engineering Ltd.	\$ 65,512.00;
2. Munckhof Manufacturing Ltd.	\$ 78,762.00;
3. Excel Metal Fab	\$ 79,220.00;
4. Visco Manufacturing Ltd.	\$ 81,750.00;
5. Interior Machine Works	\$ 83,395.00;
6. Donald's Metalworks	\$ 84,000.00;
7. Maloney Steel Ltd.	\$ 88,101.00;
8. Westside Welding (1980) Ltd.	\$ 92,950.00;
9. Osoyoos Machine Works	\$ 98,706.00;
10. Northside Steel Fabricators Ltd.	\$ 112,285.00;
11. Everitt Machine Works Ltd.	\$ 115,537.00.

Mr. Armour advised the Committee that all of the tenders were analyzed and he, together with Mr. Maxnuk, interviewed the four lowest bidders.

Penticton Engineering Ltd. substituted the hydraulic system asked for which would cost an additional \$4,000.00, a wood cab was substituted for a metal cab and painting was not included. Munckhof Manufacturing Ltd. also substituted the hydraulic system asked for and \$4,000.00 would need to be added to their price to meet specifications. Excel Metal Fab submitted the most complete and lowest tender according to the specifications.

Discussion then arose over whether or not the Committee should recommend that the Board award the tender for the manufacturing and supply of the machine in view of the announcement made by the Premier and the optimistic letter received from the Minister of Environment.

The Committee agreed that the tender should be awarded. The Committee noted that if two machines were purchased, a savings of 5% for each machine could be realized.

Dr. Newroth advised that the present rototiller is in good shape and one additional machine will substantially reduce the need for harvesting. There is not enough money to rotate the whole valley and the areas would need to be prioritized.

The Committee also noted that Mr. John Hackman would be making a presentation to the Board offering his services to operate his dredge for aquatic weed harvesting. Mr. Hackman is of the opinion that he can operate his dredge for about \$1,000.00 per acre.

Dr. Newroth noted that the Board's cost for rotovating at this time is approximately \$1,300.00 per acre and this price does not include any profit or mark-up margin. In addition, rotovating is good for three to four harvests or about two years of control. Dr. Newroth also expressed the opinion that 2,4-D isn't worth the hassle because one must still go back and treat the areas.

Mr. Maxnuk advised that the present strategy is to rotovate areas back to back and then leave them for about two years. The areas which can be rotovated can be easily identified.

Director Frost expressed the opinion that the Board should work its own machine to the best of its abilities and not fuss around with private operators until we know how well their machine works. The results of any harvesting program will reflect on the money which is made available by Victoria.

Dr. Newroth stated that the rotovator will be required in the Shuswap area as well. If there is a good autumn and a late winter, the problem may be to find sufficient funds to operate the machine. This year Kalamalka Lake has the highest priority.

Mr. Armour noted that without rotovating Kalamalka Beach, it would be difficult to swim in and so would the Kelowna foreshore.

Discussion arose over the manner in which a record can be made of the before and after harvesting of the milfoil and Dr. Newroth noted that there is nothing more convincing than air photographs and suggested that some funds be provided for this purpose.

Director Frost recommended that the Okanagan Basin Water Board encourage the development of foreshore plans by the Regional Districts and municipalities. Once they become registered then the municipalities can work within them.

AWARD TENDER:

After some discussion, it was finally moved by Director French, seconded by Director Frost:

"That it be recommended that the tender for the manufacture and supply of one (1) aquatic weed rototiller as per the specifications supplied by the Okanagan Basin Water Board be awarded to Excel Metal Fab in the amount of \$79,220.14, including applicable taxes."

CARRIED.

PEARSE COMMISSION - ENQUIRY ON FEDERAL WATER POLICY:

The Committee noted that Dr. Peter Pearse has issued statements concerning his Enquiry on Federal Water Policy and recommended that he be invited to a meeting of the Okanagan Basin Water Board with Mr. Ben Marr, Deputy Minister of the Environment after the material which he has prepared has been read so that a position can be formulated.

ACQUISITION OF CRANE:

Dr. Newroth advised that the Province might have enough money in its 1985 Budget to buy a base for the crane and use the old grapple from the existing crane mounted on the old truck.

Mr. Armour indicated that he has received estimates for the supply of a new crane for approximately \$32,000.00 and to rebuild the old crane it would cost approximately \$11,000.00.

Dr. Newroth stated that the Provincial Government paid 100% for the new truck and prefers to do the same for the crane. It also prefers to keep the old truck intact except for the dump box.

Moved by Director Frost, seconded by Director French:

"It be recommended that a new crane be purchased and the Okanagan Basin Water Board finance the Provincial Government for such a period as is required to reimburse the Board on the condition that administration exhaust the availability of a used crane from B. C. Hydro."

CARRIED.

ADJOURNMENT:

There being no further business, the meeting adjourned at 12:00 noon.



CHAIRMAN



SECRETARY-TREASURER

PM/las

OKANAGAN BASIN WATER BOARD

MINUTES OF A REGULAR MEETING OF THE OKANAGAN BASIN WATER BOARD HELD IN THE
REGIONAL DISTRICT OF OKANAGAN-SIMILKAMEEN BOARD ROOM, 101 MARTIN STREET,
PENTICTON, B. C., ON THURSDAY, APRIL 11TH, 1985 AT 1:30 P.M.

<u>PRESENT:</u>	Director E. Lamont	Central Okanagan Reg. Dist.
	Director A. Clarke	North Okanagan Reg. Dist.
	Director R. P. French	North Okanagan Reg. Dist.
	Alt. Dir. H. Blattner	North Okanagan Reg. Dist.
	Director R. Frost	Okanagan-Similkameen Reg. Dist.
	Director M. B. Newman	Okanagan-Similkameen Reg. Dist.
<u>ALSO PRESENT:</u>	Dr. P. Newroth	Ministry of Environment
	Mr. M. Maxnuk	Ministry of Environment
	Mr. R. Nickel	Waste Management Branch
	Mr. T. Forty	Waste Management Branch
	Mr. F. King, M.P.	Okanagan-Similkameen
	Sandra Vanderwood	Executive Asst. to Mr. V. Dantzer, M.P., Okanagan North
	Mr. B. Volden	Executive Asst. to Mr. J. Hewitt, Minister of Consumer and Corporate Affairs
	Mr. G. Abbott	Director, Regional District of Columbia-Shuswap
	Mr. E. Lalonde	Administrator, Regional District of Columbia-Shuswap
	Mr. D. MacDougall	Chairman, Regional District of Okanagan-Similkameen
	Mr. J. Rheaume	Administrator, Regional District of Okanagan-Similkameen
	Mayor R. Hermiston	District of Summerland
<u>STAFF:</u>	P. Mackiewich	Administrator
	G. Armour	Field Supervisor

MINUTES:

Moved by Director Clarke, seconded by Alt. Director Blattner:

"That the minutes of a regular meeting of the Okanagan Basin Water Board held on January 31st, 1985 be adopted as circulated."

CARRIED.

Further moved by Director Frost, seconded by Director French:

"That the minutes of an Aquatic Plant Management Committee held on March 22nd, 1985 be adopted and the recommendations contained therein be confirmed."

CARRIED.

BUSINESS ARISING FROM THE MINUTES:

AQUATIC PLANT
MANAGEMENT
COMMITTEE:

Recommendation re Request for Information:

Director Newman felt that a clarification was required covering the recommendation of the Aquatic Plant Management Committee that any groups who request information from the Okanagan Basin Water Board be supplied with such information at the discretion of the Administrator if he determines that it will be used in a constructive manner.

Director Newman felt that the Okanagan Basin Water Board is a public body doing public business and information should be available, recognizing that certain information cannot be made available.

Director Newman moved:

"That if the Administrator has difficulty with a request he has received for information that he bring the matter to the Board for a decision.

The motion did not receive a seconder.

PETITIONS AND DELEGATIONS:

MR. BRUCE
VOLDEN:

Mr. Bruce Volden, Executive Asst. to the Honourable J. J. Hewitt, Minister of Consumer and Corporate Affairs, apologized for Mr. Hewitt and the Honourable A. Pelton, Minister of Environment, for not being able to attend the meeting as they are both busy in the Legislature and send their regrets.

SANDRA
VANDERWOOD:

Sandra Vanderwood, Executive Asst. to Mr. V. Dantzer, M.P., advised that Mr. Dantzer also sends his regrets for not being able to attend the meeting but wants the Board to know that he is actively seeking funds for aquatic weed control.

