

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD, FEBRUARY
3, 1972, 2:00 p.m. REGIONAL DISTRICT OF CENTRAL OKANAGAN, KELOWNA,
B.C.

Present: W.C. Bennett(Chairman) R.D.C.O.
M. Marshall R.D.C.O.
G.V. Lawrence R.D.O.S.
P.A. Farmer R.D.O.S.
L. Bawtree R.D.N.O.
P. Duke R.D.N.O.

Also in attendance:

Mayor H. Roth	City of Kelowna
Mayor S. Fleming	City of Vernon
Mayor F.W. Laird	City of Penticton
B. Harvey	Vernon Irrigation District
D. Barcham	Planner, Regional District of Central Okanagan
N. Deck	Engineering Director, City of Kelowna
J.M. Blagborne	Summerland
J. Hamilton	Engineer, City of Penticton
H. Wachnicki	Vice-President, Winfield-Oyama- Okanagan Centre - Chamber of Commerce
R.W. Sturgess	Village of Oliver
F. Alcock	South Okanagan Health Unit
E. Walton	Engineering, City of Vernon
C. Hord	McNeil Enterprises, Penticton
J. Booth	Esco Ltd.,
Mr. E.R. Collins	
Mrs. E.R. Collins	

Press and Radio:

Kelowna Courier, Vernon News, Penticton Herald, CJIB Radio,
CKOV Radio, CKIQ Radio

Minutes: A correction, as follows, was made to minutes of the December
2nd. 1971 meeting:

Page 5, second last paragraph, 1st sentence, should read:
"Mr. Bawtree asked whether landowners..." rather than
"Mr. Bennett asked..."

Marshall-Bawtree:

That the minutes of the meeting of December 2, 1971 be
adopted as corrected.

CARRIED

Accounts: Accounts outstanding to February 3, totaling \$837.40 were
presented for payment.

Farmer - Duke:

That accounts totaling \$837.40 be paid.

CARRIED

Chairman's
&
Secretary-
Manager's
Reports:

The Chairman and Secretary-Manager presented detailed reports on the activities of the Water Board during 1971.

Appointments
to Water
Board 1972:

A letter from the Regional District of North Okanagan was read stating that Director L. Bawtree and Director P. Duke were appointed to the Okanagan Basin Water Board for 1972.

A letter from the Regional District of Central Okanagan indicated that W.C. Bennett, M. Marshall and D.A. Pritchard, (Alternate) were appointed to the Water Board for 1972.

Mr. Farmer indicated that he and Mrs. G.V. Lawrence would represent the Regional District of Okanagan-Similkameen during 1972.

Election of
Officers:

Nominations for Chairman of the Okanagan Basin Water Board were called for by the Secretary-Manager. Mr. Bennett nominated Mr. Bawtree as Chairman for the ensuing year. Upon calling for further nominations three times, the Secretary-Manager declared Mr. Bawtree Chairman of the Okanagan Basin Water Board for 1972.

Mr. Bawtree thanked the Board for his nomination. He expressed the desire to accomplish more in the field toward correcting outstanding pollution problems. He expressed an interest to work very closely with the three Regional Districts in solving mutual problems.

The Chairman called for nominations for Vice-Chairman. Mr. Bennett nominated Mr. Farmer for Vice-Chairman. This was seconded by Mrs. Lawrence. Upon calling three times for further nominations, the Chairman declared Mr. Farmer Vice-Chairman of the Okanagan Basin Water Board for 1972.

Correspondence:

The following letters were read:

Appointment
of observers:

1. Letter from the City of Vernon indicating that Mayor Stuart A. Fleming would be observer to the Water
2. Letter from the Corporation of the District of Peachland appointing Mr. Ivor Jackson as observer to the Water Board for 1972.
3. Letter from the City of Kelowna advising that Mayor H. Roth, and Mr. N.J. Deck, Director of Engineering, were appointed as observers to the Water Board for 1972. Alderman Alan Moss was appointed as an alternate to Mayor Roth.
4. Letter from the Village of Oliver appointing Mr. R.W. Sturgess as observer for 1972.

Duke -- Bennett:

That the above correspondence be received.

CARRIED

Lakeside The Secretary-Manager informed that various lakeside communities
Sani-Stations throughout the Okanagan had been contacted concerning possibilities
for Boat of cooperating with local marinas and yacht clubs in the establish-
Wastes: ment of lakeside sani-stations for discharge of boat wastes.
The Department of Transport had also been contacted to establish
sani-stations at Government wharves located in the Okanagan system.

A letter of reply from the City of Penticton indicated that the proposal for lakeside sani-stations would be considered by the City when plans for a new breakwater at the south shore of Okanagan Lake are developed.

A letter of reply from the Corporation of the District of Peachland indicated that Council agreed very much with the need for sani-stations on Okanagan Lake, and would be pleased to give consideration to making financial contribution toward building, provided that a uniform plan could be evolved for the entire Okanagan. It was suggested that the Regional District would be a logical body to establish and administer the sani-stations at an equitable cost to all taxpayers.

A letter from the City of Kelowna indicated the City was concerned about the control of wastes from boats, and that the City would support any positive action taken by the Okanagan Basin Water Board.

A letter from Mr. Bruce Howard, M.P. Okanagan Boundary, stated that he was very much in agreement that the increased boat traffic on the lakes should require facilities for handling wastes and he would be happy to support any campaign in this direction. He would contact the Minister of Transport on the matter.

The Technical Committee to the Okanagan Basin Water Board had reviewed the problems of waste disposal from water-craft. A system of licence fees for boats was suggested; however, it was expected that administrative procedures would be difficult to initiate.

Several sani-stations were in operation on Shuswap Lake. These were operated by Marinas on the lake at a cost of approximately \$4,000 to install.

The Technical Committee recommended that marinas and yacht clubs throughout the Basin be approached asking them to provide holding tanks for the discharge of domestic wastes from boats. Correspondence should continue with the Department of Transport with the view of establishing additional facilities at government wharves.

Technically, the best way to handle boat wastes would be to provide a pump, along with a holding tank on shore. A tank truck would then be used to periodically empty holding tanks and haul wastes to land disposal sites.

The Chairman asked the Board if they wished to follow up the recommendations of the Technical Committee.

Farmer - Bawtree:

That the Okanagan Basin Water Board pursue the recommendations of the Technical Committee concerning provision of sani-stations on local lakes.

CARRIED

Mr. Marshall questioned whether local organizations would take the initiative of providing sani-stations. The Chairman replied this would be a first effort in an attempt to see whether boating groups and yachting industries were prepared to set up waste facilities.

Mr. Farmer stressed that the Board must make this proposal work, rather than just hope that it will work. Mr. Bennett suggested that it was a start in the right direction. Mr. Farmer agreed that this proposal should be pursued and that some reaction to the proposal be presented by April.

Control of
Aquatic
Weeds:

A copy of correspondence from the Regional District of North Okanagan dated December 21, 1971 to the Hon. Ray Williston was read to the Board. The Regional District of North Okanagan had expressed an urgency for the removal of aquatic weed growth before it spread to other areas. Beaches were seriously impaired. The Regional Board felt that awaiting final reports is too late, and that remedial action should be taken without further delay.

A further letter from P.A. Farmer of December 20, 1971 was read. The letter suggested that the matter of weed control be placed before the Technical Committee.

The Secretary-Manager stated that a large volume of technical information had been gathered in the past few months from sources throughout Canada and the United States. A summary report prepared by the Secretary-Manager was reviewed by the Board. The report outlined the characteristics of aquatic weed growth, and related experience that had been gained in other areas of the continent. Methods of control, including mechanical, chemical, biological, and physical methods were described.

Since the growth of aquatic weeds occurred mainly on foreshore lands under provincial jurisdiction, and since initiation of control techniques would be primarily research oriented, it was recommended that the Provincial Government undertake pilot studies for the removal of aquatic weeds.

Among the methods suggested for aquatic weed control, harvesting appeared to be the most favourable. Aerial photographs taken in the Northeast Bay of Okanagan Lake in July of 1970 and 1971 indicate a large increase in the area covered by aquatic weeds in a period of only one year.

Harvesting of weeds would both reduce the amount of nutrient in the system and provide immediate relief to boaters, and swimmer at the same time.

Another report entitled "Appraisal of Nuisance Weed Growth in the North Arm of Okanagan Lake", prepared by Dr. J. Stockner of the Okanagan Basin Study was also presented. The report reviewed the causes and characteristics of weed growth in the Northeast Bay of Okanagan Lake. Biological, chemical and mechanical methods of weed control were reviewed. Mechanical control is a more ecologically suitable means of controlling the problem in the Vernon Arm. Dr. Stockner stated that restoration of the water quality of the Vernon Arm is possible and could be accomplished in a few years if proper remedial actions are initiated immediately. The key to solving the problem lies in the eventual elimination of the Vernon sewage treatment plant effluent from the creek;

weed removal by harvest, preferably by mechanical means; and identification and eventual control of diffuse nutrient sources in the Vernon Arm; e.g. septic tank seepage, agricultural runoff, etc.

A map showing the areas and extent of growth of aquatic weeds in the North Okanagan accompanied Dr. Stockner's report. Maps would shortly be available showing aquatic weeds throughout the entire Okanagan Basin.

The Secretary-Manager informed that the Technical Committee to the Okanagan Basin Water Board had reviewed the available information on aquatic weed growth. Control methods were reviewed. Mechanical harvesting of aquatic weeds could be accomplished with minimal effect on water organisms. Mechanical harvesting appears to be the best known method for immediate relief from aquatic weeds. Information on the side effects of chemicals used in weed control is lacking.

The Technical Committee recommended that a method of mechanical harvesting be initiated immediately to provide relief from massive aquatic weed growth in recreation areas and to prevent spreading. In the meantime studies of bottom sediments should be continued to investigate possibilities for a more permanent solution to the problem. When detailed information on bottom sediments is available, dredging along with diversion of nutrient inputs may provide a more permanent solution. Adequate information is now available to begin a pilot project on weed harvesting. Since water levels on Okanagan Lake are lowest in early May, this would be the best time to clean areas close to shore of dead and decaying weeds.

Mr. Farmer informed the Board that a weed problem has also developed on the east side of Skaha Lake. It should receive attention.

Mr. John Booth, of Esco Ltd., presented a film on aquatic vegetation control by harvesting. Mr. Booth answered questions concerning weed harvesting equipment.

Mr. Bennett asked whether there were any machines operating nearby which could be seen. Mr. Booth said the nearest machine was located in Washington.

Mr. Farmer asked concerning cost of purchase and operation of machinery. The cost of the complete set of harvesting equipment was approximately \$49,000. The harvester alone, which could be adequate would cost \$26,000. Operating costs were \$40 per hour plus travel or \$60 per acre on a contract basis.

Mr. Bennett asked Mr. Alcock whether he had any suggestions concerning the control of aquatic weeds. Mr. Alcock replied that the harvest of aquatic weeds would help to reduce the problem. Harvesting would help to reduce the amount of nutrients in the system. Aquatic weed growth is also present in shallow water in the Kelowna area.

Mr. Bawtree felt the Board now had adequate information to make recommendations.

Mayor Duke suggested that the Board approach the provincial government to initiate a weed control program. Mr. Bawtree suggested that the Provincial Government be approached. Resort owners should also show an interest.

Bennett - Farmer:

That the Okanagan Basin Water Board approach the Provincial Government to rent or hire an aquatic harvester for the control and removal of aquatic weeds in the Okanagan System.

CARRIED

Letters would also be forwarded to M.L.A.'s and the Okanagan Mainline Municipal Association.

Application for Pollution Control Permit

Summerland
Fish
Hatchery:

A letter of December 17, 1971 from the Corporation of Summerland was read. The Summerland Council expressed concern over the discharge of the fish hatchery and cannery wastes into Okanagan Lake. Council has asked the Okanagan Basin Water Board for their support in this matter of pollution.

The Secretary-Manager reviewed the recent application made by the Province of British Columbia, Department of Public Works, for a permit to discharge effluent from the industrial fish hatchery at Summerland. Approximately 1,000,000 gals. of effluent would be discharged from the hatchery daily.

The Technical Committee to the Okanagan Basin Water Board had reviewed the application. Effluent from the hatchery would include fish wastes, feed wastes and possibly fecal coliform. Tests taken by the South Okanagan Health Unit in the fall of 1971 indicated a fairly high fecal coliform count at the outfall pipe to the fish hatchery. However the source of coliform contamination may be outside the hatchery. There is a possibility that fish food may act as a suitable sub-strate upon which fecal coliform could multiply.

The Fish & Wildlife Branch is intending to conform to the Pollution Control Act and to meet its social responsibilities. This application for a Pollution Control Permit was mainly to initiate work on the outfall and hear objections.

The outfall is near the proximity of the intake to the lower Summerland water system. Approximately 20 tons of fish food is used by the hatchery annually. About 10 tons of food and fish wastes is discharged to the lake system annually. The Okanagan Basin Study estimates that 7% of the total nitrogen loading to the Okanagan system from outfalls, originates in the fish hatchery. There is a high possibility that nutrient additions from the outfall would influence water quality in the Summerland supply system.

The Technical Committee to the Okanagan Basin Water Board had recommended that a better alternate method for the disposal of hatchery wastes be researched by the Fish Hatchery and the Pollution Control Branch. The present application to extend the outfall further into the Lake is not a suitable solution to the problem. A more adequate method should be found.

The water supply to the hatchery should be studied further to determine the source of fecal coliform.

Alderman Blagborne mentioned that the Summerland Council had reviewed the application with the South Okanagan Health Unit, and representatives from the Fish & Wildlife Branch.

Bennett - Marshall:

That the Okanagan Basin Water Board object strongly to the application for a Pollution Control Permit made by the Department of Public Works for effluent discharge from the Summerland fish hatchery and further that the outfall be removed from the lake completely.

CARRIED

E.R. Collins
Brief to the
Okanagan
Basin Water
Board:

Mr. E.R. Collins a private citizen from Kelowna presented a comprehensive brief to the Okanagan Basin Water Board. The brief dealt with development in the area, sewage treatment, water quantity, water quality, socio-economic aspects, agricultural land, residential potential, population growth, land use and planning.

The Chairman thanked Mr. Collins for the brief and suggested a copy be sent to the Director of his Electoral Area. Mr. Bennett mentioned that the brief dealt mainly with the Regional District of Central Okanagan and should be pursued further by the Regional District of Central Okanagan.

Mayor Roth commended Mr. Collins for his efforts in preparing the brief and presenting it. He agreed with Mr. Collins comments.

Farmer - Bennett:

That the brief be received, filed and passed to the Regional District of Central Okanagan.

CARRIED

Other Business:

Urban
Representation
on Water
Board:

Mayor Duke noted that during the November 1971 meeting of the Water Board, the Board had been approached by observers of the Cities in the Okanagan asking for direct representation on the Board by the three main centers. The Chairman stated this would be dealt with at the Regional level.

Mr. Bennett mentioned that the matter had been tabled in the Regional District of Central Okanagan until April when it would be re-opened again.

Mayor Laird said this was a major concern to the urban areas. The larger and smaller municipalities, he felt were not exactly being represented. In view of the costs to the Region it could be a touchy point.

The Chairman said that the matter had been discussed with the Regional District of North Okanagan. Granting special representation, in Regional functions, from larger cities would contravene the intent of the Regional District concept.

Mayor Fleming stated that although he was not asking for special representation from larger cities, he did say that there was increasing environmental involvement by the cities. Cities have water rights, and are involved with sewage systems, recreation, and various other services. They also have large technical staffs which could be involved. In view of the large investments at stake, Mayor Fleming supported the other Mayors in their proposals for greater urban representation. He suggested that the urban areas would like to exercise both a voice and a vote. They have appreciated the courtesy involvement so far.

Mayor Roth concurred with the comments of Mayor Fleming and Mayor Laird. He felt the major urban centers represented more than half of the people in the Basin. When recommendations from the Okanagan Study are complete, a vehicle to implement the study will be required. The Water Board is a natural vehicle for implementation. He felt the cities have a large stake in this matter and therefore, should have adequate representation.

Mr. Wachnicki of the Winfield-Oyama-Okanagan Centre - Chamber of Commerce said the Chamber of Commerce would also like to have observers on the Okanagan Basin Water Board.

The Chairman mentioned that various groups and citizens are invited to attend meetings. Meetings of the Water Board have always been open to the public.

Mr. Bennett said the three Mayors of the larger centers have aired their views and it was up to the Regional Districts to reply now. The Letters Patent of the three Regional Districts could not be changed to include special city representation, but they could be changed to increase the number of representatives from each Regional District. It would then be up to each Regional District to appoint an urban representative, if desirable. The Chairman suggested this point would have to be brought up again with each Regional District. Mr. Bennett said the Regional District of Central Okanagan would bring this up at the next Regional District meeting.

Woods Lake
Report:

The Secretary-Manager mentioned that there had been several inquiries again from citizens and local groups concerning the present status of the Woods Lake water quality problem. He mentioned the Okanagan Basin Study Committee would shortly be reporting on scientific findings relative to the Woods-Kalamalka Lake problem. He suggested that the Provincial Government also be approached to determine the present position of the Water Resources Service on the problem and the status of the current provincial study on Woods Lake.

Mayor Fleming asked if there was any sign of a forthcoming Provincial statement on the Woods-Kalamalka Lake water quality problem. The Secretary-Manager replied that so far there has been no indication of a statement. It would be desirable to ask for a statement.

Bennett - Farmer:

That the Okanagan Basin Water Board use their influence to obtain an interim statement from the Provincial Government concerning the present status of the Kalamalka-Woods Lake water quality investigations.

CARRIED

Next
Meeting:

Mr. Bawtree mentioned that the next meeting of the Okanagan Basin Water Board had tentatively been set for 10:00 a.m. March 2. The Water Board will meet with the Study Committee in the afternoon to consider the role of the Okanagan Basin Water Board in the Study.

Adjournment:

Mr. Bennett moved that the meeting be adjourned. The meeting adjourned at 4:45 p.m.

Secretary-Manager

Chairman

OKANAGAN BASIN WATER BOARD

AGENDA

Thursday February 3, 1972, 2:00 p.m.

1. Minutes from meeting of December 2, 1971.

2. Accounts.

3. Chairman's Report 1971.
Secretary-Manager's Report 1971.

4. Appointment of Directors.

- Letter Regional District of North Okanagan
- Letter Regional District of Central Okanagan

5. Election of Officers.

- Chairman
- Vice-Chairman

6. Signing authority.

7. Correspondence.

(a) Appointment of observers:

- City of Vernon
- District of Peachland
- City of Kelowna
- Village of Oliver

8. Lakeside sani-stations for boat wastes.

- (a) Letter, City of Penticton
- (b) Letter, District of Peachland
- (c) Letter, City of Kelowna
- (d) Letter, Bruce Howard, M.P. Okanagan Boundary
- (e) Recommendations Technical Committee

9. Control of Aquatic Weeds.

- (a) Letter, Regional District of North Okanagan
- (b) Letter, Mr. P.A. Farmer
- (c) Weed Control Report - W. Parchomchuk
- (d) Okanagan Basin Study Report by Dr. Stockner
- (e) Recommendations Technical Committee
- (f) Film

New Business

10. Application for Pollution Control Permit - Summerland Fish Hatchery.

- (a) Letter, Corporation of Summerland
- (b) Recommendations Technical Committee

11. E.R. Collins - Brief.

Other Business

- Woods Sub. Report

- Sub. Levels

- Check Ex. Mayors Wm. Kibria & C. Stewart & Mr. Lumsden

- Mar. 2 meeting with ...



OKANAGAN BASIN WATER BOARD

OFFICE OF
THE SECRETARY-MANAGER
540 GROVES AVENUE
KELOWNA, BRITISH COLUMBIA
TELEPHONE (604) 763-4918

January 13, 1972

NOTICE

A regular meeting of the Okanagan Basin
Water Board will be held on Thursday, February
3rd. 1972 at 2:00 p.m. in the offices of the
Regional District of Central Okanagan, 540 Groves
Avenue, Kelowna, B.C.

W. Parchomchuk
Secretary-Manager

WP/pp



OKANAGAN BASIN WATER BOARD

OFFICE OF
THE SECRETARY-MANAGER
540 GROVES AVENUE
KELOWNA, BRITISH COLUMBIA
TELEPHONE (604) 763-4918

January 13, 1972

NOTICE

A regular meeting of the Okanagan Basin Water Board will be held on Thursday, February 3rd. 1972 at 2:00 p.m. in the offices of the Regional District of Central Okanagan, 540 Groves Avenue, Kelowna, B.C.

Following the regular meeting arrangements have been made for a joint meeting with the Okanagan Basin Study Committee at 6:00 p.m. in the Capri Hotel, Kelowna. Dinner will be served. Following dinner the progress of the Okanagan Basin Study will be reviewed by the Study Committee. The role of the Water Board in the Study will be discussed. This will be a good opportunity to air questions.

W. Parchomchuk
Secretary-Manager

WP/pp

January 18, 1972

Mr. F.D. Stuart
5431 Lakeside Road
R.R. #2
Penticton, B.C.

Dear Mr. Stuart:

The Okanagan Basin Water Board wishes to express their sincere gratitude for the leadership and time you have devoted to the entire Okanagan community during your years of public service.

We are indebted to you especially for the role you have played in focusing attention on Okanagan Water Resource Management. The realization of the Okanagan Basin Water Board is largely a result of your efforts. We already, through this Board, sense a greater degree of cohesiveness between communities throughout the Valley in their approach to water environment problems.

We regret that you are no longer formally involved in civic government; nevertheless, we still wish to remain in touch with you, and hope you will continue your interest in water management and the Okanagan Basin Water Board.

Yours truly,

W.C. Bennett
Chairman

WP/WCB/pp

January 18, 1972

Mr. W. Halina
1211 39 Avenue
Vernon, B.C.

Dear Mr. Halina:

The Okanagan Basin Water Board wishes to express their appreciation for the interest you have shown and time you have devoted to the affairs of the entire Okanagan Community during your years of public service.

The Board is particularly grateful for the enthusiasm you have shown in supporting the public concern for preservation of the quality of the Okanagan Water environment. The Board appreciates the comments and advice you have offered from time to time during our meetings.

We regret that you are no longer involved with civic government in an official capacity; nevertheless, we still wish to remain in touch with you, and hope you will continue your interest in water management and the Okanagan Basin Water Board.

Yours truly,

W.C. Bennett
Chairman

WP/WCB/pp

January 18, 1972

Mr. B.J. Sworder
Okanagan Landing
R.R.#4
Vernon, B.C.

Dear Mr. Sworder:

The Okanagan Basin Water Board wishes to express their sincere gratitude for the leadership and time you have devoted to the entire Okanagan Community during your years of public service.

Your participation and support in the function of the Water Board is greatly appreciated. We feel this has contributed to an increased unity of communities throughout the Valley.

We regret that you are no longer formally involved in local government; nevertheless, we still wish to remain in touch with you, and hope you will continue your interest in water management and the Okanagan Basin Water Board.

Yours truly,

W.C. Bennett
Chairman

WP/WCB/pp

OKANAGAN BASIN WATER BOARD

AGENDA

Thursday, March 2, 1972, 10:00 a.m.

1. Minutes from meeting of February 3, 1972.
2. Accounts.
3. Financial Statements - Year ended December 31, 1971.
4. B.E. Marr, Chief Engineer Water Investigations Branch, - Review Kalamalka - Woods Lake studies.
5. Correspondence.
 - City of Penticton - Observer*
 - a) Thompson-Nicola Regional District - G.J. Bowers, observer
 - b) Regional District of Columbia-Shuswap - J.E. Kerr, observer
 - c) Summerland - K. Blagborne, observer
 - d) Aquatic Weed Control.
 - ✓-Regional District of North Okanagan
 - ✓-F. Richter, Minister of Mines and Petroleum Resources
 - ✓-R. Williston, Minister of Lands Forests & Water Resources
 - Winfield-Oyama-Okanagan Centre Chamber of Commerce
 - e) Regional District of Central Okanagan - Removal of outfalls in the Okanagan system. (SLIDES)
6. Pollution Control Permits.
 - a) Letter - V. Raudsepp, Chairman Pollution Control Board, - re: Fish Hatchery application for Pollution Control Permit.
 - b) Letter - W.N. Venables, Director Pollution Control Branch, re: Sun-Rype Products Ltd., Calona Wines Ltd., and Calona Distillers Ltd., application for Pollution Control Permit.
 - c) Applications for Pollution Control Permits.
 - Westbank Irrigation District
 - All Star Holdings Ltd.,
 - A. Luknowsky
7. Snow Survey Bulletin, February 1, 1972.
 - ~~c) Applications for Pollution Control Permits~~
 - Westbank Irrigation District
 - All Star Holdings Ltd.,
 - A. Luknowsky
7. Snow Survey Bulletin, February 1, 1972.

Other Business



OKANAGAN BASIN WATER BOARD

OFFICE OF
THE SECRETARY-MANAGER
540 GROVES AVENUE
KELOWNA, BRITISH COLUMBIA
TELEPHONE (604) 763-4918

February 21, 1972

NOTICE

A regular meeting of the Okanagan Basin
Water Board will be held on Thursday, March 2, 1972
at 10:00 a.m. in the Offices of the Regional District
of Central Okanagan, 540 Groves Avenue, Kelowna.

W. Parchomchuk
Secretary-Manager

WP/pp



OKANAGAN BASIN WATER BOARD

OFFICE OF
THE SECRETARY-MANAGER
540 GROVES AVENUE
KELOWNA, BRITISH COLUMBIA
TELEPHONE (604) 763-4918

February 17, 1972

TO: Mr. L. Bawtree
Mr. P.A. Farmer
Mr. M. Marshall
Mayor P. Duke

Mrs. G.V. Lawrence
Mr. W.C. Bennett
Mr. D.A. Pritchard

A regular meeting of the Okanagan Basin Water Board will be held on Thursday, March 2, 1972 at 10:00 a.m. in the Offices of the Regional District of Central Okanagan. The enclosed copy of a Resolution from the Regional District of Central Okanagan will be discussed in addition to regular business.

A meeting of considerable importance will be held with the Okanagan Study Committee at 2:00 p.m. on the same day (March 2). A copy of a letter from the Study Committee indicating items to be discussed during the meeting is enclosed for your review prior to the meeting. It would be desirable to hold a meeting of the Committee of the Whole of the Okanagan Basin Water Board to form a consensus of opinion. This could possibly be done on March 2nd. prior to our meeting with the Study Committee.

A copy of the objects and purpose of the Water Board as stated in the Letters Patent is also enclosed for review.

Yours truly,

(for) L. Bawtree
Chairman

WP/LB/pp

enc.

MINUTES OF A MEETING OF THE OKANAGAN BASIN WATER BOARD,
MARCH 2, 1972, 2:00 p.m. OFFICES OF THE REGIONAL DISTRICT
OF CENTRAL OKANAGAN, KELOWNA, B.C.

Present:	L. Bawtree (Chairman)	R.D.N.O.
	P. Duke	R.D.N.O.
	W.C. Bennett	R.D.C.O.
	M. Marshall	R.D.C.O.
	P.A. Farmer	R.D.O.S.
	J. Shaw (Alternate)	R.D.O.S.

Also in Attendance:

Mayor H. Roth	City of Kelowna
B.E. Marr	Chief Engineer, Water Investigations Branch.
Dr. R. Buchanan	Biologist, Water Invest- igations Branch.
L.A. Bergman	Senior Hydraulic Engineer, Water Investigations Branch .
Mayor S. Fleming	City of Vernon.
E. Walton	Engineering Department, City of Vernon.
K. Blagborne	Observer, Corporation of Summerland.
E. Anthony	District Engineer, Water Rights Branch.
Bert Hume	Chairman, Association of B.C. Irrigation Districts.
C. Thomas	Okanagan Basin Study.
Art Pitt	Winfield, Okanagan Centre Chamber of Commerce.
H. Wachnicki	Winfield, Oyama, Okanagan Centre, Chamber of Commerce.
H. Thomson	Planning Director, R.D.O.S.
J. Hamilton	Engineer, City of Penticton.
G.J. Bowers	T.N.R.D.
A. Von Gadenstedt	Vernon, B.C.
H. Stoll	Alderman, Corporation of Summerland
W. Kane	Alderman, City of Kelowna

Press and Radio:

Vernon News, Kelowna Courier, CKIQ Radio, CKOV Radio.

Mr. Farmer informed that Mayor Shaw would be the alternate
Director from the Regional District of Okanagan-Similkameen.

MINUTES: Bennett-Duke:

That the minutes of the meeting of February 3rd, 1972
be adopted as circulated.

CARRIED

ACCOUNTS: Accounts outstanding to March 2nd, 1972, totaling \$1,139.52
were presented for payment.

Bennett-Farmer

That the accounts totaling \$1,139.52 be paid.

CARRIED

Financial
Statements:

The Secretary-Manager reviewed audited financial statements for the Water Board for the year ended December 31, 1971. Statements included a General Capital and Loan Fund, Balance Sheet and Statement of Revenue and Expenditures.