MR. FRED
KING, M.P.:

Mr. Fred King, M.P., stated that he, together with his colleague, Mr. V. Dantzer, are working hand in hand to try to obtain funds for the Water Board and are approaching the problem as a team. He indicated that the best channel for obtaining funds may be through the Honourable John Fraser, Minister of Fisheries and Oceans, however, at the present time M.P.'s are not too optimistic that funds can be forthcoming.

MR. JOHN
HACKMAN:

Mr. John Hackman appeared before the Board and stated that he feels the only way that the milfoil can be eliminated is by removing it from the water by dredging and placing it on the land. He advised that he has developed a dredge and can construct it for approximately \$114,000.00 including 33% U.S. exchange, together with duty at 25%, 10% Federal sales tax and 7% Provincial sales tax.

Mr. Hackman noted that the milfoil in Woods Lake has doubled since 1979 because the past programs haven't worked, but was optimistic that his dredge would be effective and he could remove the weeds at a cost of about \$1,000.00 per acre. In one year he could eliminate the weeds from Woods Lake.

Mr. Hackman expressed the opinion that the job of removing the weeds has not been effective in the past because of the methods used. He advised that he dredged the Vernon Yacht Club area and received 90% removal of weeds.

Director Frost asked how accurate his estimated \$1,000.00 per acre figure is and Mr. Hackman replied that this figure was obtained from the pump manufacturer based on areas which have about one foot of silt.

Mr. Hackman indicated that he would accept a contract to remove the weeds for a price of \$1,000.00 per acre. He noted that his machine will pump silt for up to one mile and remove 153 cubic yards per hour.

Mr. Hackman was thanked for his presentation.

MESSRS. R.
NICKEL AND
T. FORTY:

Waste Management Branch:

Mr. R. Nickel presented an overview of the water quality in the Okanagan Basin. He stated that historically the Okanagan lakes system has proven to be very sensitive. In the late 1960's, algae blooms were seen in Skaha Lake and some other areas. These observations lead to an extensive study of the Okanagan Basin and as a result of the study recommendations, a \$5 million budget was made available for implementing the recommendations.

The chart produced from various sources including the Okanagan Basin Water Study shows the productivity of the various lakes. Phosphorus is a key element impacting on the lake's quality. Since 1970, improvements have been made to the sewage disposal systems of the communities and the phosphorus inputs have dropped dramatically.

The contributory sources of the phosphorus is the problem which should be addressed. When the City of Vernon implemented its spray irrigation program, the phosphorus levels dropped from approximately 100 u.s./l to 20 u.s./l in selected near shore stations of the Vernon arm of Okanagan Lake. In the last few years, phosphorus has been increasing probably as a result of high precipitation and landwash. The outstanding issues in the valley with respect to phosphorus removal include technical, financial and political concern.

Mr. Nickel noted that the City of Vernon is presently preparing a Waste Management Plan and the process which they are going through is one that the Branch has advocated and which will give the best mix for their dollar.

The City of Kelowna has a commitment on their permit to remove their sewage discharge from Okanagan Lake by 1989. The City of Penticton presently removes phosphorus, but does not have authority for future expansion of their system. They also need a Waste Management Plan.

Little phosphorus is getting into the lake system from municipal treatment plants from Okanagan Falls down. Unserved areas in Wood Lake and the Vernon arm of Okanagan Lake contribute phosphorus to the lake system plant. The plant at the City of Armstrong and the agricultural activities in the area also contribute phosphorus into the system.

Mr. Tim Forty advised the Board that Waste Management planning is a rational selection of options. It is a procedure which has been developed to preclude nasty decisions. The process actively seeks input from all concerns and each Waste Management Plan is different. Mr. Forty noted that the treatment facilities of the Okanagan Basin municipalities provide a pretty effective amount of phosphorus removal.

Mr. Forty then went on to outline the methods of treatment employed by the various municipalities:

City of Armstrong: The City of Armstrong employs an alum removal plant and intends to implement spray irrigation over approximately 3,000 acres of land, however, to implement their plan it would cost about \$2.5 million.

City of Vernon: The City of Vernon is using a trickling filter plant employing spray irrigation with an add on which removes 99% of their phosphorus.

City of Kelowna: The City of Kelowna uses a Bardon Pho system which is capable of removing both nitrogren and phosphorus. In 1984 6,700 kg of phosphorus was dumped into the lake and for 1985 this amount should be reduced to 2,400 kg.

The community of Westbank uses an aeration lagoon and discharges to Okanagan Lake. 438 kg of phosphorus were discharged in 1983 and now the plant is discnarging 834 kg of phosphorus because the Indian lands which were being irrigated has been given back to the Indians.

The City of Penticton uses a feric chlorine system and in 1983 discharged 8,500 kg which has been reduced to 2,400 kg of phosphorus in 1984. The City has unsuccessfully examined land disposal. Any improvements to the City system would cost tens of millions of dollars, therefore, it will need to examine its options very carefully.

Okanagan Falls is employing rapid infiltration works and has not experienced any problems with them.

The Village of Oliver uses an extended aeration plant with spray irrigation attached on the end.

The Town of Osoyoos employs an aeration lagoon with spray irrigation. With the massive influx of tourists the east side of Osoyoos Lake will need servicing and the size of the reservoir may also need to be increased.

Mr. Nickel advised that his Branch would like to meet the objectives established by the Okanagan Basin Study to at least maintain the quality of the lakes system at status quo. The Branch is presently working on acceptable levels of phosphorus loading and should have something to report within six months time.

Mr. King asked whether milfoil removes phosphorus from the lakes system.

Dr. Newroth replied that milfoil actually contributes phosphorus to the system.

The Chairman noted that to maintain the quality of the lakes at their present level requires an ongoing program of control and financial assistance from senior government. He advised that the Inspector of Municipalities and the Minister of Municipal Affairs have turned down the Board's request to increase the Sewerage Facilities Assistance Fund by an amount equivalent to .50 mills and expressed concern that when the large communities draw down on the funds for implementation of their projects, funds will not be available unless the fund is increased.

CORRESPONDENCE:

PEACHLAND IRRIGATION DISTRICT:

Request Harvesting Assistance - Intake Pond:

A letter was received from the Peachland Irrigation District outlining its problem with milfoil infestation in their intake pond and requesting harvesting assistance.

Mr. Maxnuk noted that it would be physically possible to harvest the intake pond, however, this would not be the long term solution.

Moved by Alt. Director Blattner, seconded by Director French:

"That it be recommended to the Peachland Irrigation District that the construction of a second reservoir be considered so that one can be drained and dried while the other one is in use."

CARRIED.

Mr. Armour noted that to harvest the pond would cost about \$1,000 per time but our own program could not be disrupted. Custom harvesting could be done if it was before the 15th of June and after Labour Day.

Moved by Director Newman, seconded by Director Clarke:

"That if the Peachland Irrigation District desires their intake pond harvested by us it be done at their expense and subject to the time availability of our machines."

CARRIED.

INSPECTOR OF MUNICIPALITIES:

Funding - Sewerage Facilities Assistance Fund:

Moved by Director Frost, seconded by Director Blattner:

"That the letter from the Inspector of Municipalities advising that he, in consultation with the Honourable Bill Ritchie, Minister of Municipal Affairs, have declined to reconsider their decision to allow the Board to raise its Sewerage Facilities Assistance Fund to the equivalent of 1.50 mills be referred to Mr. Bruce Volden with a copy to all the Okanagan M.L.A.'s and he be requested to pursue the Board's desire to have the fund levy increased by an amount equivalent to .50 mills."

CARRIED.

CLIFF MICHAEL, M.L.A.:

Supports Milfoil Program:

Moved by Alt. Director Blattner, seconded by Director Newman:

"That the correspondence from Cliff Michael, M.L.A., Shuswap Revelstoke, advising that he supports the Milfoil Program be referred to the Minister of Environment for his information."

CARRIED.

LYLE MCWILLIAM, M.L.A.:

Supports Increased Funding for Milfoil Control:

Moved by Alt. Director Blattner, seconded by Director Newman:

"That the letter from Lyle McWilliam, M.L.A., Okanagan North, advising that he supports increased funding for milfoil control be referred to the Minister of Environment for his information."

CARRIED.

VERNON & DIST. CHAMBER OF COMMERCE:

Support Removal and Control of Milfoil by Mechanical Means:

Moved by Alt. Director Blattner, seconded by Director Newman:

"That the letter from the Vernon & District Chamber of Commerce supporting the removal and control of milfoil by mechanical means be referred to the Minister of Environment for his information."