Bennett-Marshall:

That the Financial Statements of the Okanagan Basin Water Board for the year ended December 31st. 1971 be accepted as presented.

CARRIED

Kalamalka-
Woods Lake
Reports:

The Chairman introduced Mr. B. Marr, Chief Engineer, Water Investigations Branch.

Mr. Marr related the concern that was expressed during the past summer over water quality in the Kalamalka-Woods Lake sub-basin. Preliminary studies indicate that a study of a more intensive nature would be required to help manage water quality and quantity in this Basin. The Water Investigations Branch was authorized to carry out a more intensive water management study of the Kalamalka-Woods Lake sub-basin. The study would last approximately two years, and would include the following studies:

Hydrogeology studies
Socio-Economic studies
Water quality studies
Water use studies, and
Engineering studies

Mr. Marr distributed several copies of a report outlining the framework of the study. The studies would cover more detail than covered under the Okanagan Basin Agreement. Information would be exchanged between the Provincial Study and the joint Federal-Provincial Study.

Mr. Bennett asked when investigations would start.

Mr. Marr replied that installation of some 50 wells to measure groundwater return flow would be started next week. The report would be completed by December 1973. Approximately ten stream gauges have already been established.

Mr. Bennett asked whether the Hiram Walker report outlining an alternate route for discharge of cooling water had been presented to the Provincial Government.

Mr. Marr replied that this report had been requested by the Director of Pollution Control and had been presented by Hiram Walker. The report will be available to the Study Group.

The Chairman asked how much the Study would cost.

Mr. Marr replied that costs were not certain, but could be several hundred thousand dollars.

The Secretary-Manager mentioned that public concern during the past summer was mainly with water quality in the Kalamalka-Woods Lake basin. Would study emphasis be placed on water quality?

Mr. Marr replied that groundwater sampling would be concerned mainly with groundwater quality and nutrient inputs through groundwater.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD. MARCH 2, 1972 3.

Kalamalka-
Woods Lake
Report
(Cont'd):

Lake and stream water quality stations would be established as well; dyes will be used to trace nutrients and water movement.

Mr. Kane mentioned that water quality problems on Brant's Creek and in Woods Lake were found to be outside the terms of reference of the Okanagan Basin Study, he expressed concern that local problems could not be included.

Mr. Marr replied that the Okanagan Basin Study was a broad framework plan as opposed to direct water management. A general framework plan could not cover specific problems. There were dollar limitations as well.

Mr. Walton asked if the report would give some indication of how to manage the lakes and would it look back to see what the flow of the Hiram Walker Distillery has contributed.

Mr. Marr replied that the study would look back at the total problem. One part of the input would have to be the changes brought about by the Hiram Walker Distillery. Although the Distillery did not contribute to the problem in 1971, this did not eliminate the possibility of problems in the future. Mr. Marr said he was looking for further suggestions that would aid the study. He hoped there would be further meetings with the Water Board and other interested organizations.

Correspondence:

The following letters were read:

City of
Penticton
Observer:

1. Letter from the City of Penticton stating that Mayor F.W. Laird would act as an interim observer to the Okanagan Basin Water Board, pending the decision as to the request for full representation to the Board for Penticton.

Thompson-Nicola
Regional Dis-
trict Observer:

2. Letter from the Thompson-Nicola Regional District appointing Director G.J. Bowers as observer to the Okanagan Basin Water Board.

Regional
District
Columbia-
Shuswap
Observer:

3. Letter from the Regional District of Columbia-Shuswap appointing Director J.E. Kerr as observer to the Okanagan Basin Water Board.

Summerland
Observer:

4. Letter from the Corporation of the District of Summerland appointing Alderman Ken Blagborne as observer to the Okanagan Basin Water Board on behalf of the Summerland Municipal Council.

Farmer-Duke:

That the above correspondence be received and filed.

CARRIED

Aquatic Weed Control: The following letters concerning control of aquatic weeds in the Okanagan area were read:

- Regional District of North Okanagan: 5. Letter from the Regional District of North Okanagan advising that the Regional District unanimously endorses the action of the Okanagan Basin Water Board with respect to harvesting weeds in the Okanagan Lake.
- F. Richter: 6. Letter from Mr. Frank Richter, Minister of Mines and Petroleum Resources, in reply to a Water Board letter of February 9th. Mr. Richter stated that aquatic weed growth was also prevalent in Skaha and other lakes in the Okanagan chain, and was causing considerable concern. He will discuss this problem with Mr. Williston in the hope that necessary measures could be undertaken to attempt to curtail this type of weed growth.
- Honourable R.G. Williston: 7. Letter from the Honourable R.G. Williston, Minister of Lands, Forests and Water Resources, in reply to a Water Board letter of February 9th. Mr. Williston stated that his Department does not accept responsibility for weed control on lakes, and there is nothing of a legislative nature requiring the Province to become financially involved in such matters. Mr. Williston stated he would be in a better position to review the aquatic weed growth problem when studies presently being done were completed within two months.
- Winfield-Oyama Okanagan Centre Chamber of Commerce: 8. Letter from the Winfield Oyama Okanagan Centre Chamber of Commerce, stating the Chamber of Commerce recognizing the urgent need for the development of an aquatic weed harvester had undertaken steps to develop and build locally such a machine in consultation with local engineers. It was estimated that an aquatic weed harvesting machine could be developed locally for a price of approximately \$31,000.00.

In referring to Mr. Williston's letter Mr. Farmer mentioned that a machine designed to avoid spillage of weeds would be necessary so that it could be used on all lakes.

Mr. Marr said that the operation and timing of weed harvesting was important. A distinction should be made between dredging and harvesting. Dredging operations would raise more questions as to feasibility than harvesting.

Mayor Fleming said that Mr. Williston's letter implied the Provincial Government was not responsible for aquatic weed control. He pointed out that the Province derives tax revenues from lakeshore properties. The Province has both responsibility and authority. It must accept this responsibility in this regard, at least temporarily. The City of Vernon is ready to cooperate. Unless weeds are removed from the foreshore in the north arm of Okanagan Lake the beach would have to be closed. Mr. Fleming objected to the statement by Mr. Williston that the Province had no responsibility for the control of aquatic weeds.

Aquatic Weed
Control:
(Cont'd)

Mr. Marr said that the Province was looking into the overall weed problem. It is not only a local, but a Province-wide problem. An engineering firm has been retained to assist in assessing aquatic weed problems. Mr. Marr pointed out that the City of Victoria is doing some of its own weed harvesting. He mentioned that a harvesting program is aimed at the effect rather than the cause of weed growth.

Mayor Fleming said he agreed with what the long-range solution to the problem would be; however, he was concerned for the immediate removal of weeds using approved methods. If weed growth is not removed shortly this would destroy property values and create a loss of taxation revenue for the Province. The North arm of Okanagan Lake would be almost entirely lost. He suggested that if the Province has no responsibility in this matter, why are the Municipalities required to approach the Province for water licences, foreshore permits, and pollution control permits. Something should be done to control aquatic weeds now, while waiting for the long-range solution.

Mr. Marr pointed out that Mr. Williston's letter nearly stated that there was nothing of a legislative nature requiring the Province to become involved. This does not necessarily mean there would not be involvement. Also the Province was waiting for results of on-going studies.

Mr. Farmer said he agreed with Mr. Fleming's statement and would reject the statement made by Mr. Williston concerning Provincial responsibility. Mr. Farmer wished to see the weed problem throughout the whole lake chain including Skaha, Tugulnuit and Allison Lakes controlled. He agreed that something should be done this year. Mr. Farmer suggested that the Board reject the implications by the Honourable Minister's letter.

Mr. Bennett suggested that the Board take a co-operative approach with the Minister rather than debating. He suggested that the Chairman and Secretary-Manager visit the Minister to see what could be done to control aquatic weeds this year.

Mr. Marshall suggested that the Minister be invited to attend a meeting of the Water Board.

Mr. Farmer suggested that the Minister be contacted as soon as possible.

Bennett-Marshall:

That the Minister of Lands, Forests and Water Resources be contacted as soon as possible to arrange for a meeting with the Board in the Okanagan, or in Victoria with the Chairman and Secretary-Manager.

CARRIED

Mr. Marr extended an invitation for the press to be present at a public meeting in the Oyama Firehall this evening, to discuss the report which was presented concerning the Kalamalka-Woods Lake water quality problem.

Removal of
Effluent
Outfalls from
the Okanagan
Lake
System:

A letter from the Regional District of Central Okanagan was read. The following resolution was adopted by that Regional District:

"The Regional District of Central Okanagan hereby requests the Okanagan Basin Water Board to be the vehicle to study the feasibility, and to develop methods for the effective removal of all outfalls in the Okanagan Lake system, and to develop methods of financing same."

Mr. Bennett distributed copies of the statement which he had presented to the Regional District of Central Okanagan, urging the removal of outfalls from the Okanagan Lake System. He suggested the Water Board would be the best vehicle to undertake studies and initiate action for the removal of outfalls. Mr. Bennett made a motion that the Water Board support the letter from the Regional District of Central Okanagan.

Mr. Farmer agreed with Mr. Bennett's remarks and suggested that this would have to take a period of years for implementation. He suggested some discharges are more acceptable than others, he indicated that the City of Penticton now has tertiary treatment which makes its effluent almost acceptable.

Mr. Bennett stated that outfalls with water of the same quality as removed from the system should not require further improvement. This proposal should work into the Okanagan Basin Study when it is completed. Financial assistance would be required from the senior levels of Government.

Mayor Roth thought the resolution was premature and felt the Board should wait for results from the Okanagan Basin Study. The City of Kelowna is presently experimenting with tertiary treatment and the City of Vernon is investigating possibilities of spray irrigation, using sewage effluent.

Mr. Bennett suggested it was best to start the organizational groundwork for removal of outfalls now. When the study is complete, information would be available and action could be taken almost immediately.

The Chairman mentioned that larger cities in the valley are accepting their responsibility for waste removal and are working towards this end. The smaller areas, he said, should also be setting aside land for spray irrigation projects.

Mr. Bennett suggested that the Board, at present, should place most of the emphasis on financing aspects of outfall removal, rather than on the technical feasibility which is being covered by the Okanagan Basin Study. The cities alone could not afford the large bill for waste removal, society as a whole has allowed outfalls in the past, therefore, society must be expected to assist in removing these wastes from water systems. The Federal Government should be contacted for financial assistance.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER
BOARD, MARCH 2, 1972

7.

Removal of
Effluent Outfalls
from Okanagan
Lake System:
(Cont'd)

Mr. Farmer mentioned that much of this required information would come out of the Okanagan Basin Study report. Mr. Bennett replied that the Water Board should work in conjunction with the Study Group.

Mr. Marr said that the Okanagan Basin Study will be looking into financial and other institutions which would be most closely suited for implementation of the Study. Until results of the spray irrigation in Vernon are known, an assessment cannot be made as to whether this is a usable technique for the entire Valley. To maintain present levels of water quality in the lake system, various types of treatment may be required in different areas. Mr. Bennett suggested that the motion from the Regional District of Central Okanagan be accepted, however, with the emphasis on methods of financing rather than physical studies for removal.

Bennett-Marshall:

That the Okanagan Basin Water Board support the motion of the Regional District of Central Okanagan, requesting that the Okanagan Basin Water Board be the vehicle to study the feasibility and to develop methods for removal of outfalls in the Okanagan Lake system, and to develop methods of financing the same; and that emphasis be placed on the financing aspects.

CARRIED

V. Raudsepp
Re: Fish
Hatchery:

Applications for Pollution Control Permits:

A letter was received from Mr. V. Raudsepp, Chairman, of the Pollution Control Board, acknowledging the Okanagan Basin Water Board letter of February 9th, objecting to an application by the British Columbia Department of Public Works, for a permit to discharge effluent from a Fish Hatchery at Summerland into Okanagan Lake.

Farmer - Bennett:

That the above letter be received and filed.

CARRIED

W.N. Venables
Re: Calona
Wines, Sun-
Rype, Kelowna
Distillers:

A letter from W.N. Venables, Director of the Pollution Control was read. The letter stated that an application for Pollution Control Permit by Sun-Rype Products Ltd, Calona Wines, and Kelowna Distillers Ltd, dated April 12th, 1971, had been reviewed; and that Pollution Control Permit No. PE 1434 has been issued. The Permit has been granted in view of the work being provided, such as extended aeration, clarification of the treated effluent and removal of nutrients, equivalent to or better than tertiary treatment. Furthermore, comprehensive sampling and testing programmes for the trade wastes and treated effluent have been established.

The Secretary-Manager informed that the application in the above name did not include removal of nutrients to a tertiary level, and suggested that an inquiry be made as to whether this was included in the Pollution Control Permit.

Farmer-Bennett:

That a letter be sent to the Pollution Control Branch asking whether or not removal of nutrients equivalent to tertiary treatment has been written into the Pollution Control Permit.

CARRIED

Westbank
Irrigation
District:

The Secretary-Manager reviewed an application for Pollution Control Permit by the Westbank Irrigation District to discharge effluent from a pollution control centre at Westbank into a ground disposal site. The average 24-hour discharge would be 100,000 gals. The Secretary-Manager mentioned that on consultation with the design engineer, he learned that most of the effluent would be used for spray irrigation. There was some provision for storage over winter months. Some of the effluent would also be used for ground exfiltration. He mentioned that the Board had made recommendations toward an earlier application by Westbank Irrigation District to have the effluent used for spray irrigation.

The Water Board commended the Westbank Irrigation District in their effort to have the sewage removed from the lake and placed on the land.

All Star
Holdings Ltd.
and
A. Luknowsky:

An application by All Star Holdings Ltd., to discharge effluent from a commercial and residential development in Rutland, B.C. into ground disposal fields was presented to the Board. The average 24-hour discharge would be 33,000 gals. Treatment to be applied to the waste before discharge would be extended aeration secondary treatment, followed by ground disposal. A similar application by A. Luknowsky to discharge effluent from the proposed Belgo Arms Motor Hotel located at Rutland into the ground was also reviewed at the same time. The average 24-hour discharge from the hotel would be 40,500 gals. The type of treatment to be applied before discharge would be primary settling in a septic tank.

The Secretary-Manager mentioned when similar applications had been made by Okanagan Builders Land Development, the Technical Committee to the Water Board had recommended that ground water investigations be made in the surrounding area to determine the rate and extent of movement of pollution indicators. He suggested that a similar report also be required for the above two mentioned applications in the Rutland area.