CARRIED.

B. TOLMIE: Suggests Accountability to be put into System:

Moved by Alt. Director Blattner, seconded by Director Clarke:

"That the letter from B. Tolmie suggesting that someone do some research into the mismanagement and faulty planning that has been transacted over the past ten years or so covering milfoil control, be received and filed."

CARRIED.

MINISTER OF ENVIRONMENT:

Hackman - Proposal for Milfoil Control:

Moved by Director Frost, seconded by Director French:

"A copy of the letter from the Minister of Environment acknowledging receipt of Mr. John Hackman's proposal for funding for a dredge to remove milfoil be received and filed."

CARRIED.

VINCE DANTZER, M.P.:

No Federal Funds:

A letter was received from Vince Dantzer, M.P., Okanagan North advising that in conversation with the Minister of Environment he has ascertained that while the Federal Government provides research into the environmental problems of aquatic weeds, the Provincial/municipal governments are responsible for the actual weed control.

Moved by Director Frost, seconded by Director French:

"That Mr. Dantzer be referred to the recommendations of the Okanagan Basin's Implementation Task Force covering the Federal Government's responsibilities."

CARRIED.

NEW AND UNFINISHED BUSINESS:

ROTOTILLER BIDS: Recommendations:

The Administrator reviewed the recommendations made at a meeting of the Aquatic Plant Management Committee on April 11th, 1985 covering the tenders received for the construction and supply of an aquatic weed rototiller.

Moved by Director Frost, seconded by Director French:

"That as recommended by the Aquatic Plant Management Committee, the tender of Excel Metal Fab in the amount of \$79,220.14, including applicable taxes, for the construction and supply of an aquatic rototiller be accepted and the tender be awarded to that firm."

CARRIED.

PURCHASE OF CRANE:

The recommendations of the Aquatic Plant Management Committee covering the acquisition of a crane were also considered and it was moved by Director Blattner, seconded by Director French:

"That provided a suitable crane is not available from B.C. Hydro, a new crane be ordered from Danco Equipment Ltd. for the amount of approximately \$32,000.00, including taxes and installation and the Okanagan Basin Water Board finance the purchase price of this crane until such time as the Provincial Government is in a position to reimburse the Board."

CARRIED.

1985 CAPITAL
& OPERATING
FUNDS:

Moved by Alt. Director Blattner, seconded by Director Clarke:

"That now that the amount of funds for the acquisition of equipment has been established, together with the cost of operating a weed program in 1985, the Ministry of Environment be advised of the specific sums of monies which will be required."

CARRIED.

UPDATE PROGRESS: Winter Tillage:

Mr. Armour advised that there is not much new to report since the last meeting covering the Winter Tillage Program. Roto-vating has been completed at the north end of Kalamalka Lake and the machine is now working at the south end of the lake. It will then be moved to Wood Lake and subsequently to Rec West in Penticton. If we run out of time, Willow Beach will be passed by this year.

The bombardier is two-thirds finished at the Kelowna foreshore and it will then be moved to Motel Row.

REQUEST FOR
HARVESTING:

Duck Lake:

Moved by Alt. Director Blattner, seconded by Director French:

"That the request for harvesting at Duck Lake be denied due to a lack of funding and it be suggested that someone like Mr. Hackman be employed to carry out a harvesting program at this location, and further, it be the policy of the Board where private developers wish harvesting done they be referred to private contractors in this business."

CARRIED.

INTENSIVE
PROGRAM:

Kalamalka Lake:

Dr. Newroth advised that it is the objective in 1985 to do a more intensive harvesting program in Kalamalka Lake, including tillage, diver dredging and burlapping. The projected program should keep the water quality about the same without expanding the milfoil.

OKANAGAN BASIN
WATER BOARD:

Year End:

Moved by Director Frost, seconded by Alt. Director Blattner:

"As recommended by the Administrator, the Ministry of Municipal Affairs be requested to authorize the change in year-end for the Okanagan Basin Water Board to March 31st so that the budgets can be co-ordinated with the Ministry of Environment and be more easily administered."

CARRIED.

VOTE OF
THANKS:

Okanagan-Similkameen Regional District:

Moved by Director Frost, seconded by Director French:

"That a letter be written to the Okanagan-Similkameen Regional District thanking them for hosting the Board's meeting, together with providing lunch."

CARRIED.

NEXT MEETING:

The Board agreed that the next meeting of the Okanagan Basin Water Board be held when it is convenient for Dr. Peter Pearse and Mr. Ben Marr to attend.

ADJOURNMENT:

There being no further business, the meeting adjourned at
4:30 p.m.



CHAIRMAN



SECRETARY-TREASURER

PM/las

OKANAGAN BASIN WATER BOARD

MINUTES OF A REGULAR MEETING OF THE OKANAGAN BASIN WATER BOARD HELD IN THE REGIONAL DISTRICT OF CENTRAL OKANAGAN BOARD ROOM, 540 GROVES AVENUE, KELOWNA, B. C., ON THURSDAY, JULY 11TH, 1985 AT 2:55 P.M.

PRESENT:

Chairman E. Lamont	Central Okanagan Reg. Dist.
Director N. Oystryk	Central Okanagan Reg. Dist.
Director A. Horning	Central Okanagan Reg. Dist.
Director A. Clarke	North Okanagan Reg. Dist.
Director R. P. French	North Okanagan Reg. Dist.
Director J. Foord	North Okanagan Reg. Dist.
Director R. Biggs	Okanagan-Similkameen Reg. Dist.
Director R. Frost	Okanagan-Similkameen Reg. Dist.
Director M. B. Newman	Okanagan-Similkameen Reg. Dist.

ALSO PRESENT:

Mr. M. Maxnuk	Ministry of Environment
Mayor D. Hammil	City of Kelowna
Mr. D. Vest	City Engineer, City of Vernon

STAFF:

P. Mackiewich	Administrator
G. Armour	Field Supervisor

Prior to commencement of the regular meeting of the Okanagan Basin Water Board, the members of the Board and staff were hosted to a luncheon by the Central Okanagan Regional District where the guests included Mr. Ben Marr, Deputy Minister of Environment, Mr. W. Bennett, former Chairman of the Okanagan Basin Water Board, Mr. J. Stuart, Chairman, Central Okanagan Regional District, Mayor D. Hammil, City of Kelowna.

The luncheon was addressed by Mr. Ben Marr who outlined the history of the Province's relationship with the Okanagan Basin Water Board, as well as the strides that have been made within the Okanagan Basin to remove phosphorous from the Okanagan Lake system.

Mr. Marr stated that 90% phosphorous removal can be achieved for a cost of approximately \$19 million in the Basin, however this cost rises to \$160 million if 100% phosphorous removal is attempted. He recommended that the agencies concentrate on secondary sources of effluent such as farms, septic tanks, etc., which removal would be more cost effective.

The luncheon was also addressed by Mr. Wally Bennett who outlined how the Board came to be. The luncheon was followed by a tour of Kelowna's Bardon Pho sewage plant, after which the meeting was convened.

MINUTES:

Moved by Director Horning, seconded by Director Oystryk:

"That the minutes of a regular meeting of the Okanagan Basin Water Board held on April 11th, 1985 and the minutes of a meeting of the Aquatic Plant Management Committee held on April 11th, 1985 be adopted as circulated."

CARRIED.

COMMITTEE REPORTS:

AQUATIC PLANT
MANAGEMENT
COMMITTEE:

Recommendations:

The Administrator reviewed the recommendations made by the Aquatic Plant Management Committee at its meeting held on July 11th, 1985 and the following resolutions were made:

Aquatic Weed Removal:

Moved by Director Biggs, seconded by Director Foord:

"That as recommended by the Aquatic Plant Management Committee, the contract for aquatic weed removal be awarded to Bill Brant Industries in the amount of \$3,993 for the Vernon area and to Mr. Mark Turton in the amount of \$2,500 for the Kelowna foreshore."

CARRIED.

Peachland Irrigation District Reservoir:

Moved by Director Oystryk, seconded by Director Newman:

"That as recommended by the Aquatic Plant Management Committee, the Peachland Irrigation District be advised that their reservoir is not suitable for harvesting by the conventional weed harvesting machines and that the alternative would be for the Irrigation District to purchase a small harvester or that the Water Board make its diver dredge available to them at their cost when we are finished with it."

CARRIED.

New Harvesting Inventions:

Moved by Director Clarke, seconded by Director Biggs:

"That as recommended by the Aquatic Plant Management Committee, the following policy be adopted covering the manner in which new machine inventions are dealt with:

1. The first contact to be Mr. Mel Maxnuk's office;
2. That office designate a test plot;
3. The cost, rate and effectiveness of the machine then to be determined by Mr. Maxnuk's office;
4. Mr. Maxnuk's determination of the cost, rate and effectiveness to be final;
5. No funds to be provided for development or testing of the machines."

CARRIED.

Aquatic Weed Harvesting - Slides:

Mr. Armour made a slide presentation showing the areas which have been harvested and the effect of the harvesting. It was noted that all of the sites which were tilled have definitely improved.

Waste Management Plan - City of Vernon:

Mr. Dick Vest, City Engineer, City of Vernon, presented the City's proposed Waste Management Plan which deals with a 36 year horizon and which projects a sewage treatment facility which can accommodate 90,000 people.

Mr. Vest stated that the phosphorous has to be removed from sewage. He noted that the City of Vernon is the first city to embark on a Waste Management Plan and was the first to submit this new plan for approval. He noted that it has been a refreshing experience to work with the various provincial agencies as partners, rather than as advocates.

After reviewing the Plan, it was moved by Director French, seconded by Director Oystryk:

"That the City of Vernon Waste Management Plan as presented by Mr. Vest be endorsed in principle and the City be offered encouragement for the steps they have taken and the direction in which they are going."

CARRIED.

Mr. Vest stated that the options selected by the City of Vernon gives the City the flexibility of change, for changes in technology, etc., and will enable the City to tailor make its effluent. The common factor is the treatment plant which is required.

Director Clarke noted that Mr. Ben Marr stated in his earlier speech that forestry, septic tanks, and agricultural loading is just as significant as the sewage outfalls and that it may be more cost effective to address these concerns, rather than try to remove the last 5% of the phosphorous from sewage effluent. She recommended that we should try to encourage this action, rather than insist that the municipalities remove 100% of the phosphorous from their sewage effluent.

CORRESPONDENCE:

MINISTER OF ENVIRONMENT:

Funding for cost shared Aquatic Plant Management Approved:

Correspondence was received from the Minister of Environment and Mr. P. M. Brady, Director, Water Management Branch, advising that the Government has now allocated \$142,250 for new equipment and intensive control in Kalamalka Lake, \$51,000 being committed to the Kalamalka Lake project and \$25,680 for acquisition of a new truck, leaving \$65,570 for the new rototiller and other equipment which translates to a shortfall of \$27,615 for equipment and \$1,500 for operating.

The Chairman advised that he discussed these letters with Mr. Marr who indicated that he may be able to overcome the shortfall.

REGIONAL DIST. NORTH OKANAGAN:

Septic Tank Disposal Regulations:

A copy of a letter from the Regional District of North Okanagan to the Ministry of Environment was received requesting that the draft septic tank regulations which were completed on October 10th, 1979 in accordance with Recommendation No. 31 of the Okanagan Basin Implementation Agreement and which recommendations were approved by the three Okanagan regional districts and the Okanagan Basin Water Board be implemented.

The District attached a letter from the North Okanagan Health Unit to a lady experiencing sewage problems, recommending that to intercept sewage entering onto her property, she construct a culvert to direct the effluent into a drainage ditch that provides some dilution and discharge into Vernon Creek.

Director Clarke advised that this matter was also considered by the Council of the City of Vernon who supported the request, but went one step further and asked that one Ministry be responsible for dealing with the sewage effluent disposal, rather than Health and Environment.

After some discussion, it was moved by Director Frost, seconded by Director Clarke:

"That the Okanagan Basin Water Board request both the Minister of Environment and Minister of Health to enact stricter septic tank regulations and further request that the

Provincial Government consider putting the responsibility for sewage disposal under the jurisdiction of a single Ministry, rather than being divided between Health and Environment."

CARRIED.

Reactivate Okanagan Sewage Facilities Act:

Moved by Director French, seconded by Director Frost:

"That the Provincial Government be requested to reactivate the Okanagan Sewage Facilities Act."

CARRIED.

DR. P. PEARSE: Will Attend Board Meeting after his report Presented:

A letter from Dr. P. Pearse advising that at the moment he is working in the Enquiry on Federal Water Policy on the preparation of the final report and if after the report is published the Board still would like to meet with him, he would be pleased to at least consider that possibility was received for information.

GREEN BAY HOME OWNERS' ASSOC.: Request Province for Dredging Funding:

Moved by Director Frost, seconded by Director Biggs:

"That the Green Bay Home Owners' Association be advised that although the Board is sympathetic with their problem of silting, it cannot offer any assistance to dredge the Green Bay area because it does not have jurisdiction over the lake system and its present responsibility is limited to making recommendations on the water quality and quantity and to harvest milfoil."

CARRIED.

L. MacWILLIAM, M.L.A., OKANAGAN NORTH: Funding for Sewage Disposal:

Moved by Director French, seconded by Director Frost:

"That the letter from L. MacWilliam, M.L.A., Okanagan North, enclosing a proposal covering sewage assistance for environmentally sensitive terrain be received and filed."

CARRIED.

F. KING, M.P., OKANAGAN -SIMILKAMEEN: No Federal money for Weed Control:

Correspondence from Mr. F. King, M.P., was received advising that there is no Federal money available for weed control.

Director Frost noted that the new funding of the Minister of Employment & Immigration appears to be designed to create work and is not restrictive in any manner and recommended that funds from this program should be pursued.

OLIVER WOMEN'S INSTITUTE: Oppose Use of Pesticide in Water Supply:

Moved by Director Frost, seconded by Director Clarke:

"That the submission received from the Oliver Women's Institute opposing the use of pesticides in the water supply be received and filed."

CARRIED.

SEWERAGE FACILITIES ASSISTANCE GRANTS:

Moved by Director Frost, seconded by Director Biggs:

"That the following Sewerage Facilities Assistance grant applications be approved for payment:

City of Kelowna:	To June 30/85	\$ 318,655.02;
City of Vernon	To June 30/85	\$ 195,282.01."

CARRIED.

NEW AND UNFINISHED BUSINESS:

PROVISIONAL BUDGET:

1986/87:

The Board reviewed the 1986/87 Provisional Budget and agreed with the recommendations of the Aquatic Plant Management Committee that the winter derooting fund be increased to \$54,000 from last year's expenditure of \$26,900.

Moved by Director French, seconded by Director Frost:

"That the 1986/87 Provisional Budget be adopted and the winter derooting funds be increased to \$54,000 and further the Ministry be advised that this is a bare bones budget, without any built in frills or contingencies and is absolutely vital to ensure that an adequate aquatic weed program be carried out in the budget year."

CARRIED.

FORMULA:

Sewerage Facilities Assistance Grant:

Moved by Director Frost, seconded by Director Biggs:

"That as a result of the Provincial Government changing its formula for sewage disposal facilities, if any applications are received from local governments in the Okanagan Basin for assistance from the Okanagan Basin Water Board under the new formula of the Provincial Government, the Water Board's formula be amended to maintain a consistent ratio with the funds being provided by the Province."

CARRIED.

WINTER TILLAGE PROGRAM:

The Board was advised that the Winter Tillage Programs were carried out in the Kelowna foreshore, Motel Row, Okanagan Landing, Kalamalka Beach, Oyama Canal, Wood Lake and Skaha Lake.

The cost, excluding the 1984 work at Okanagan Landing, was \$40,335.92.

LETTER OF THANKS:

The Board agreed that a letter of thanks be sent to the Central Okanagan Regional District for hosting the Board at a luncheon and to the City of Kelowna for providing a tour of the Bardon Pho plant.

ADJOURNMENT:

LETTER OF THANKS:


There being no further business, the meeting adjourned at 4:25 p.m. on a motion of Director French. The Board agreed that a letter of thanks be sent to the Central Okanagan Regional District for hosting the Board at a luncheon and to the City of Kelowna for providing a tour of the Bardon Pho plant.

ADJOURNMENT:

There being no further business, the meeting adjourned at 4:25 p.m. on a motion of Director French.



CHAIRMAN



SECRETARY-TREASURER

OKANAGAN BASIN WATER BOARD

MINUTES OF A MEETING OF THE AQUATIC PLANT MANAGEMENT COMMITTEE HELD IN THE
REGIONAL DISTRICT OF CENTRAL OKANAGAN BOARD ROOM, 540 GROVES AVENUE, KELOWNA,
B. C. ON THURSDAY, JULY 11TH, 1985 AT 10:30 A.M.

PRESENT: Chairman E. Lamont C.O.R.D.
Director R. P. Frost O.S.R.D.
Director R. P. French N.O.R.D.