The Secretary-Manager cautioned that an evaluation should be made by the Pollution Control Branch of the increasing discharges of effluent into ground water in the Rutland area. Nitrate levels in some test wells in the area were now approaching the limit set under the Canadian Drinking Water Standards. Although disposal of effluent wastes into the ground is currently the best alternative; this should only be used as an interim measure until more comprehensive sewage schemes are designed.

Mr. Bennett mentioned that the Pollution Control Branch will likely require a geologist's report on all large volume discharges to the ground. He agreed that the Water Board should request that such a report be required on these applications.

Bennett-Marshall:

That a geologist's report be required to accompany the application for a pollution control permit by All Star Holdings Ltd.,

CARRIED

Mr. Bawtree informed the press that they were invited to a press conference with the Okanagan Basin Study Committee at 5:00 p.m.

The meeting adjourned at 12:10 p.m.

MINUTES OF A MEETING OF THE COMMITTEE OF THE WHOLE
OF THE OKANAGAN BASIN WATER BOARD, MARCH 2, 1972
1:30 p.m. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL
OKANAGAN.

Present:	L. Bawtree	R.D.N.O.
	M. Marshall	R.D.C.O.
	P. Duke	R.D.N.O.
	W.C. Bennett	R.D.C.O.
	J. Shaw	R.D.O.S.
	P.A. Farmer	R.D.O.S.
	W. Parchomchuk	Secretary-Manager

The Secretary-Manager informed the Board that the Regional District of Central Okanagan had agreed to manage the accounts for the Okanagan Basin Water Board at a charge of \$150.00 per year.

Accounting
System:

The accounts of the Okanagan Basin Water Board would be incorporated into the Regional District books and managed in the same manner as any other function. Separate financial statements will still be made available to the Water Board on a quarterly basis. In order to incorporate the Okanagan Basin Water Board accounts into the books of the Regional District of Central Okanagan, the 1972 Provisional Budget of the Board was revised under different headings to comply with the accounting system of the Regional District. This was reviewed with the Board.

Farmer - Duke:

That accounting for the Okanagan Basin Water Board be carried out by the Regional District of Central Okanagan for a sum of \$150.00 annually. A letter should be forwarded in this regard.

CARRIED

Additional
Representation
on the Water
Board:

A letter from the Regional District of Central Okanagan was read advising that the Regional Board had passed a resolution to request the Minister of Municipal Affairs to amend the Letters Patent of the Regional District of Central Okanagan to increase the membership on the Okanagan Basin Water Board to three members.

A letter from the Regional District of Okanagan-Similkameen stated the matter of requesting Supplementary Letters Patent, to increase membership on the Okanagan Basin Water Board to three, has been tabled until that District's regular meeting of March 30, 1972.

A letter from the Regional District of North Okanagan advised that the Regional Board had passed a resolution to make application to have Letters Patent amended to increase membership on the Okanagan Basin Water Board to three members. The resolution also included the provision that the application is to be made in conjunction with the other two Regional Districts represented on the Water Board.

Mr. Farmer felt the consensus in the Regional District of Okanagan-Similkameen was that bigness would not necessarily mean extra efficiency. There were seven Municipalities in the Regional District of Okanagan-Similkameen.

MINUTES OF THE MEETING OF THE COMMITTEE OF THE WHOLE
OF THE OKANAGAN BASIN WATER BOARD , MARCH 2, 1972

2.

If one is entitled to a special membership, then others would also request the same. Mr. Farmer suggested that if a third man is appointed, from each Regional District to represent a Municipality he would have to represent all the Municipalities in the Region.

Mr. Marshall stated that no one mayor could represent his particular area on the Board, any representative on the Water Board must represent the entire Regional District. Mr. Bawtree agreed that special priveledges could not be given to any one area. The North Okanagan has agreed to increase its membership on the Board to three. This does not necessarily mean the third member would be appointed from a municipality. Future activities of the Water Board may require that there be three members.

Mr. Farmer mentioned it would have to be made clear to the Regional District of Okanagan-Similkameen at the next meeting, that although there may be a third representative on the Water Board the Letters Patent will not necessarily state that this third representative will be from any one particular city.

Mr. Bawtree mentioned that if the size of the Water Board is increased to nine the amount of public input would have to be limited.

Mayor Shaw suggested that the public should not be restrained from speaking. The public meeting held in Osoyoos was very useful. Much conversation has been initiated. He felt there should be some follow-up to this type of meeting. Mr. Bawtree suggested that the matter of a third representative from each Regional District be tabled until after the next meeting of the Regional District of Okanagan-Similkameen.

The Secretary-Manager mentioned that he had been to a workshop seminar, sponsored by the Okanagan Basin Study in Vancouver, February 22 - 24. He mentioned that much valuable technical information has been exchanged. Summary reports were available if the Board wished to review these. Mr. Bennett suggested that each Planner from each Regional District should have copies of these summary reports. The Secretary- Manager would distribute these.

Mr. Bawtree mentioned that the Water Board would be meeting this afternoon with the Study Committee to discuss the role and objectives of the Water Board, and to improve communication with the Okanagan Basin Study.

Mr. Bennett felt that it was not possible for the Water Board to comment upon its role and objectives until they had heard the views of the Okanagan Basin Study.

Mr. Bawtree mentioned that any recommendations or suggestions made by the Water Board should represent the consensus of the entire Water Board, a unified approach should be taken in the meeting this afternoon.

Farmer-Bennett:

That the meeting adjourn

CARRIED

The meeting adjourned at 2:30 p.m.

Secretary-Manager

Chairman

OKANAGAN BASIN WATER BOARD

AGENDA

Thursday April 6, 1972, 2:00 p.m.

1. Minutes from meeting of March 2, 1972
2. CORRESPONDENCE:
 - (a) Regional District of North Okanagan - Appointment of alternate.
 - (b) " " "OKAN-SIMILTY" - APPOINTMENT OF ALTERNAT
3. Amendment of Letters Patent to increase membership on the Okanagan Basin Water Board.
4. Summaries Public Meetings (Report Distribution) - Release to press?
- Resident survey results can be compared. May 4
5. Aquatic Weed Control
6. Applications for Pollution Control Permits:
 - (a) R.O. Hall - Laundramat - Okanagan Falls
 - (b) Coldstream Meat Packers Ltd. - Vernon, B.C.
 - (c) MacDonalds Consolidated Ltd. - Summerland, B.C.
 - (d) Hiram Walker and Sons Limited

- Letter: City of Kelowna re: Applications for Pollution Control Permits.
7. Regulation of Feed Pens within Creek Beds.
8. Snowpack and Lake Levels.
- Lake level APR 5/72 1120.13
APR 6/72 1120.09 = 4" above min.
- clean up beaches.
9. Other Business:
 - Draft of working arrangements Water Board and study Committee
 - Ammended pages Hal-Wood Lake Report
 - Ammended pages Hal-Wood Lake Report
 - A Kirby to be in field next week
 - Wenatchee Conference



OFFICE OF
THE SECRETARY-MANAGER
540 GROVES AVENUE
KELOWNA, BRITISH COLUMBIA
TELEPHONE (604) 763-4918

March 27, 1972.

OKANAGAN BASIN WATER BOARD

NOTICE

A regular meeting of the Okanagan Basin Water Board will be held on Thursday April 6, 1972 at 2:00 P.M. in the offices of the Regional District of Central Okanagan, 540 Groves Avenue, Kelowna, British Columbia.

W. Parchomchuk
Secretary-Manager

MINUTES OF A MEETING OF THE OKANAGAN BASIN WATER BOARD
APRIL 6, 1972, 2:00 p.m. OFFICES OF THE REGIONAL DISTRICT
OF CENTRAL OKANAGAN.

Present: L. Bawtree (Chairman)	R.D.N.O.
Mayor S. Fleming	R.D.N.O.
W.C. Bennett	R.D.C.O.
M. Marshall	R.D.C.O.
P.A. Farmer	R.D.O.S.
G.V. Lawrence	R.D.O.S.
Mayor J. Shaw (Alternate)	R.D.O.S.

Also in Attendance:

Mayor Laird	City of Penticton
Mayor Roth	City of Kelowna
Alderman R.W. Sturgess	Oliver B.C.
K. Blagborne	Corporation of Summerland
G.J. Bowers	Thompson-Nicola Regional Dst.
J. Hamilton	Engineer, City of Penticton
B. Harvey	Association of B.C. Irrigation Districts.
Alderman Porteos	Osoyoos, B.C.

Press and Radio:

Vernon News, Kelowna Courier , CKOV Radio, CKOK Radio
CKIQ Radio.

Minutes: Bennett-Farmer:

That the minutes of the meeting of March 2, 1972 be
adopted as circulated.

CARRIED

Correspondence:

The following letters were read:

1. Letter from the Regional District of North Okanagan appointing Stuart Fleming as alternate representative to the Okanagan Basin Water Board.
2. Letter from the Regional District of Okanagan-Similkameen appointing Mr. J.B. Shaw, Village of Osoyoos, as alternate member for the Regional District of Okanagan-Similkameen on the Okanagan Basin Water Board.

Bennett-Lawrence:

That the above correspondence be received and filed.

CARRIED

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD APRIL 6, 1972 . 2.

Additional
Representation
on Okanagan
Basin Water
Board:

Mr. Farmer informed that the Regional District of Okanagan-Similkameen had agreed to apply for an amendment to Letters Patent of that Regional District to increase membership on the Okanagan Basin Water Board from two to three members.

Mr. Bawtree informed that the Regional District of North Okanagan had also agreed to apply for the same amendment when the Regional District of Central Okanagan and the Regional District of Okanagan-Similkameen had agreed to do the same.

Mr. Bennett informed that the Regional District of Central Okanagan had agreed to apply for increased membership, and already had sent application to the Minister of Municipal Affairs.

Mr. Bawtree suggested a letter be forwarded to the Regional District of North Okanagan informing that the other Regional Districts, comprising the Okanagan Basin Water Board, had agreed to apply for increased membership on the Water Board.

Summaries
Public
Meetings:

The Secretary-Manager distributed copies of a summary report which he had prepared on public meetings the Water Board had sponsored throughout the Okanagan during the Spring and Fall of 1971.

He explained the method used in summarizing these meetings. The Board would have an opportunity to discuss the results of public meetings, along with the resident survey of the Okanagan Basin Study, during the next meeting.

Aquatic
Weed
Control:

The Chairman outlined the proceedings of a meeting that he, Mayor Fleming and the Secretary-Manager had held with Mr. Williston, Minister of Lands, Forests and Water Resources.

The Minister had informed that his Department would like to see some caution exercised with initial weed harvesting. He felt initial operations should be on a limited and controlled basis. Harvesting at present should be research oriented until further information is available. The Minister suggested that his Department would be prepared to enter into a cost-sharing agreement for a pilot weed harvesting project this summer; however, this operation should be confined, and studied to determine the effectiveness and cost of operation. The Minister was awaiting a proposal to be submitted by the Water Board before proceeding with the final cost-sharing arrangements. present should be research oriented until further information is available. The Minister suggested that his Department would be prepared to enter into a cost-sharing agreement for a pilot weed harvesting project this summer; however, this operation should be confined, and studied to determine the effectiveness and cost of operation. The Minister was awaiting a proposal to be submitted by the Water Board before proceeding with the final cost-sharing arrangements.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER
BOARD APRIL 6, 1972.

3.

Aquatic
Weed
Control
(Cont'd):

Mr. Bennett suggested that a proposal be forwarded to the Provincial Government now.

The Secretary-Manager presented aquatic weed harvesting costs. Estimates for equipment rental were provided on a monthly, daily and hourly basis. Average costs per acre were also estimated.

Aquatic weed growth in the Vernon arm of Okanagan Lake would take approximately one month to harvest. Total costs for a one month operation and for a two month operation were estimated. If a two month program was undertaken this would provide an opportunity for other communities, besides Vernon, and resort owners throughout the Okanagan, to enter into cost-sharing arrangements as well. The total cost of the two month weed harvesting operation was estimated to be approximately \$6,000. The Provincial Government would have to be approached concerning the portion of costs to be shared.

A study of the operation would have to be undertaken to determine production capacity of the machine and its effectiveness in weed growth and control. A consulting firm presently undertaking aquatic weed studies for the Water Resources Service, could continue research on this pilot project. Various other communities and resort owners would have to be contacted throughout the Valley to determine their interest in sharing in the program.

The Secretary-Manager explained that he has negotiated with several sources for the rental of a machine on a one to two month basis. The only British Columbia based firm supplying harvesting equipment, Esco Ltd., did not think it would be feasible to provide a machine for a short period, and were therefore not interested in bringing a machine into the Valley. The Secretary-Manager had asked the firm to re-consider this decision and is continuing to attempt to make a machine available.

Mr. Farmer suggested that the availability and the cost of the machine be firmed up, and that the Water Board ask the Provincial Government to share 75% of the costs.

Mayor Fleming informed the Board that the City of Vernon has employed a crew to clean up present dead weed debris that has drifted ashore on the North end of Okanagan Lake. The work has progressed favourably and a large quantity of weed debris has been removed from the beach and shallow foreshore areas. Private property owners on the adjacent waterfront have formed a committee to remove weed debris on front of private residences.

The Chairman commended the City of Vernon on the work they have done in cleaning up the debris.

Aquatic
Weed
Control:
(Cont'd)

The Secretary-Manager mentioned that over the next two to three week period the lake would be at its lowest level for the year. This would provide an excellent opportunity to clean up beach foreshore properties.

Mr. Farmer suggested that resort owners and other interested groups throughout the Okanagan be contacted to determine their interest in sharing costs of weed harvesting near their own property. He suggested that the daily maximum cost estimate be presented to them to see what their comments might be in sharing this cost with the Provincial Government in a harvesting program

Farmer-Lawrence:

That resort owners and other lakeside property owners be contacted to ascertain their interest in supporting an aquatic weed harvesting program at a maximum cost of \$150.00 a day subject to sharing by the Province of British Columbia.

CARRIED

The Chairman suggested that in the interim period, there might be decisions required to be made by the Chairman in the absence of a Board meeting.

Farmer-Bennett:

That the Chairman, His Worship Mayor Fleming and the Secretary-Manager, be given the authority to make the appropriate decisions required for implementing the weed harvesting program.

CARRIED

Applications for Pollution Control Permits:

The following applications for Pollution Control permits were reviewed:

R.G.O. Hall
Laundramat:

1. Application by Robert George O. Hall of Okanagan Falls B.C. to discharge effluent from a coin operated laundry into a drain field.

During peak summer months effluent could also be used to supplement irrigation water in an orchard owned by the applicant. The average daily discharge would be 840 gals. the maximum daily discharge would be 3360 gals.