ALSO PRESENT: Mr. M. Maxnuk Ministry of Environment

STAFF: P. Mackiewich Okanagan Basin Water Board
G. Armour Okanagan Basin Water Board

PROPOSALS FOR AQUATIC WEED REMOVAL:

The Committee was advised that the following proposals were received for aquatic weed removal from the Kelowna foreshore and north arm of Okanagan Lake in Vernon:

1. Rempel Bros. Contracting Ltd.: \$95 per harvested load or \$70 per hour for a 915 loader and \$36 per hour for a tandem truck.
2. Bill Brant Industries: (Vernon only) \$3,993.00;
3. Mark Turton: \$3,000 for Vernon; \$2,500 for Kelowna;
4. Mertion Excavating Ltd.: \$5,390;
5. J.C.L. Ventures Ltd.: \$55 per hour for the loader, \$38 per hour for the truck.

Mr. Armour noted that there were not as many weeds in the Kelowna area as there were last year and Mr. Mark Turton is prepared to reduce his contract fee if there are substantially less weeds. Even though Mr. Turton submitted the lowest tender for the Vernon area, Mr. Armour did not feel that Mr. Turton could handle the Vernon removal because of his equipment basically being a farm tractor. Bill Brant Industries, being the second lowest bidder, does have sufficient equipment to do the job.

Moved by Director French, seconded by Director Frost:

"That it be recommended that the contract for aquatic weed removal be awarded to Bill Brant Industries in the amount of \$3,993 for the Vernon area and to Mr. Mark Turton in the amount of \$2,500 for the Kelowna foreshore."

CARRIED.

ACQUISITION OF CRANE:

Mr. Armour advised that the crane for the new truck was purchased from Danco Equipment and after the order was given it was discovered that delivery was a problem. The crane was subsequently received three weeks later than anticipated and is now being mounted on the truck. The unit should be in operation within the next week.

Mr. Armour advised that the crew is extremely happy with the new truck's performance.

FUNDING FOR AQUATIC PLANT MANAGEMENT:

The Committee was advised that the Provincial Government has now allocated \$142,250 for new equipment and intensive control in Kalamalka Lake, \$51,000 being committed to the Kalamalka Lake project and \$25,680 for acquisition of a truck leaving \$65,570 for the Provincial contribution for the new rototiller and other equipment.

The Director of the Water Management Branch suggested that Provincial funds remaining after the rotovator is completed be applied to the new crane and they would hope to complete payment next fiscal year. The cost of the crane is \$33,185, leaving a shortfall in capital of \$27,615 and a shortfall in operating of \$1,500.

It was agreed that this matter would be discussed later in the day with Mr. Ben Marr, Deputy Minister. In addition, it should be emphasized that the Okanagan Basin Water Board should be getting into prevention as well as control.

1986/87 PROVISIONAL BUDGET:

The Committee reviewed the 1986/87 Provisional Budget and recommended that the winter derooting funds be increased from \$26,900 in 1985 to \$54,000 in 1986/87 as a result of the additional machine and the added desire to conduct more winter derooting programs.

The Committee noted that this is a bare bones budget without any built in frills or contingencies.

NEW HARVESTING INVENTIONS:

The Administrator advised that over the past several months, many persons appear to be designing and building aquatic weed harvestors and demand that the Water Board provide work for their inventions without even knowing whether or not their machines will work. He recommended that the Board establish a policy relating to the manner in which these machines and inventors are dealt with.

After some discussion, it was moved by Director Frost, seconded by Director French:

"That it be recommended to the Board that the following policy be adopted covering new machines:

1. The first contact to be Mr. Mel Maxnuk's office;
2. That office designate a test plot;
3. The cost, rate and effectiveness of the machine then to be determined by Mr. Maxnuk's office;
4. Mr. Maxnuk's determination of the cost, rate and effectiveness to be final;
5. No funds to be provided for development or testing of the machines."

CARRIED.

PEACHLAND IRRIGATION DISTRICT RESERVOIR:

Mr. Greg Armour advised that he visited the Peachland Irrigation District Reservoir and found that it is not suitable for harvesting by the conventional weed harvesting machines.

The alternative would be for the Irrigation District to purchase a small harvester or that we make the diver dredge available to them at their cost when we are finished with it.

The Committee agreed with Mr. Armour's alternate proposals.

ADJOURNMENT:

There being no further business, the meeting adjourned at 12:00 noon.



CHAIRMAN



SECRETARY-TREASURER

PM/las

OKANAGAN BASIN WATER BOARD

MINUTES OF A MEETING OF THE AQUATIC PLANT MANAGEMENT COMMITTEE HELD IN THE
REGIONAL DISTRICT OF NORTH OKANAGAN BOARD ROOM, 2903 - 25TH AVENUE, VERNON,
B. C. ON THURSDAY, OCTOBER 10TH, 1985 AT 2:30 P.M.

<u>PRESENT:</u>	Chairman E. Lamont	C.O.R.D.
	Director R. P. Frost	O.S.R.D.
	Director R. P. French	N.O.R.D.
<u>ALSO PRESENT:</u>	Mr. M. Wallis	Ministry of Environment
	Mr. D. Dobson	Ministry of Environment
<u>STAFF:</u>	P. Mackiewich	Okanagan Basin Water Board
	G. Armour	Okanagan Basin Water Board

SUMMARY REPORT - 1985 HARVESTING ACTIVITIES:

Mr. Armour circulated the attached 1985 Aquatic Weed Harvesting Program Activities.

The Committee was advised that the dredging program is showing good results, however, it is hard to say how long it will be effective, but several years of control should be attainable. The areas dredged will require minimum, but constant maintenance to control the aquatic weeds.

WINTER TILLAGE SCHEDULE FOR 1985/86:

Mr. Armour reported that the old rototiller will be in Shuswap Lake until the end of November, after which time it will be moved to Osoyoos Lake and be used at Willow Beach until winter. It will be tried in the U.S. for approximately two weeks and will be moved back in February to complete work at Willow Beach. The machine will then be moved to Skaha Lake and will be used at Rec. West, the west corner and O.K. Falls which is a new site.

The new rototiller will be used in Okanagan Lake between approximately October 15th and November 12th and during this period a small area in Phillips Corner may be tried. It will be moved to Kalamalka Lake in February and will be used at the north end, including the Country Club and Oyama. In Wood Lake the area treated last year at the south end will be expanded.

The bombardier will be used at Shuswap Lake for approximately one week between mid and end of October. It will then be moved to Okanagan Lake in Kelowna for November/December and work may continue into February. It will also be used in Osoyoos Lake at Motel Row.

Other sites which can be considered for tillage include Kelowna foreshore, where the area can be rotovated beyond the bombardier site. The dredging program in Kalamalka Lake is scheduled for shutdown between October 18th and 25th. The treatment sites in the north end have been completed and the dredge is currently operating at the south end near Oyama.

Texel bottom barriers were used in areas where dredging was not feasible such as Cosens Bay and the northeast side. The Committee was advised that texel may work better than burlap as plants did not re-root off the top and the material does not deteriorate, however it costs 30% more than burlap.

JENNENS AGREEMENT:

Discussion arose over the agreement with Gordon Jennens related to the construction of his submersible machine and its progress.

Director Frost expressed the opinion that the agreement with Mr. Jennens should be registered.

STORAGE YARD MOVED TO VERNON:

The Committee was advised that the storage yard used by the Okanagan Basin Water Board in Kelowna was sold and it was necessary to relocate the facilities and equipment to Vernon.

Only one week's notice was given to move and the cost of the move was approximately \$2,600.00

LIABILITY INSURANCE:

The liability insurance carried by the Okanagan Basin Water Board was discussed and the Committee recommended that the Board's agents appear at the next regular meeting to explain the liability coverage which is provided.

NEXT REGULAR MEETING:

The Committee agreed that the next regular meeting of the Board should be held on Tuesday, October 29th, 1985 at 1:30 p.m. at the offices of the Regional District of North Okanagan and that Dr. P. Pearse be invited to address the meeting.

EXPANDING SCOPE OF THE BOARD:

The Committee discussed the role and scope of the Board and recommended that the Board be involved in developing a Waste Management Formula for the Basin and felt this would promote co-operation among local areas and would add to the weight of the Board, both Federally and Provincially.

The Committee recommended that a letter be sent to the Minister of Environment requesting that the Okanagan Basin Water Board be permitted to participate in developing the cost sharing formula under the recently announced Environmental Protection zone grants.

ADJOURNMENT:

After some discussion, the meeting adjourned at 3:55 p.m.

	
CHAIRMAN	SECRETARY-TREASURER

After some discussion, the meeting adjourned at 3:55 p.m.

	
CHAIRMAN	SECRETARY-TREASURER

OKANAGAN BASIN WATER BOARD

MINUTES OF A REGULAR MEETING OF THE OKANAGAN BASIN WATER BOARD HELD IN THE
REGIONAL DISTRICT OF NORTH OKANAGAN BOARD ROOM, 2903 - 35TH AVENUE, VERNON,
B. C., ON TUESDAY, OCTOBER 29TH, 1985 AT 1:40 P.M.

PRESENT:

Chairman E. Lamont	Central Okanagan Reg. Dist.
Director N. Oystryk	Central Okanagan Reg. Dist.
Director A. Horning	Central Okanagan Reg. Dist.
Director A. Clarke	North Okanagan Reg. Dist.
Director R. P. French	North Okanagan Reg. Dist.
Director J. Foord	North Okanagan Reg. Dist.
Director R. Biggs	Okanagan-Similkameen Reg. Dist.
Director R. Frost	Okanagan-Similkameen Reg. Dist.
Director M. B. Newman	Okanagan-Similkameen Reg. Dist.

ALSO PRESENT:

Mr. D. Dobson	Ministry of Environment
Mr. M. Wallis	Ministry of Environment

STAFF:

P. Mackiewich	Administrator
G. Armour	Field Supervisor

MINUTES:

Moved by Director Clarke, seconded by Director French:

"That the minutes of a regular meeting of the Okanagan Basin Water Board held on July 11th, 1985 be adopted as circulated."

CARRIED.

DELEGATIONS:

MR. DAVE
SIMPSON:

Liability Insurance

Mr. Dave Simpson of Baron Insurance Agencies Ltd., the Board's insurers, appeared to advise the Board that our liability policy has no perils and is for \$5 million with a \$2,500 reimbursement clause. Coverage up to \$7,500 is also provided for sewer backup.

Mr. Simpson stated that it also provides umbrella coverage for Board members, but recommended that the Board members obtain their own liability insurance which would cost about \$75 per annum to ensure that they are covered. It is difficult to determine until an occurrence is presented to the court whether or not Directors would be personally liable.

After some discussion, it was moved by Director Clarke, seconded by Director Foord:

"That a letter be written to the Provincial Government encouraging them to take legislative action as recommended by U.B.C.M. covering liability insurance."

CARRIED.

AQUATIC PLANT MANAGEMENT COMMITTEE:

Moved by Director Briggs, seconded by Director Oystryk:

"That the minutes of a meeting of the Aquatic Plant Management Committee held on July 11th, 1985 be adopted as circulated."

CARRIED.

CORRESPONDENCE:

P. M. BRADY, WATER
MANAGEMENT BRANCH:

1986/87 Funding:

A letter from P. M. Brady, Director, Water Management Branch, advising that our request for funding for aquatic plant management in the fiscal year 1986/87 is under consideration was received for information.

DEPUTY MINISTER
OF ENVIRONMENT:

Additional 85/86 Funding:

Correspondence from Mr. B. E. Marr, Deputy Minister of Environment, advising that our request for additional funds of \$1,500 for the operational base budget and \$27,615 for capital acquisition in the 85/86 fiscal year will be provided was received for information.

MINISTER OF
ENVIRONMENT:

Septic Tank Regulations:

A letter was received from the Minister of Environment advising that our request for implementation of the septic tank regulations prepared by the Task Force has been placed high on the list of priorities.

The Chairman suggested that development of a strategy for sewage disposal in general, including the manner in which the recently announced grants will be distributed should be a focus for a meeting early in the new year.

OLIVER WOMEN'S
INSTITUTE:

Opposed to Pesticide Use:

Correspondence from the Oliver Women's Institute to the Minister of Environment opposing the use of pesticides in the Okanagan water supply was received.

The Board agreed that a letter be written to the Oliver Women's Institute advising them that the Board is not contemplating the use of chemicals in the Okanagan water system.

HOBSON, RAMSAY,
WILSON & GOLDSTEIN:

Offer Services:

A letter was received from Mr. Robert Hobson of Hobson, Ramsay, Wilson & Goldstein offering to prepare information on perception on water management in the Okanagan Basin.

After discussing the matter, the Board expressed the opinion that sufficient studies have been done covering water management in the Okanagan Basin and it was the feeling that emphasis should be placed on the implementation of these recommendations, rather than the preparation of additional historical information.

MR. AND MRS.
R. HEIN:

Oppose Proposed Pollution Control Permit - Midway Shell
Carwash, Winfield, B. C.:

A letter was received from Mr. and Mrs. R. Hein opposing the issuance of a pollution control permit to the Midway Shell Carwash and expressing fears over possible problems and contamination of the wells in the area.

Director Oystryk advised that it is his understanding that sewage from the Midway Shell Carwash is being disposed to a holding tank and not to a septic tank.

The Board directed that a letter be written to the South Okanagan Health Unit asking them what action they have taken to alleviate any possible pollution problems and the feared contamination of wells in the area.

INSPECTOR OF MUNICIPALITIES:

Maintain Present Sewerage Facilities Assistance Fund Rate Structure:

A letter was received from the Inspector of Municipalities advising that the Board's request to increase the Sewerage Facilities Assistance Fund by an amount equivalent to .5 mill has been reconsidered and it is the position of the Ministry that the present levy of an amount equivalent to 1 mill be maintained at the present time.

Moved by Director Biggs, seconded by Director Newman:

"That another letter be written to the Inspector of Municipalities advising that the Board cannot understand his reluctance to approve the increase, particularly in view of the designation of the Okanagan Basin as an environmentally sensitive area by the Provincial Government and again requesting his favourable consideration of the requested increase."

CARRIED.

MINISTER OF HEALTH:

Septic Tank Regulations:

A letter was received from the Minister of Health advising that our request that the proposed Septic Tank Regulations as recommended by the Okanagan Basin Task Force be implemented was addressed in 1980 suggesting that with an amendment to Letters Patent, regional districts could produce by-laws that govern the installation of on-site sewage disposal systems and that such by-laws would replace the existing sewage disposal regulations and incorporate control of nutrients.

Moved by Director Clarke, seconded by Director Biggs:

"That the Minister of Health be advised that the Minister of Municipal Affairs, together with Mr. Dan Campbell who is currently reviewing regional districts, have both publicly stated that regional districts should not assume responsibilities which are already administered by the Provincial Government and that he again be requested to reconsider his decision and do whatever he can to implement the proposed septic tank regulations."

CARRIED.

MINISTER OF REVENUE CANADA:

Tax Status of Aquatic Weed Rototiller:

A letter from the Minister of Revenue Canada advising that he has no authority to waive the federal sales and excise taxes covering the purchase price of the new rototiller was received and filed.

REGIONAL DISTRICT OF OKANAGAN-SIMILKAMEEN:

Confirm Support of Proposed Septic Tank Regulations:

The correspondence from the Okanagan-Similkameen Regional District confirming support and requesting the Provincial Government to implement the proposed septic tank regulations was received for information.

SIERRA CLUB OF WESTERN CANADA:

Brief - City of Vernon Waste Management Plan:

A brief received from the Sierra Club of Western Canada outlining its concern over the Waste Management Plan prepared by the City of Vernon was received for information.

SEWERAGE FACILITIES ASSISTANCE GRANTS:

CITY OF ARMSTRONG:

Moved by Director French, seconded by Director Newman:

"That the grant application under the Sewerage Facilities Assistance Fund received from the City of Armstrong in the amount of \$15,424.26 to July 15th, 1985 be approved."

CARRIED.

VILLAGE OF OLIVER:

It was further moved by Director Newman, seconded by Director Biggs:

"That the grant application received from the Village of Oliver under the Sewerage Facilities Assistance Fund in the amount of \$38,170.80 to July 15th, 1985 be approved."

CARRIED.

NEW AND UNFINISHED BUSINESS:

SEWERAGE FACILITIES ASSISTANCE FORMULA:

Discussion arose over whether or not it is necessary to amend the Sewerage Facilities Assistance formula, inasmuch as the Okanagan has now been designated an environment protection area by the Provincial Government and inasmuch as it appears that the Provincial Government will pay 75% of the capital costs up front for any new sewage facilities.