The Secretary-Manager had visited the site and reviewed the application with the applicant. There would be no surface discharge of effluent. The availability of a large acreage of orchard would provide versatility in applying effluent water diluted with regular irrigation water to crops. The Board did not foresee that there would be any pollution problems arising from this application.

Coldstream
Meat
Packers:

2. Application for an amendment of Pollution Control permit by Coldstream Meat Packers of Vernon, B.C.

The original permit issued on January 6, 1967 was being amended to increase the average daily discharge from 8000 gals to 10,000 gals.

The Secretary-Manager visited the site and reviewed the conditions of the permit with the applicant. Wash-water from the Meat Packing Plant would be discharged into a lagoon system with provision for ex-filtration into the ground. Excess effluent would be used for spray irrigation on adjacent land owned by the applicant. The Board agreed to support the application.

MacDonalds
Consolidated
Ltd:

3. Application by MacDonalds Consolidated Limited of Vancouver, B.C. to discharge treated effluent from a fruit processing plant at Summerland into Okanagan Lake.

The average daily discharge would be 140,000 gals. The maximum daily discharge would be 230,000 gals. The operating period during which the effluent would be discharged is July 1st. to December 31st. Treatment to be applied to the effluent would be initiated into two phasis.

Phase I would be an activated sludge process with clarification.

Phase II would be a level of treatment necessary to meet any additional requirements that may result from the Okanagan Basin report and/or a food products inquiry.

The Secretary-Manager mentioned the applicant had not been clear in describing the timing and the nature of phase I and phase II treatments; nor had the characteristics of the effluent on the reverse page of the application been accurately defined. He had written to the Pollution Control Branch to obtain supplementary information. There was a possibility the application would be re-submitted and the objection period extended.

The Secretary-Manager had reviewed the application in the field with the applicant and had consulted the Summerland Research Station on the nature of cannery effluents. The South Okanagan Health Unit was also contacted concerning the application. The Secretary-Manager mentioned that the wastes were presently screened to remove larger particles and then discharged to the lake. The present discharge contains sugars; however, only limited amounts of nitrogen and phosphorous are expected to be in the effluent. Sugars may provide an excellent media for the growth of coliform bacteria.

MacDonalds
Consolidated
Limited :
(Cont'd)

Treatment by an activated sludge process is expected to produce a fairly clear effluent; however, this type of treatment could be difficult since the waste carries a high bio-chemical oxygen demand. Additions of nitrogen and phosphorous to the effluent would likely improve biological conditions in the treatment process. Only a portion of the added nitrogen and phosphorous would then be removed.

Treated sewage, according to the application, would then be discharged into Okanagan Lake via a submerged outfall.

The Secretary-Manager mentioned that the operation from July 1st. to December 31st. was essentially during the frost free period. Possibilities for spray irrigation appeared very attractive, since storage would not be required during winter months. He mentioned that in most fruit canneries in the United States, the traditional method of effluent disposal is through spray irrigation systems. He suggested that a spray irrigation system be investigated by the cannery.

Mr. Bennett stated that since the treated effluent according to the application, would be discharged directly into Okanagan Lake, this was not considered to be satisfactory. He suggested that the Water Board oppose this application.

Bennett-Farmer:

That the Okanagan Basin Water Board object to the application by MacDonalds Consolidated Limited to discharge treated effluent into Okanagan Lake; and further that the Board continue its efforts for the removal of waste bearing outfalls into the Okanagan system.

Hiram
Walker & Sons
Amendment:

4. Application for an amendment for Pollution Control Permit No. PE267P and PE268P by Hiram Walker & Sons Ltd.

The Secretary-Manager mentioned that the application for an amendment merely stated that the provisional permit valid for a period of three years was no longer valid and that the time clause is now being deleted from the Pollution Control Permit. The permit is subject to amendment at any time upon order by the Director of Pollution Control.

Farmer-Bennett:

That applications for, and amendments too, Pollution Control Permits by Robert Hall, Coldstream Meat Packers Ltd., and Hiram Walker & Sons Ltd., not be objected to by the Okanagan Basin Water Board.

CARRIED

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER
BOARD, APRIL 6, 1972

7.

Authority
Re: Pollution
Control
Permits:

The Chairman drew the Board's attention to items of correspondence which had been exchanged with the City of Kelowna concerning the processing of applications for pollution control permits. Mayor Roth was asked to comment on the City of Kelowna's feelings regarding applications for permits being reviewed by the Water Board.

Mayor Roth mentioned that it was the feeling of the Council of the City of Kelowna that the Water Board does not have authority in the granting of pollution control permits, neither does the Board have any authority to investigate permits in the field. Applications within the City of Kelowna would be reviewed by the Technical staff of the City. Mayor Roth mentioned that the Board did not have more authority to object than any other organization. He stressed that the Board should seek authority in pollution control matters. The Mayor suggested that any action that the Board could presently take could be as easily implemented by the City of Kelowna.

The Chairman replied that the Okanagan Basin Water Board was working towards a uniform policy and approach to all waste discharges in the Valley. So far there has been good cooperation on behalf of all those concerned. Objections raised by the Water Board to some applicants have had an effect on curtailing waste discharges. The Water Board can only forward recommendations concerning applications, but it is not the final signing authority. Mr. Bawtree further mentioned that this Board was largely set up by the Provincial Government and the Province should recognize any recommendations and objections made by the Board.

Mr. Bennett mentioned that if the Board is able to work closely with all municipalities and organizations throughout the Valley it will have more support and authority.

Mr. Farmer wished the Board not to become involved with petty items. The Board represents communities throughout the Okanagan and is trying to do all it can in the interest of pollution control. If it was felt that the Board should have additional authority, then the Board should also be prepared to absorb extra costs associated.

Mayor Roth suggested that the Water Board attempt to secure more authority in local water resource management. The City of Kelowna would review applications using their own staff until the Board acquired more authority in processing pollution control permits.

The Chairman suggested that the Water Board was not trying to discourage cities from making their own decisions and objections regarding pollution control permits, but that the cities should comment on these applications as well. The Board merely wished to see copies of the applications, to be informed, and to make objections as required.

Regulation
of Feed
Pens Within
Creek Beds:

The Chairman mentioned that earlier in the year he had asked the Secretary-Manager to report upon any incidences of pollution which the Board should attempt to correct.

The Secretary-Manager informed the Board that during field inspections he had observed several cattle feed pens and manure piles within creek beds. Water was flowing through pens and piled cattle refuse. He suggested that these conditions constituted a case of water pollution and should be dealt with on a priority basis. Legislation was available to control these practices which had been cited. He suggested that these conditions be brought to the attention of the appropriate authorities.

Mr. Bennett felt that these outstanding conditions should be reported to the authorities for correction.

Mr. Bawtree mentioned that this Board could only act as a coordinating and recommending agency. Mr. Marshall mentioned the health authorities were also investigating the effects of cattle feed lots upon water quality.

The Board agreed that these cases of gross negligence and pollution should be reported to the appropriate authorities.

Snowpack
and
Lake Levels:

The Secretary-Manager mentioned that snow surveys for both March 1st. and April 1st. in the Okanagan and Similkameen drainages indicated much above average snow accumulations. Several record accumulations were reported from various stations. The level of Okanagan Lake on April 6th, 1972 was 1120.09 ft. elevation. This is approximately 4 inches above the minimal level. The current low level of the lake provides an excellent opportunity for cleaning and maintaining foreshore properties.

Working
Arrangements
with Okanagan
Basin Study:

Other Business:

The Secretary-Manager drew the Board's attention to a draft copy of working arrangements between the Okanagan Basin Water Board and the Okanagan Basin Study, drawn up by Mr. Thomson of the Okanagan Basin Study, and the Secretary-Manager.

The Secretary-Manager also mentioned that Mr. A. Kirby, temporary public participation co-ordinator, under the Okanagan Basin Study would be in the field the following week.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER
BOARD, APRIL 6, 1972

9.

Conference
Wenatchee:

The Board's attention was drawn to an International Water Resources Conference which would be held in Wenatchee from April 11th - April 13th.

Mr. Bennett suggested that if time permitted the Secretary-Manager should attend this conference.

Bennett-Lawrence

That the expenses of the Secretary-Manager be paid to attend the Water Resources Conference in Wenatchee April 11th - 13th, if the Secretary-Manager is able to attend.

CARRIED

Technical
Committee
Members:

The Secretary-Manager recalled the Board's interest at the previous meeting concerning the expansion of the Technical Committee now that more information from the Okanagan Basin Study would have to be reviewed. It was suggested that Mr. N.J. Deck, Engineering Director of the City of Kelowna be officially approached and that the Planning Directors from each of the Regional Districts also be approached to participate on the Technical Committee.

Bennett-Farmer:

That Mr. N.J. Deck, of the City of Kelowna and the Planning Directors of each of the three Regional Districts be asked to serve on the Technical Committee to the Okanagan Basin Water Board.

CARRIED

Mr. Bennett moved that the meeting adjourn and that the Board go into committee.

The meeting adjourned at 3 30 p.m.

Secretary-Manager

Chairman

MINUTES OF THE MEETING OF THE COMMITTEE-OF-THE WHOLE
OF THE OKANAGAN BASIN WATER BOARD, APRIL 6th, 1972
3:45 p.m. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL
OKANAGAN, KELOWNA, B.C.

Present:

L. Bawtree (Chairman	R.D.N.O.
G.V. Lawrence	R.D.O.S.
P.A. Farmer	R.D.O.S.
W.C. Bennett	R.D.C.O.
M. Marshall	R.D.C.O.
S. Fleming	R.D.N.O.

Mr. Farmer mentioned that he was concerned regarding the City of Kelowna attitude toward the function of the Water Board and the processing of Pollution Control Permits. The City had pressed for representation on the Water Board. Now that the Board and Regional Districts have proceeded and agreed to apply for additional representation, the City of Kelowna does not wish to be involved.

Mayor Fleming mentioned that he shared Mr. Farmer's concern. Mayor Fleming said that he wished the cities to have representation on the Board since the cities would be involved in water management. He had no desire to see the Board weakened; however, he did agree with the second suggestion by Mayor Roth, - that the Water Board should strive to achieve more authority in local water management. He drew the Board's attention to several cases where local subdivisions were objected to by the Regional District of North Okanagan and not recommended for implementation. However, the senior level of Government allowed the subdivisions to go in. Problems have subsequently developed and the local governments, not the senior government, became responsible for correction. Had the initial recommendations of the Regional District been adhered to, this type of problem would not have been encountered. Therefore, the Mayor suggested that he would not like to see the Water Board recommendations ignored. He suggested that the Board should examine where its recommendations could have more recognition.

The Water Board and the Regional District cannot really get to the basic problems if licencing and permits are being issued by senior levels of government, thereby perpetuating bad practises. The Water Board should be satisfied before permits can be granted.

Mr. Bennett mentioned that Regional Districts presently are not legal objectors to applications for pollution control permits. He felt the Regional Districts should be given the authority before the Water Board. The Water Board could work through the Regional Districts.

Mayor Fleming mentioned that the Board represents three Regional Districts in the Valley. The Board should make recommendations to the Provincial Government, asking that the Regional Districts become legal objectors.

ional Districts.

Mayor Fleming mentioned that the Board represents three Regional Districts in the Valley. The Board should make recommendations to the Provincial Government, asking that the Regional Districts become legal objectors.

Mr. Farmer mentioned that he would ask his Regional District to obtain authorization for the Secretary-Manager to enter and inspect properties in relation to pollution permits within the Regional District of Okanagan-Similkameen.

MINUTES OF THE MEETING OF THE COMMITTEE-OF-THE WHOLE
OF THE OKANAGAN BASIN WATER BOARD, APRIL 6, 1972 2.

Mr. Bawtree said he was not sure whether there were changes required in the authority of the Board. He noted there were already many regulations which were not being enforced. The Water Board could recommend that these be enforced in the field. If the Water Board wished to become a regulatory body it could become involved in many problems.

Mayor Fleming suggested that the Regional Districts should have some authority. Regulatory authority could involve additional costs.

Mr. Bawtree suggested that letters be forwarded to the Minister of Municipal Affairs, and to the Regional Districts recommending that the Regional Districts be given authority to become legal objectors for pollution control applications.

Mayor Fleming suggested that each Regional District apply to be a legal objector.

Mr. Bennett informed that the Regional District of North Okanagan and the Regional District of Central Okanagan were arranging a joint meeting. He invited the Regional District of Okanagan-Similkameen to attend as well. Joint problems could be discussed.

Bennett-Fleming:

That a letter be forwarded to each of the Regional Districts requesting their opinion and comments on the suggestion that they apply to the Department of Municipal Affairs to become legal objectors to applications for pollution control permits.

CARRIED

The meeting adjourned at 4:30 p.m.

Secretary-Manager

Chairman

Secretary-Manager

Chairman

OKANAGAN BASIN WATER BOARD

A G E N D A

Thursday May 4th, 1972 2:00 p.m.

1. Minutes from Meeting of April 6th, 1972.
2. Accounts
3. Quarterly Statement of Expenditures
4. Correspondence:
 - (a) Pollution Control Branch:
 - Re: 'Application for Pollution Control Permit by MacDonalds Consolidated Ltd.
 - Re: "Regulation of Cattle Feed Pens"
 - (b) Application for Objection under Section 13, clauses 2 and 3 of the Pollution Control Act.
 - R.D.O.S.
 - R.D.C.O.
 - (c) Acceptance of Invitation to serve on Technical Committee.
 - N.J. Deck, City of Kelowna
 - H. Thomson R.D.O.S.
 - D.W. Barcham R.D.C.O.

5. Sanitary Stations for Boating Wastes

6. Summaries Public Meetings and Resident Survey of Okanagan Basin Study.

7. Other Business

(a) - Aquatic Weeds

(b) - Public Participation Coordinator - Letter

7. Other Business

(a) - Aquatic Weeds

(b) - Public Participation Coordinator - Letter

(c) - 3rd rep Reg Districts Letter

(d) - ...

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD,
MAY 4, 1972, 2:00 p.m. OFFICES OF THE REGIONAL DISTRICT
OF CENTRAL OKANAGAN, KELOWNA, B.C.

Present: L. Bawtree (Chairman) R.D.N.O.
S. Fleming R.D.N.O.
P.A. Farmer R.D.O.S.
G.V. Lawrence R.D.O.S.
M. Marshall R.D.C.O.
W.C. Bennett R.D.C.O.