After some discussion, it was moved by Director Oystryk, seconded by Director Foord:

"That the present Sewerage Facilities Assistance Formula remain in effect for existing debt. New applications for assistance where the Provincial Government will provide 75% of the capital costs up front for sewerage facilities be calculated on the basis so that the same amount of monies are provided by the Okanagan Basin Water Board that would have been provided had the original formula not changed from the community paying the first 2.5 mills and the Okanagan Basin Water Board paying 24% of the amount the Province would have paid if it were paying 75% of the eligible debt charges."

CARRIED.

WEED HARVESTING PROGRAM - 1986:

Mr. Armour reviewed the minutes of a meeting of the Aquatic Plant Management Committee held on October 10th, 1985 covering the 1985 and proposed 1986 activities. He noted that the budget will be tight for this year and it may be necessary to charge harvester repairs to the 1986 budget. He indicated that if the 1986 budget is approved as presented, sufficient funds should be available for the forthcoming programs.

Insofar as the 1985 program was concerned, the Administrator advised that not a single complaint was received in 1985, but several compliments were received. It appears that the Board has found its satisfactory level of service and if this level can be maintained, the public should be happy.

DUCK LAKE:

Request for Harvesting:

The Administrator advised that pressure is being received from the owner of the Mobile Home/R.V. Park to harvest weeds at Duck Lake.

Mr. Armour noted that the problem is that the request for harvesting at Duck Lake is for the same time as the other lake harvesting and it may present scheduling problems. It appears, though, that if the same amount of harvesting is to be done as in 1985, machine time will be available during the summer to conduct harvesting at Duck Lake.

The Board expressed concern that some of the area may be man made and directed that the administration determine whether or not the area requested to be harvested is natural lake bed or is man made and this information be presented to the next meeting of the Board.

CHAIRMAN'S
REMARKS:

The Chairman suggested that as a focus for the upcoming year, Dr. P. Pearse and the representatives of the Waste Management Branch be invited to attend a meeting of the Board early in the new year to discuss water quantity and quality in the area. In addition, the Board should become involved in any program or formula the government may be developing, such as the newly declared environmentally sensitive area in the Okanagan.

Chairman Lamont suggested that the Board concentrate in developing public support for its efforts in dealing with water quantity and quality problems and its weed harvesting program.

The Chairman thanked the members of the Board for their attendance during the past year and for the support they have given to him.

He suggested that an application be made for funds to subsidize the purchase of bottom barriers by individuals wishing to use them to control aquatic weeds. The Chairman noted that Texel is now on the market, which product may be better than burlap.

Mr. Wallis stated that the Ministry is not encouraging the use of Texel at this time because the long term effects have not yet been determined. Texel is not biodegradable and it has been found that plants have rooted in the Texel and it may have to be removed before other methods of control can be used.

Discussion arose over whether or not a subsidy should be given to purchasers of burlap which costs \$236 for a roll 100 m x 3 m in size.

After some discussion it was moved by Director Oustryk, seconded by Director Foord:

"That a sum of \$2,000 be placed in the budget to subsidize persons purchasing burlap for bottom barrier control at 25% below cost, provided that the purchaser sign a statement that they will only use the material for bottom barrier control and that they provide a legal description of their property on which it will be used and the discount will only apply for the purchase of one roll per property."

CARRIED.

ADJOURNMENT:

There being no further business, the meeting adjourned at 3:35 p.m. on a motion of Director Foord.



CHAIRMAN



SECRETARY-TREASURER

PM/1as

1985

AQUATIC WEED HARVESTING PROGRAM

The Eurasian Water Milfoil Harvesting Program was conducted from June 17th to August 30th, 1985 in Osoyoos, Vaseux, Okanagan, Skaha and Wood Lakes. The four harvesters cut a total of 1,189 machine loads or 2,294 tonnes of weeds representing almost 90 hectares of treated area. This is a decrease of 17% from the 1,440 loads cut in 1984. Sites where winter tillage was performed required little or no early season harvesting accounting for some of the decrease. Most notable were:

1. Wood Lake: 91 fewer machine loads cut in 1985 after rototilling of the south shore.
2. Kelowna Shutdown of harvesting from June 24 - July 5 due to
 Foreshore: Lack of weed growth.

In Osoyoos Lake where rototilling of Willow Beach was not done in 1985, the tonnage of weeds cut was up slightly from 300 in 1984 to 384 in 1985. In addition, several sites which were not subjected to tillage showed slow early season growth. This was noticeable in the north end of Vaseux Lake and parts of Okanagan Lake. Weather conditions were not a factor, nor were water levels high. It is likely that these weed beds were undergoing an "off year" in their growth cycle. In Osoyoos Lake, only limited harvesting was required in August as weeds at many sites did not reach nuisance level.

Machine downtime was higher in two cases in 1985 (Harvester #2 and #3) reflecting major breakdowns, including a seized engine on Harvester #3. The equipment is now 7 and 8 years old and some major mechanical and structural defects can be expected.

Cost of weed disposal in Kelowna and Vernon was put out to bids this year, with a resultant savings of about \$4,000. Bids may be somewhat higher next season as both contractors found the job entailed more hours than they had expected.

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Expenditures to the end of the harvesting season are as follows:

Machine Operator Wages	\$ 28,773.00
Truck Driver Wages	3,473.00
Equipment Transport	2,706.00
Vehicle Rental	3,300.00
Vehicle Fuel and Maintenance	2,851.00
Travel Expenses	1,430.00
Crane Rental	1,800.00
Harvesting Fuel and Lubricants	3,274.00
Harvesting Maintenance, Repair, Supplies	10,198.00
Contract Weed Disposal	7,253.00
Water Intake Repairs	<u>305.00</u>
	\$ <u><u>65,363.00</u></u>

Additional expenses for harvester maintenance and repair will follow. Major savings in operator wages will be applied to the expansion of winter tillage in 1985/86.

TABLE 1
HARVESTING PRODUCTION SUMMARY 1985

<u>UNIT NUMBER</u>	<u>LOADS HARVESTED</u>	<u>TONNES</u>	<u>ESTIMATED AREA</u>
H65015 (Harv #1)	469	797	33.0 na
H65028 (Harv #2)	323	549	22.8 na
H65035 (Harv #3)	226	304	15.9 na
H11-1100 (Altosar)	171	564	18.0 na
Total	1,189 loads	2,294 tonnes	89.7 na

TABLE 2
HARVESTING PRODUCTION BY LAKE: 1985

<u>LAKE</u>	<u>LOADS HARVESTED</u>	<u>TONNES</u>	<u>ESTIMATED AREA</u>
Osoyoos	226	384	15.9 na
Vaseux	187	318	13.2 na
Skaha	251	426	17.7 na
Okanagan	408	967	34.7 na
Wood	117	199	8.2 na
Total	1,189 loads	2,294 tonnes	89.7 na

HARVESTING OPERATIONS RECORD - 1985

H65015

H 65028

H65035

H11-1100

TOTAL HOURS	636	528	281	449
TOTAL OPERATING HOURS	529 (83.2%)	384 (72.7%)	184 (65.4%)	327 (72.8%)
TOTAL DOWNTIME	107 (16.8%)	204 (27.3%)	97 (34.6%)	122 (27.1%)

HARVESTING PRODUCTION SUMMARY 1985

H65015 (Harv #1)

Location		Date Harvested	Loads
1. Skaha Lake:	Kaleden	June 17 - 20	28
	Okanagan Falls	June 21 - 26	35
	Sunny Bay, Skaha Estates	June 27 - July 2	25
	Eastside (Penticton)	July 3, 4	15
	Skaha Beach (northwest)	July 5 - 9	27
2. Vaseux Lake:	Provincial Campground	July 10, 29, 30	32
	East and south shores	July 11, 12, July 18 - 26	91
	River Channel	July 15 - 18	64
3. Okanagan Lake:	O.K. Marina	July 31, Aug. 1	9
	Trout Creek	Aug. 2	5
	Summerland	Aug. 6 - 8	10
	Naramata	Aug. 7	2
	Peachland	Aug. 9	5
4. Skaha Lake:	Skaha Beach		12
	Kaleden		17
	Skaha Estates		15
	Okanagan Falls		45
	Sunny Bay		16
	Eastside		16

H65028 (Harv #2)

Location		Date Harvested	Loads
1. Wood Lake	South end	June 17 - 21	50
		July 9 - 12	
	Along highway	June 24, July 2	6
	- North end	June 25 - 28	22
	- East end		
	* Breakdown	July 3 - 9	--