Also in Attendance:

T.A.J. Leach Co-Chairman, Okanagan Basin Study
Dr. J. O'Riordan Co-Chairman, Okanagan Basin Study
C.H. Thomas Okanagan Basin Study
M. Collins Okanagan Basin Study
J. Hamilton Engineer, City of Penticton
E. Harvey, Manager, Vernon Irrigation District
J.E. Kerr R.D.C.S.
G.J. Bowers R.D.T.N.

Press and Radio:

Kelowna Courier, Vernon News, Penticton Herald, CKOK Radio
CKOV Radio, CKIQ Radio.

The Chairman introduced Mr. M. Collins of the Okanagan Basin Study. Mr. Collins would be undertaking recreation studies.

Minutes: Bennett-Farmer:

That the minutes of the meeting of April 6th, 1972 be adopted as circulated.

CARRIED

Accounts: The Secretary-Manager presented accounts outstanding totalling \$802.07.

Farmer-Lawrence:

That the above accounts totalling \$802.07 be paid.

CARRIED

Quarterly Statement of Expenditures: The Secretary-Manager presented the quarterly statement of expenditures for the period January 1st - March 31st 1972.
The Board approved these statements.

MacDonalds Correspondence:
Consolidated

Application 1. Letter from Mr. V. Raudsepp, Chairman Pollution Control Board, acknowledging receipt of Okanagan Basin Water Board letter objecting to an application for a Pollution Control Permit:
Permit by MacDonalds Consolidated Ltd. Mr. Raudsepp informed the Pollution Control Board will consider the Water Board objection.

Correspondence (Cont'd)

Feed Pens (2) A letter of April 24th from the Pollution Control
Within Branch acknowledging receipt of the Okanagan Basin Water
Streams: Board letter concerning operation of feed pens in streams.
Appropriate action would be taken by the Pollution Control
Branch after an in-the-field inspection was completed.

The Chairman informed that regulation of cattle feed pens within streams would possibly have to be pursued further with the Department of Agriculture as well. Advice and assistance in regulating these pens is required from Agricultural authorities.

Objections (3) Copies of letters from the Regional District of Okan-
Under agan-Similkameen and the Regional District of Central
Pollution Okanagan to the Pollution Control Board were read. These
Control letters were written with the view to making application
Act: by the Regional Districts to become valid objectors under
Section 13 Clauses 2 and 3 of the Pollution Control Act.
The Okanagan Basin Water Board had requested that Regional
Districts write to obtain higher status as objectors under
the Pollution Control Act.

Mr. Bennett informed that the Regional District of Central Okanagan would bring this matter up again at the approaching meeting with the Department of Municipal Affairs.

New Members (4) Letters from N.J. Deck, City of Kelowna, H. Thomson,
Technical Planning Director, Regional District of Okanagan-Similkameen ;
Committee: D.W. Barcham, Planning Director, Regional District of Central
Okanagan; all accepting invitations of the Okanagan Basin
Water Board to serve on the Technical Committee to the Board.

The Chairman informed that he and the Secretary-Manager had met with members of the Okanagan Basin Study to review the latest activities.

Seminars- (Mr. Leach informed that the water quantity Task Group
Okanagan of the Okanagan Basin Study would be holding three one-day
Basin seminars throughout the Valley in mid-May. These would be
Study: held in Vernon, Kelowna and Osoyoos and would deal only with
present water resource management and present demand.
Existing water supply conditions and management; and those
of the past fifty years would be reviewed. Exact time and
location of meetings would be announced in the press at
a later date.

G.W. Sinclair (Mr. Leach also informed that Mr. G.W. Sinclair was
Public hired as of the 1st of May to coordinate the Public Partic-
Participat- ipation Program of the Study. He is now becoming familiar
ion Coordin-with the Study and the Okanagan.
ator:

Dr. O'Riordan mentioned that a program has been developed to discuss factual problems both of water quality and water quantity. Hopefully, the public will become conversant with all aspects of water management and will be able to understand water management alternatives.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD
MAY 4, 1972.

3.

Summaries
Public
Meetings
and
Resident
Survey:

The Chairman drew the Board's attention to the Summaries of public meetings which had been distributed to the Board at last month's meeting by the Secretary-Manager. The Board would now have an opportunity to discuss summaries of public views presented during these meetings. Results of a resident survey by the Okanagan Basin Study would be reviewed with Dr. O'Riordan.

Mr. Bennett asked if the summarized results of meetings by the Okanagan Basin Water Board had gone to the Okanagan Basin Study; and whether these results were useful.

Mr. Leach replied that the results had been very helpful to the Study and had been used. Dr. O'Riordan mentioned that summaries of public meetings compiled by the Water Board would be incorporated into the Okanagan Basin Study.

The Secretary-Manager reviewed the summary Report which he had prepared, with the Water Board, pointing out those areas of concern where the public had expressed themselves most strongly at public meetings.

Dr. O'Riordan presented results of a resident survey which had been carried out by the Okanagan Basin Study during the Fall of 1971. A summary of his findings was circulated to the Water Board. Resident views in the North, Central and South Okanagan had been compared. Urban views and rural views on various items related to water resource management were also compared. A comprehensive review of the entire survey was given to the Board. Dr. O'Riordan explained that the goals of the survey were: to determine how aware the public was of the Study, what people felt were the major problems, and whether they were prepared to participate further in the Study. The public were also asked to state their preferences concerning water resource management.

Mr. Farmer expressed concern with the high percentage of people that were not aware of the Study or of the activities of the Water Board.

Dr. O'Riordan said there was no need for great concern this was a natural situation where the public do not express their real interest until a major item of conflict exists. The Board should not be worried about the low rate of awareness. Much work has been done in assimilating information for the public. The public also must take some initiative in making themselves aware.

Mayor Fleming suggested there was no need for real concern. He stated the reason the public had elected politicians, was to act on their behalf while in office. The public could express satisfaction or dissatisfaction during election time. The Mayor explained that Vernon residents had expressed their views on the future they wanted in a series of meetings in Vernon. However, it was quickly realized that there was

Mayor Fleming suggested there was no need for real concern. He stated the reason the public had elected politicians, was to act on their behalf while in office. The public could express satisfaction or dissatisfaction during election time. The Mayor explained that Vernon residents had expressed their views on the future they wanted in a series of meetings in Vernon. However; it was quickly realized that there was not a sufficient tax base to give people everything they wanted.

The Chairman explained that if people are made aware of the consequences of not raising money to protect the environment, they would be more willing to place money into environment protection.

The Chairman thanked Dr. O'Riordan for his comments and report.

Sani-Stations The Secretary-Manager recalled the Board's past
Boating deliberations concerning the provision of Sanitary Stations
Wastes: at several strategic points in the Valley to receive sani-
 tary wastes from boats and house boats. The Secretary-
 Manager had approached yacht clubs and marinas within the
 Basin to receive their views and to inquire whether or not
 they were interested in installing sani-stations; and
 charging minimal sums to boaters for the use of these facil-
 ities.

The Secretary-Manager informed that marinas were generally not interested in undertaking the capital expenses involved in installing sani-stations. There would not be enough business to make the venture profitable. Some marinas would cooperate in operating the stations at a charge to boaters using the facility. Yacht clubs felt that capital expenditures for waste handling facilities should be made by government agencies; but were willing to pay minimal toll charges on an individual basis. The Secretary-Manager explained that generally there was a need for some agency to make the initial capital expenditure which would hopefully be recovered through collection of tolls.

The Secretary-Manager had approached Federal representatives and the Department of Transport with the view to having sani-stations provided at Federal breakwaters on the Okanagan system as part of the entire facility. Recovery of costs could be made by charging a higher lease rate to users of Federal mooring facilities.

The Department of Transport was currently preparing a report on the suggestion. The Secretary-Manager was awaiting a reply.

The Secretary-Manager had visited all R.C.M.P. detachments in the Valley informing them of the provisions under the Litter Act for regulation of boating waste discharges.

The R.C.M.P. have stated that they would enforce the Litter Act on the Lake very closely; watching particularly for effluent waste discharges from boats. Boats would be inspected to ensure there was no provisions for waste discharge to the Lake.

Mr. Bennett suggested that applications for foreshore leases include provisions for establishing holding tanks to receive boating wastes.

The Chairman informed that once wastes are removed from boats into holding tanks there were no suitable areas for discharging these wastes to land. This is a problem that could be discussed in a joint meeting between the three Regional Districts.

Mr. Marshall stated that since the Provincial Government has placed regulations on waste discharges, the Government should also be responsible for planning suitable alternatives for handling discharges. Mr. Bennett suggested that this item be discussed between the three Regional Districts at a joint meeting.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD
MAY 4, 1972

5.

Other Business:

Aquatic
Weed
Control:

The Chairman mentioned that the Secretary-Manager has been negotiating with several sources for weed harvesting equipment. A letter from the Provincial Government was expected shortly concerning the amount of sharing the Province was prepared to undertake in a pilot weed harvesting project.

Snow
Survey:

The Secretary-Manager reviewed the snow survey bulletin for April 1st, 1972. Snow packs on the Similkameen and Okanagan River Watershed were much above average. Records have been established on several snow courses.

The next meeting of the Board was tentatively set for June 8th.

The meeting adjourned at 4:10 p.m.

OKANAGAN BASIN WATER BOARD

A G E N D A

Thursday May 4th, 1972 2:00 p.m.

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 - R.D.O.S.
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 - (c) Acceptance of Invitation to serve on Technical Committee.
 - N.J. Deck, City of Kelowna
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5. Sanitary Stations for Boating Wastes

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7. Other Business

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MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD,
MAY 4, 1972, 2:00 p.m. OFFICES OF THE REGIONAL DISTRICT
OF CENTRAL OKANAGAN, KELOWNA, B.C.

Present: L. Bawtree (Chairman) R.D.N.O.
S. Fleming R.D.N.O.
P.A. Farmer R.D.O.S.
G.V. Lawrence R.D.O.S.
M. Marshall R.D.C.O.
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Also in Attendance:

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M. Collins Okanagan Basin Study
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The Chairman introduced Mr. M. Collins of the Okanagan Basin Study. Mr. Collins would be undertaking recreation studies.

Minutes: Bennett-Farmer:

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Farmer-Lawrence:

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Correspondence (Cont'd)

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The Chairman informed that regulation of cattle feed pens within streams would possibly have to be pursued further with the Department of Agriculture as well. Advice and assistance in regulating these pens is required from Agricultural authorities.

Objections Under Pollution Control Act: (3) Copies of letters from the Regional District of Okanagan-Similkameen and the Regional District of Central Okanagan to the Pollution Control Board were read. These letters were written with the view to making application by the Regional Districts to become valid objectors under Section 13 Clauses 2 and 3 of the Pollution Control Act. The Okanagan Basin Water Board had requested that Regional Districts write to obtain higher status as objectors under the Pollution Control Act.

Mr. Bennett informed that the Regional District of Central Okanagan would bring this matter up again at the approaching meeting with the Department of Municipal Affairs.

New Members Technical Committee: (4) Letters from N.J. Deck, City of Kelowna, H. Thomson, Planning Director, Regional District of Okanagan-Similkameen; D.W. Barcham, Planning Director, Regional District of Central Okanagan; all accepting invitations of the Okanagan Basin Water Board to serve on the Technical Committee to the Board.

The Chairman informed that he and the Secretary-Manager had met with members of the Okanagan Basin Study to review the latest activities.

Seminars- Okanagan Basin Study: Mr. Leach informed that the water quantity Task Group of the Okanagan Basin Study would be holding three one-day seminars throughout the Valley in mid-May. These would be held in Vernon, Kelowna and Osoyoos and would deal only with present water resource management and present demand. Existing water supply conditions and management; and those of the past fifty years would be reviewed. Exact time and location of meetings would be announced in the press at a later date.

G.W. Sinclair Public Participation Coordinator: Mr. Leach also informed that Mr. G.W. Sinclair was hired as of the 1st of May to coordinate the Public Participation Program of the Study. He is now becoming familiar with the Study and the Okanagan.

Dr. O'Riordan mentioned that a program has been developed to discuss factual problems both of water quality and water quantity. Hopefully, the public will become conversant with all aspects of water management and will be able to understand water management alternatives.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD
MAY 4, 1972.

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Dr. O'Riordan presented results of a resident survey which had been carried out by the Okanagan Basin Study during the Fall of 1971. A summary of his findings was circulated to the Water Board. Resident views in the North, Central and South Okanagan had been compared. Urban views and rural views on various items related to water resource management were also compared. A comprehensive review of the entire survey was given to the Board. Dr. O'Riordan explained that the goals of the survey were: to determine how aware the public was of the Study, what people felt were the major problems, and whether they were prepared to participate further in the Study. The public were also asked to state their preferences concerning water resource management.

Mr. Farmer expressed concern with the high percentage of people that were not aware of the Study or of the activities of the Water Board.

Dr. O'Riordan said there was no need for great concern this was a natural situation where the public do not express their real interest until a major item of conflict exists. The Board should not be worried about the low rate of awareness. Much work has been done in assimilating information for the public. The public also must take some initiative in making themselves aware.

Mayor Fleming suggested there was no need for real concern. He stated the reason the public had elected politicians, was to act on their behalf while in office. The public could express satisfaction or dissatisfaction during election time. The Mayor explained that Vernon residents had expressed their views on the future they wanted in a series of meetings in Vernon. However, it was quickly realized that there was

Mayor Fleming suggested there was no need for real concern. He stated the reason the public had elected politicians, was to act on their behalf while in office. The public could express satisfaction or dissatisfaction during election time. The Mayor explained that Vernon residents had expressed their views on the future they wanted in a series of meetings in Vernon. However; it was quickly realized that there was not a sufficient tax base to give people everything they wanted.

The Chairman explained that if people are made aware of the consequences of not raising money to protect the environment, they would be more willing to place money into environment protection.

The Chairman thanked Dr. O'Riordan for his comments and report.

Sani-Stations The Secretary-Manager recalled the Board's past
Boating deliberations concerning the provision of Sanitary Stations
Wastes: at several strategic points in the Valley to receive sani-
 tary wastes from boats and house boats. The Secretary-
 Manager had approached yacht clubs and marinas within the
 Basin to receive their views and to inquire whether or not
 they were interested in installing sani-stations; and
 charging minimal sums to boaters for the use of these facil-
 ities.

The Secretary-Manager informed that marinas were generally not interested in undertaking the capital expenses involved in installing sani-stations. There would not be enough business to make the venture profitable. Some marinas would cooperate in operating the stations at a charge to boaters using the facility. Yacht clubs felt that capital expenditures for waste handling facilities should be made by government agencies; but were willing to pay minimal toll charges on an individual basis. The Secretary-Manager explained that generally there was a need for some agency to make the initial capital expenditure which would hopefully be recovered through collection of tolls.