HARVESTING PRODUCTION SUMMARY 1985

H65028 (Harv #2), Continued

<u>Location</u>	<u>Date Harvested</u>	<u>Loads</u>
2. Okanagan Lake: (Vernon)		
East shore	July 15 - 25	72
Kin Beach	July 26 - Aug. 7	114
West Shore		
(Westside)		
Newport Beach	Aug. 12 - 18	20
Alexis Beach		
3. Wood Lake: South end	Aug. 19 - 22	39
	Aug. 27, 28	
* Breakdown	Aug. 23 - 26	--

H65035 (Harv #3)

<u>Location</u>	<u>Date Harvested</u>	<u>Loads</u>
1. Osoyoos Lake: Willow Beach	June 19 - 21, 27	35
Motel Row	July 2	4
Sailing Club	July 3	4
Willow Beach	July 3 - 12	142
Sailing Club	July 15	15
Central and South Basins:		
Solana Bay	July 16	1
East Shore	July 17	8
Haynes Point (north)	July 18	5
Legion Beach	July 19	3
Haynes Point (south)	July 22	3
Brookvale Campground	July 23, 24	3
North Basin:		
Sailing Club	July 25	8
Motel Row	July 29	5
Shutdown due to Lack of weed growth	July 30 - Aug. 30	

HARVESTING PRODUCTION SUMMARY 1985

H11-1100 (Altosar)

<u>Location</u>	<u>Date Harvested</u>	<u>Loads</u>
1. Okanagan Lake: Kelowna:		
Westside Cays	June 18 - 20	9
Green Bay	June 21	--
Shutdown due to lack of weed growth	June 24 - July 5	--
Watt Road/Cedar Ave.	July 8	7
Seaplane Base	July 9	1
Vernon:		
Kin Beach	July 10 - 19	55
Westside:		
Alexis Beach	July 22 - 25	9.5
Kelowna:		
Bear Creek	July 29	1.5
Seaplane Base	July 30	5
Sutherland Bay	July 31, Aug. 1	5
Yacht Club	Aug. 2	1
Hot Sands Beach	Aug. 6 - 9	12
Vimy Avenue		
Cedar Avenue	Aug. 12 - 19	33
Capozzi Road	Aug. 29	1
Westbank:		
Casa Loma	Aug. 20	4
Green Bay	Aug. 21 - 23	14
Pritchard Drive	Aug. 26 - 27	10
Westside Cays	Aug. 28	3

OKANAGAN BASIN WATER BOARD

MINUTES OF A MEETING OF THE AQUATIC PLANT MANAGEMENT COMMITTEE HELD IN THE
REGIONAL DISTRICT OF NORTH OKANAGAN BOARD ROOM, 2903 - 35TH AVENUE, VERNON,
B. C. ON WEDNESDAY, JANUARY 16TH, 1985 AT 3:00 P.M.

PRESENT: Chairman E. Lamont C.O.R.D.
Director R. P. Frost O.S.R.D.
Director R. P. French N.O.R.D.
Mr. M. Maxnuk Ministry of Environment

STAFF: P. Mackiewich Okanagan Basin Water Board
G. Armour Okanagan Basin Water Board

ACQUISITION OF NEW EQUIPMENT:

Discussion arose over the approach which should be used to acquire an additional rotovator and replace the existing boom truck.

The Committee noted that Section 8 of the Agreement for Aquatic Plant Management with the Province provides that approved equipment acquired for locally initiated aquatic plant control projects which is additional to the present equipment shall be cost shared on a 75%/25% basis.

The Committee was advised that the three Okanagan Regional Districts have now authorized a levy of approximately \$90,000 in 1985 for capital expenditures on equipment.

The Committee was also advised that the submission made to the Director of the Water Management Branch and the delegation which met with the Premier on December 17th, 1984 requesting the additional equipment were both met positively and the Premier stated that he would take the Okanagan Basin Water Board's request down to the Minister and plug it into Cabinet. He also stated that as the M.L.A. for South Okanagan, he supports the request and the Aquatic Weed Harvesting Program.

The Committee agreed that if the Government was unable to raise its 75% share of the cost of the equipment in one year, the Okanagan Basin Water Board should purchase the equipment and enter into an agreement with the Province to repay its share of the equipment over a three-year period.

In addition, the Committee recommended that a publicity program be undertaken to emphasize the Government's participation in the acquisition of the additional weed harvesting equipment once they have approved the said acquisition.

Both Mr. Armour and Mr. Maxnuk stated that even if the funds were approved immediately, it would be impossible to have a rotovator built before fall. A truck, however, could be acquired fairly quickly.

INVITATION OF MEMBERS OF PARLIAMENT:

The Committee recommended that the two Okanagan Members of Parliament be invited to the next Okanagan Basin Water Board meeting to discuss matters of mutual concern.

HOLWEG'S WEED HARVESTING MACHINE:

The Chairman advised that he was contacted by a Mr. Lovereign from Westbank who enquired whether or not the Okanagan Basin Water Board could contribute towards the development of a weed harvesting machine apparently belonging to Mr. Holweg.

The Committee noted that the job which must be done with the dollars available has to be an extremely efficient job and suggested that Mr. Holweg should bid on a specific site for clearing of aquatic weeds.

Insofar as development funds are concerned, he should be advised that the Okanagan Basin Water Board does not have any funds for development purposes.

PRIORITY AREAS:

The Committee suggested that letters be written to the Okanagan M.L.A.'s and to the Regional Districts asking them what their weed harvesting priorities are for 1985.

In addition, the Chairman agreed to approach the Premier's office to determine how best to issue publicity notices.

WINTER DEROOTING SCHEDULE:

The Committee was advised that the rotovator and cultivator will commence work during the last week of January, providing the weather holds. It is proposed to rotovate in the north end of Kalamalka Lake to February 15th and to double shift the machine. At the same time, the Kelowna Foreshore will be cultivated. The rotovator will then be moved to the Oyama Canal and the north end of Kalamalka Lake during the last two weeks of February, after which time it will proceed to the south end of Woods Lake and will work there until the end of March.

This extended rotovating work will ease up on the harvesting schedule during the summer. Very good success has been obtained with the rotovator at Recreation West and that area will again be done after Woods Lake is completed. The rotovator will then be moved to Willow Beach and will work there until the end of April. It is proposed that the rotovator will be double shifted to the end of March. The cultivator will work at the Kelowna Foreshore until the end of February and will then be moved to Motel Row for approximately four weeks.

PADDLEWHEEL PARK:

The Committee was advised that if the bottom of the foreshore at Paddlewheel Park could be cleaned up so that it could be rototilled, the beach area would be enhanced.

Director French agreed to contact the Greater Vernon Parks & Recreation District in this regard.

COMPREHENSIVE FORESHORE PLANS:

Director Frost noted that comprehensive foreshore plans are being developed by the communities in the Okanagan. Once these plans are registered, the community becomes fully responsible for the foreshore.

Director Frost recommended that the Okanagan Basin Water Board be involved in the development of the comprehensive foreshore plans or, at least, provide input into the development of these plans.

The Committee recommended that a letter be written to the Ministry of Lands, Parks and Housing asking them to refer foreshore development plans to the Okanagan Basin Water Board for recommendations.

Mr. Maxnuk advised that the Ministry of Lands, Parks and Housing has issued a new policy pamphlet covering wharfs, etc., which provides for the legalization of the structures which were illegally installed.

FORMULA FOR COST SHARING - SHARED EQUIPMENT:

The Administrator recommended that a formula be developed for the sharing of costs among the users of the aquatic weed harvesting equipment. At the present time, expenses are arbitrarily assigned by the Water Management Branch.

He recommended that one entity be responsible for paying all of the expenses incurred on a piece of equipment and these expenses be apportioned among the users on a time basis, with the exception that if expenses were incurred as a result of negligence, then that user would be responsible for the full cost of repairs.

The Committee agreed that a meeting be held among the users of the weed harvesting equipment to establish such a formula.

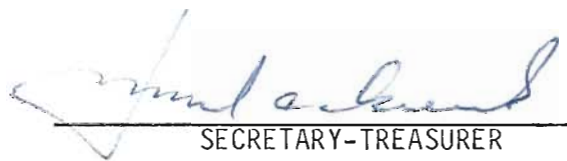
BOTTOM BARRIERS

Messrs. Maxnuk and Armour advised that Texal was used as a bottom barrier, however, they were not yet ready to recommend its use. About one year is required to analyse its effectiveness. Texal is more expensive than burlap so burlap will continue to be used as a bottom barrier.

ADJOURNMENT:

There being no further business, the meeting adjourned at 4:45 p.m.


CHAIRMAN


SECRETARY-TREASURER

PM/las

PM/las