The Secretary-Manager had approached Federal representatives and the Department of Transport with the view to having sani-stations provided at Federal breakwaters on the Okanagan system as part of the entire facility. Recovery of costs could be made by charging a higher lease rate to users of Federal mooring facilities.

The Department of Transport was currently preparing a report on the suggestion. The Secretary-Manager was awaiting a reply.

The Secretary-Manager had visited all R.C.M.P. detachments in the Valley informing them of the provisions under the Litter Act for regulation of boating waste discharges.

The R.C.M.P. have stated that they would enforce the Litter Act on the Lake very closely; watching particularly for effluent waste discharges from boats. Boats would be inspected to ensure there was no provisions for waste discharge to the Lake.

Mr. Bennett suggested that applications for foreshore leases include provisions for establishing holding tanks to receive boating wastes.

The Chairman informed that once wastes are removed from boats into holding tanks there were no suitable areas for discharging these wastes to land. This is a problem that could be discussed in a joint meeting between the three Regional Districts.

Mr. Marshall stated that since the Provincial Government has placed regulations on waste discharges, the Government should also be responsible for planning suitable alternatives for handling discharges. Mr. Bennett suggested that this item be discussed between the three Regional Districts at a joint meeting.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD
MAY 4, 1972

5.

Other Business:

Aquatic
Weed
Control:

The Chairman mentioned that the Secretary-Manager has been negotiating with several sources for weed harvesting equipment. A letter from the Provincial Government was expected shortly concerning the amount of sharing the Province was prepared to undertake in a pilot weed harvesting project.

Snow
Survey:

The Secretary-Manager reviewed the snow survey bulletin for April 1st, 1972. Snow packs on the Similkameen and Okanagan River Watershed were much above average. Records have been established on several snow courses.

The next meeting of the Board was tentatively set for June 8th.

The meeting adjourned at 4:10 p.m.

MINUTES OF THE MEETING OF THE COMMITTEE-OF-THE-WHOLE
OF THE OKANAGAN BASIN WATER BOARD MAY 4th, 1972 at
4:20 p.m. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL
OKANAGAN, KELOWNA B.C.

Present: L. Bawtree R.D.N.O.
S. Fleming R.D.N.O.
W.C. Bennett R.D.C.O.
M. Marshall R.N.C.O.
P.A. Farmer R.D.O.S.
G.V. Lawrence R.D.O.S.
W. Parchomchuk Secretary-Manager

The Secretary-Manager informed the Board of the past proceedings in negotiations regarding acquisition of aquatic weed harvesting equipment for a pilot project on the north arm of Okanagan Lake. The Provincial Government has been contacted with a proposal for cost-sharing. The Province has been asked to share 75% of the cost of the project. A letter had recently been forwarded by the Province but was still not received. However, it was expected the contents of the letter would indicate that the Province was willing to share 50% of the cost of an experimental weed harvesting project. This would also be contingent upon a satisfactory research program being implemented.

The Secretary-Manager informed that there were some difficulties in raising guaranteed funds from local residents and shoreline resorts, towards the harvesting program. The City of Vernon had already guaranteed \$1,200, however, additional guarantees would be required from either the Okanagan Basin Water Board or the Regional District of North Okanagan to back the program should adequate funds not be made available through local residents and resorts.

Mayor Fleming mentioned that the City of Vernon was cleaning those beaches administered by the City, but it could not do work on front of other private beach areas outside the City limits. Mr. Bawtree informed that the Board could not wait and rely on individual residents to raise the money. Permission was required from the Board to back the project with funds the Board has already set aside for research. Mr. Farmer suggested that the Water Board back the Study with the entire \$1,000 the Board has in the research fund. This money could be used as security.

Mayor Fleming suggested that the Province be informed that there are many imponderables in raising the required money locally, and that the Province should guarantee the maximum sum of \$4,600 which was indicated on the higher initial quote. Local residents would pay the rest.

Farmer-Bennett

That the Okanagan Basin Water Board allocate \$1,000 which had been set aside under the Research Fund towards a guaranteed backing of the weed harvesting project.

CARRIED

Mr. Bawtree and Mayor Fleming would pursue additional funds to guarantee the equipment through the Regional District of North Okanagan.

MINUTES OF THE MEETING OF THE COMMITTEE-OF-THE-WHOLE
OF THE OKANAGAN BASIN WATER BOARD, MAY 4, 1972

2.

The Secretary-Manager informed that a condition of the Provincial sharing was that an adequate research program be set up in conjunction with the harvesting operation. It was felt that the Province wished the Board to be responsible for this research. The Board does not have facilities available for carrying out such research.

Mayor Fleming mentioned that staff from the City of Vernon could be made available to occasionally take the required measurements and make technical observations in the field. The Secretary-Manager suggested he would approach other scientific sources and the Water Investigations Branch to discuss the research program.

Mayor Fleming informed that the City of Vernon had already committedd \$5,000 towards the project including rental of machinery and clean up of weeds once they are ashore.

The meeting adjourned at 5:00 p.m.

OKANAGAN BASIN WATER BOARD

A G E N D A

Thursday June 8th, 1972 2:00 p.m.

1. Minutes from meeting of May 4th, 1972
2. Accounts
3. Correspondence:
 - (a) V. Raudsepp - re Application for Pollution Control Permit -
by MacDonalds Consolidated.

Corporation of the District of Summerland - Pollution
Control Application MacDonalds Consolidated.
 - (b) District of Coldstream - Re: Jurisdiction over creek
flooding and erosion.
 - (c) Peachland Water Users - Petition re: Water Quality.
 - (d) B.E. Marr - Re: Okanagan Lake Level
4. Flood levels Okanagan-Similkameen for the month of May - Slides
See Slides *- Slides 1-10 by*
water.
5. Aquatic Weed Control:
- for 1972 - 1973
 - Correspondence R. Williston and W.R. Redel
 - Contract with Aquatic Weed Control Co.
- 1 year contract
- 1972-1973
6. Other Business



OKANAGAN BASIN WATER BOARD

OFFICE OF
THE SECRETARY-MANAGER
540 GROVES AVENUE
KELOWNA, BRITISH COLUMBIA
TELEPHONE (604) 763-4918

May 25th, 1972

N O T I C E

A regular meeting of the Okanagan Basin
Water Board will be held on Thursday June 8, 1972
at 2:00 p.m. in the offices of the Regional District
of Central Okanagan, 540-Groves Avenue, Kelowna, B.C.

Secretary-Manager.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN
WATER BOARD, JUNE 8th, 1972, 2:00 P.M. OFFICES
OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN,
KELOWNA, B.C.

Present: L. Bawtree (Chairman R.D.N.O.
S. Fleming R.D.N.O.
W.C. Bennett R.D.C.O.
D. Pritchard R.D.C.O.
F.W. Laird R.D.O.S.

Also in Attendance:

J. Hamilton Engineer, City of Penticton
K. Blagborne Alderman, District of Summerland
G. Sinclair Okanagan Basin Study

Press & Radio:

Vernon News, Kelowna Courier, CKOV Radio.

Minutes: Bennett-Pritchard:

That the minutes of the meeting of May 4th, 1972
be adopted as circulated.

CARRIED

Accounts: The Secretary-Manager presented accounts outstand-
ing totalling \$575.28.

Laird - Bennett:

That the above accounts totalling \$575.28 be paid.

CARRIED

Correspondence:

MacDonalds
Consolidated
Pollution
Control
Application: 1. Letter from Mr. V. Raudsepp, Chairman, Pollution
Control Board, in reply to the Okanagan Basin Water Board
objection of April 10, to an application for permit by
MacDonalds Consolidated Ltd. to discharge treated effluent
from a fruit processing plant at Summerland into Okanagan
Lake.

The Pollution Control Board noted that the fruit
processing plant intends to introduce treatment of effluent
which would result in the reduction of nutrients discharged
to Okanagan Lake. The Board also noted that its policy
regarding the Okanagan system is to require curtailment of
nutrient discharges.

In view of the foregoing the Pollution Control Board
determined not to accept the letter of the Okanagan Basin
Water Board as a formal objection to the MacDonalds Con-
solidated application for a pollution control permit.

Correspondence
(Cont'd):

A copy of a letter from the Corporation of the District of Summerland to the Director of Pollution Control concerning the application by MacDonalds Consolidated was also read.

The District of Summerland stated that since all attempts to arrange a meeting with officials of MacDonalds Consolidated Ltd. to discuss the discharge of trade wastes into Okanagan Lake have failed, the Council must strongly urge that this outfall be only allowed if the following conditions are met:

- That there be no possibility of untreated industrial wastes discharged into the Lake.
- That the outfall discharge point be so situated as to be a safe distance from the Corporation's domestic water intake. It is Council's opinion this should be a minimum of 1000 feet beyond the intake, and that MacDonalds Consolidated Ltd. be eventually compelled to have all effluent receive complete treatment such as has been ordered for Sun Rype Products and Kelowna Wines in the Branch Creek area in Kelowna.

Alderman Blagborne mentioned the District of Summerland Council was concerned with the attitude of the Pollution Control Branch and MacDonalds Consolidated Ltd concerning their application for a permit. The Summerland water intake was very close to the outfall. MacDonalds Consolidated has not cooperated with the District of Summerland. The District of Summerland is strongly opposed to the proposed effluent discharge. In the event of treatment plant breakdown there was a possibility of raw effluent being discharged directly to the Lake.

Mr. Bennett suggested that the Pollution Control Board be contacted again and the Water Board's strong objection to this application be stated.

Mr. Pritchard commented that the reply by the Pollution Control Board was not specific. The amount of nutrient curtailment was not stated.

Mayor Fleming suggested that since the Corporation of Summerland was not satisfied with the current information given by MacDonalds Consolidated and the Pollution Control Board that the permit application be stopped until the information is clear.

Bennett-Fleming:

That a letter be sent to the Pollution Control Board strongly recommending that the application for pollution control permit by MacDonalds Consolidated Ltd be not approved.

CARRIED

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD
June 8th, 1972

Correspondence
 (Cont'd):

District of
 Coldstream
 Re: Control
 of Flooding
 and Dyking:

2. Letter from the District of Coldstream requesting information as to responsibility for control of flooding and dyking along creeks within Municipal boundaries.

The Secretary-Manager mentioned that Section 516-530 of the Municipal Act outlines the responsibilities of Municipalities as far as water and stream control was concerned. He also mentioned that there was some provision for assistance in dyking and flood control to Municipalities from the Province. The conditions for this assistance were determined by the Deputy Minister of Water Resources.

Mayor Fleming mentioned that the Village of Lumby has had some experience with this type of problem and perhaps the District of Coldstream could contact the Village of Lumby to inquire as to their experience in flood control.

The Secretary-Manager would forward all available information to the District of Coldstream.

Laird-Pritchard:

That a letter be forwarded to the District of Coldstream to this effect.

CARRIED

Peachland
 Water Users
 Petition:

3. A copy of a petition forwarded to the Peachland Irrigation District by water users in that district was received by the Board. The water users were complaining of silting conditions in their domestic water supply.

Mr. Bennett suggested that the Secretary-Manager review the problem in the field,

Okanagan
 Lake
 Levels:

4. Letter from B.E. Marr, Chief Engineer, Water Investigations Branch, informing that there was a possibility that Okanagan Lake water levels may exceed the operating maximum of 1123.8 feet geodetic datum during the 1972 runoff period. A near record runoff was expected. Mr. Marr suggested that the local situation be reviewed and whatever action deemed appropriate be taken

Flood Levels
 Okanagan-
 Similkameen
 May-June:

The Secretary-Manager reported on flooding on local creeks, and on Osoyoos Lake and the Similkameen River. Peak water stages and river discharges were given.

Similkameen
 River:

According to records provided by the U.S. Bureau of Reclamation the Similkameen River at Nighthawk peaked on June 1st, 9 a.m. at a flow of 46,500 cu ft./sec. This compared with the 1948 discharge of only 38,700 cu.ft. per second. The June 1st 1972 flow is the highest recorded since the period of record starting 1911.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD
June 8th, 1972.

Osoyoos
 Lake at
 Oroville:

Osoyoos Lake at Oroville reached a peak stage on June 2nd, 1972, 8:30 p.m., at 917.10 feet elevation, U.S. Geodetic Survey Datum. This was .36 feet higher than in 1948. The established maximum level of the lake is 912 feet elevation.

Trout
 Creek:

The peak flow in Trout Creek was reached on May 30th, 1972, when the flow was 2,180 cu.ft./sec. Discharge in 1948 was 1,700 cu.ft./sec.

Mission
 Creek:

Mission Creek peaked on June 1st, 1972, at discharge rate of approximately 3,200 cu ft./sec.

Kalamalka
 Lake:

The level of Kalamalka Lake on June 6th, 1972, was 1,286.11 feet elevation. This is 1.17 feet above the maximum operating level of the lake.

Okanagan
 Lake:

Okanagan Lake on June 8th, reached 1,123.65 feet elevation. This was only .14 feet below the operating maximum.

The Secretary-Manager had graphed the flows of the Similkameen River and the Okanagan River for the month of May to date, and had compared the River discharges with fluctuations in Osoyoos Lake. There appeared to be approximately a $1\frac{1}{2}$ day lag between peak discharges of the Similkameen and peak stages on Osoyoos Lake.

A series of slides were presented showing flooding on local creeks, on Osoyoos Lake, on the Similkameen River, and on creeks in the Princeton area.

The slides revealed several instances where structures had been placed too close to water courses.

Aerial
 Photography:

The Chairman informed that the Regional District of North Okanagan was taking aerial photographs of the Shuswap River area for documentation of flood prone areas. He also advised that the Regional District of Okanagan-Similkameen had arranged to do some aerial photography along the Similkameen River in cooperation with the Province.

The Chairman suggested there should be some recommendation made regarding future building construction in areas subjected to flooding. Presentations should be made to the three Regional Districts participating in the Water Board concerning policies for building on flood plains. He referred to the present flood condition in Kamloops where subdivisions had been built on low-lying areas, and the public would now be required to pay for damages incurred.

Mr. Pritchard mentioned that permission had been given to locate these subdivisions on the present sites. Conditions for the placement of subdivisions would have to be more clearly defined.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD
June 8th, 1972.

Mr. Fleming surmised that the Water Board then wished the Regional Districts to take this opportunity to study the local flood situation and to map areas subject to flooding so that development on these areas could be controlled at future dates.

Laird-Fleming:

That correspondence be entered into with the Regional Districts encouraging the Regional Districts to document and map current flooding for the purpose of establishing development policies on areas subject to flooding.

CARRIED

A copy of this correspondence would also be forwarded to the Health Units.

Mr. Bennett suggested that the only way possible to control development on flood prone areas may be through curtailment of septic tank permits in low-lying areas.

The Secretary-Manager stated that the probability for stream flooding should also be considered in deciding on the type of development. If the probability for flooding in a certain area is, say, only once in one hundred years then it may be worth taking the risk of placing certain types of low cost facilities on this type of land. Most uncontrolled streams leave their channels in the area of the flood plain in a greater or lesser degree at least once in three years.

Aquatic
Weed
Control:

The Secretary-Manager read a letter, dated May 16th from the Honourable Ray Williston in reply to previous Okanagan Basin Water Board correspondence concerning the control of Aquatic weeds in the Okanagan system. Mr. Williston stated that he agreed with the Water Board's suggestion that the grant toward harvesting equipment rental would now remain at \$4,600. as long as the total Provincial share of the item did not exceed two-thirds of the total rental cost of equipment. All other conditions outlined in a earlier letter of May 2nd, 1972, would remain the same.

The Secretary-Manager mentioned that all arrangements for financing and bringing the equipment into the Valley on a rental basis had now been made. The Province had agreed to share \$4,600 of the cost, additional cost will be covered by the Okanagan Basin Water Board, the City of Vernon and the Regional District of North Okanagan and residents in the North Arm of Okanagan Lake. The expense of removing weeds from the lakeshore after harvesting would be undertaken locally.

The Secretary-Manager mentioned that his only concerns for the project now were the turbid conditions and high water levels in the north bay of Okanagan Lake. This would retard weed growth considerably. The contract may have to be rescheduled for a later date. There was a good possibility the schedule could be rearranged.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD
JUNE 8th, 1972.

Aquatic Weed
Control
(Cont'd):

A copy of the contract which had been drawn up by the Weed Control Company Ltd. of Olympia Wash., outlining the terms whereby the harvesting of weeds would be undertaken by the Company, was presented to the Board. The Secretary-Manager pointed out several changes to the contract would have to be made in view of the expected change in date of harvest. These amendments were then included in the contract.

Fleming-Pritchard:

That the Okanagan Basin Water Board receive and enter into the Aquatic Weed Harvesting Contract with the Aquatic Weed Control Company as presented to and amended by the Okanagan Basin Water Board.

CARRIED

Other
Business:

Mr. G. Sinclair informed the Board that the Water Rights Branch had recently completed an aerial survey of the Similkameen River and were contemplating flying the Okanagan system if a flood stage was reached.

The meeting adjourned at 3:30 p.m.

No meetings held
July so August 1922

OKANAGAN BASIN WATER BOARD

A G E N D A

Thursday, September 7th, 1972 - 2:00 p.m.

1. Minutes from meeting of June 8th, 1972
2. Accounts
3. Statement of Expenditures to June 30th, 1972
4. Correspondence:
 - (a) City of Kelowna - Re: Appointment of alternate to Mayor Roth.
 - (b) T. Gopde M.P. - Burnaby - Richmond - Delta
Re: Canadian Environment Week.
 - (c) Minister of Transport: Re: Financing Public Boating Facilities.
 - (d) Okanagan-Similkameen Parks Society- Re: Nutrient Output from Bear, Whitemans and Shorts Creek.
 - (e) Village of Osoyoos - Re: Nutrient inflow to Osoyoos Lake from Communities upstream.
 - (f) G. Sinclair - Re: Public Involvement Program Okanagan Basin Study.
 - (g) Alec H. Turner - Deputy Minister of Agriculture - Re: Regulation of Cattle Feed Pens.
 - (h) Canamara Beach Motel - Re: Stream Contamination.
 - (i) Summerland Yacht Club- Re: Aquatic Weeds within Yacht Basin .
- other letters & phone calls
 - (j) Summerland - Re: Trout Cr. Flooding
 - (k) V. Raudsepp Telegram
5. Report - Aquatic Weed Control - Slides.
- Letter Dept of Agric & Dept of Environ. (Livestock Farm Research)
- " " of Lands & Water Resources. (structures)
6. Applications for Pollution Control Permits:
 - (a) MacDonalds Consolidated Ltd. - Letter from V. Raudsepp concerning Water Board objection.
 - (b) Corporation of the Village of Oliver.
6. Applications for Pollution Control Permits:
 - (a) MacDonalds Consolidated Ltd. - Letter from V. Raudsepp concerning Water Board objection.
 - (b) Corporation of the Village of Oliver.
 - (c) Empire Acceptance Corporation.
7. Public Inquiries - Re: Waste Discharges Sponsored by the Pollution Control Branch.



OKANAGAN BASIN WATER BOARD

OFFICE OF
THE SECRETARY-MANAGER
540 GROVES AVENUE
KELOWNA, BRITISH COLUMBIA
TELEPHONE (604) 763-4918

OKANAGAN BASIN WATER BOARD

N O T I C E

A regular meeting of the Okanagan Basin Water Board during the month of July will not be required.

During the summer period meetings will be called at the discretion of the Chairman depending upon the urgency of current business. Ample notice will be given.

L. Bawtree,
Chairman.

June 27, 1972.



OKANAGAN BASIN WATER BOARD

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OKANAGAN BASIN WATER BOARD

N O T I C E

A regular meeting of the Okanagan Basin Water Board during the month of July will not be required.

During the summer period meetings will be called at the discretion of the Chairman depending upon the urgency of current business. Ample notice will be given.

The Chairman and Secretary-Manager will meet with several members of the Okanagan Basin Study during July for a briefing session.

A copy of a proposed research project to be undertaken concurrently with aquatic weed harvesting on the North Arm of Okanagan Lake is enclosed for your information.

L. Bawtree
Chairman.

June 27, 1972



OKANAGAN BASIN WATER BOARD

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540 GROVES AVENUE
KELOWNA, BRITISH COLUMBIA
TELEPHONE (604) 763-4918

OKANAGAN BASIN WATER BOARD

N O T I C E

A regular meeting of the Okanagan Basin Water Board will be held on THURSDAY, SEPT-
EMBER 7, 1972 at 2:00 p.m. in the office of the Regional District of Central Okanagan, 540-Groves Avenue, Kelowna.

W. Parchomchuk,
Secretary-Manager.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD
SEPTEMBER 7, 1972, 2:00 p.m. IN THE OFFICES OF THE REGIONAL
DISTRICT OF CENTRAL OKANAGAN, KELOWNA, B.C.

Present: L. Bawtree (Chairman) R.D.N.O.
P. Duke R.D.N.O.
W.C. Bennett R.D.C.O.
G.V. Lawrence R.D.O.S.
R.W. Sturgess (Alternate) R.D.O.S.

Also in Attendance:

B. Harvey	Manager, Vernon Irrigation District
J. Hamilton	Engineer, City of Penticton
G. Huva	District Lands Branch Inspector
J. Connelly	Planning Director R.D.N.O.
F. Snowsell	Resident
J.E. Kerr	R.D.C.S.
W. Stewart	Stewart Nurseries

Press and Radio:

Kelowna Courier; Vernon News; CKIQ Radio

Minutes: Bennett-Duke:

That the Minutes of the meeting of June 8th, 1972 be adopted as circulated.

CARRIED

Accounts: The Secretary-Manager presented accounts outstanding totalling \$667.63.

Bennett-Lawrence:

That the above accounts totalling \$667.63 be paid.

CARRIED

Financial Statements: The Secretary-Manager presented the statement of expenditures for the six months ending June 30th, 1972. Total expenditures to date were \$10,533.

Bennett-Sturgess:

That the financial statements as presented be accepted.

CARRIED

Correspondence:

W.J.C. Kane

Alternate:

The following letters were presented:

1. Letter from the City of Kelowna appointing Alderman W.J.C. Kane as alternate to Mayor Hilbert Roth representing the City of Kelowna on the Water Board for the balance of the year 1972.

Canadian Environment/Week: 2. Letter from Tom Goodo M.P. Burnaby-Richmond-Delta explaining that the Governor-General gave Royal assent to a Bill which designated the second week in October of every year as Canadian Environment Week. The Okanagan Basin Water Board was encouraged to observe this special week which would be October 8th - 14th this year.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD
HELD SEPTEMBER 7th, 1972.

2.

Licence
Fee
Boaters:

3. Letter from the Minister of Transport to Mr. Doug Stewart, M.P. stating that the Ministry of Transport had recently initiated a study concerning the possibility of charging boaters an annual licence fee to meet the costs of wharves, sani-stations and other boating facilities. This method of financing had been suggested by the Okanagan Basin Water Board.

Okanagan
Similkameen
Parks Society,
Nutrients
From
Logging:

4. Letter from the Okanagan-Similkameen Parks Society drawing attention to the possibility of high nutrient output from large clear-cut logged over areas on Bear, Whiteman's and Shorts Creeks.

The Secretary-Manager explained that in the years immediately following logging, in large patches, nutrient leaching and erosion of soils is likely to be greatest. This could account for the recent high nutrient content in Shorts Creek.

The Chairman mentioned that the maximum size of clear-cut areas would now be 40 acres under new forestry regulations.

Mr. Bennett suggested that a copy of the letter be forwarded to the Okanagan Basin Study.

Village of
Osoyoos Re:
Waste
Discharges of
Up Stream of
Osoyoos
Lake:

5. Letter from the village of Osoyoos expressing concern over nutrient inflow to Osoyoos Lake from communities up stream: The village was concerned for the deterioration of water quality in Lake Osoyoos as a result of effluents placed into receiving water up stream. Mr. Sturgess explained that the sewage treatment plant currently operated by the Village of Oliver met Provincial requirements for pollution control. He recalled that the Village had reviewed the possibility of a pilot land disposal scheme for sewage effluent under the Okanagan Basin Study.

The Secretary-Manager commented that an attractive site for the disposal of sewage effluent on land existed near Oliver.

Mr. Bennett encouraged the Board not to loose sight of removing all effluent discharges from the Okanagan Lake and River system.

Public
Involvement
Program
Okanagan
Basin
Study:

6. Letter from G. Sinclair stating that the major alterations and revisions in the public involvement program under the Okanagan Basin Study were now nearly complete.

An interest based planning model will be used in a public involvement program expected to be undertaken this fall. The public involvement process will be explained to the Chairman of each Regional District. The Water Board will automatically receive an outline of the program.

The Chairman informed that Mr. Sinclair had already been to the Regional District of North Okanagan to explain the manner in which he would organize interest groups throughout the Valley for input to the Okanagan Basin Study.

H. Turner
Department
of Agriculture
Re:
Feedpens:

7. Letter from Alec H. Turner, Deputy Minister of Agriculture, in reply to an Okanagan Basin Water Board letter concerning regulation of cattle feedpens within streams and upon stream banks. Mr. Turner explained that the Department of Agriculture has been working closely with farmers in the Province in the area of agricultural waste management. The Okanagan Basin Water Board letter suggesting regulations for the operation of cattle feedpens had been sent to the executive of the B.C. Beef Growers Association.

The Secretary-Manager reviewed past correspondence which had been directed in this regard to the Pollution Control Branch, asking the Branch to inspect and regulate outstanding cases of water contamination where cattle were directly involved. The Pollution Control Branch had inspected those feedpens brought to the attention of the Branch by the Water Board; however, a further reply was not available.

The B.C. Beef Growers Association, in cooperation with the Department of Agriculture had established a committee to regulate feedpens near streams. A set of guidelines were drafted for this purpose. The Chairman, mentioned that he had received a copy of these guidelines, which essentially attempted to encourage the feeding of cattle away from streams. The Chairman suggested that a letter be forwarded to Gerard Guichon, Chairman of the Cattleman's Environment Committee, to see what controls and restrictions would be possible under this committee.

Canamara
Beach
Motel
Re: Stream
Contamination:

8. Letter from the Canamara Beach Motel to the Director Pollution Control Branch, drawing attention to the contaminated condition of a very small stream draining farm land and entering Okanagan Lake next to the Motel. An accumulation of organic debris and manure was experienced in some years, causing great inconvenience to the motel. The Secretary-Manager explained that he had inspected the creek and felt that there were several possible nutrient sources which could be responsible for the heavy algae growth in the creek. These sources included farm lands and septic tanks in adjacent densely populated tent and trailer parks. The Chairman suggested that this condition be reviewed in the field from all aspects, including cattle, septic tanks and motels.

Mr. Bennett suggested that he and the Secretary-Manager would make an in the field investigation of the creek.

Summerland
Yacht Club
Re: Aquatic
Weeds:

9. Letter from the Summerland Yacht Club asking the Water Board's assistance in having use of a weed harvester to remove heavy weed growth in the Yacht Club basin.

The Secretary-Manager explained that there had been many requests during the summer by telephone and by letter for assistance in removing nuisance aquatic weeds. These requests came as a result of news media coverage given to the aquatic weed harvesting program undertaken in the North Arm of Okanagan Lake. The Secretary-Manager had inspected the Summerland Yacht Basin weed problem, and found the condition to be almost intolerable for use by boaters. He suggested that during low water, a sheet of polyethelene be placed on the bottom of the Yacht Basin in an experimental attempt to control aquatic weeds. This could be done as a research project, jointly, by the Water Board and the Summerland Yacht Club.

Aquatic
Weed
Control:

Aquatic Weed Control Report:

The Secretary-Manager reported on the aquatic weed harvesting program which had been undertaken from July 15, to July 31st. on the North Bay of Okanagan Lake in cooperation with the Okanagan Basin Water Board, the Water Investigations Branch, the City of Vernon and local residents. Total cost of the project was \$6,333. 456 tons of wet aquatic weeds were removed from an area comprising 55 acres. Nitrogen and phosphorous analysis will be done on dry weed matter to determine nutrient content removed from the Lake.

A comprehensive research program to determine growth characteristics and controls for aquatic weeds was undertaken at the time of harvesting in cooperation with the Ecology Division of the Water Investigations Branch. Preliminary investigations indicate a strong possibility that sediments are equally or more important than nutrients in encouraging aquatic weed growth. Heavy silt loads carried into the lake by Vernon Creek in recent years may have contributed to the problem. Caution should be exercised in rechannelling and undertaking construction work in stream beds.

Fortunately a nursery nearby was interested in using a large volume of the aquatic weeds for mulching material. This helped to relieve disposal problems. Local residents also hauled weeds for garden use.

Harvesting aquatic weeds provided relief from the nuisance growth for at least the summer months. Swimming and water skiing was made possible in an area that otherwise would have been unusable. Harvesting has set the growth back so that it is not likely to reach water level again until late fall. The long term effects of harvesting will require several years to assess.

The program provided an excellent opportunity to inform residents in the field concerning Okanagan environmental problems. Extensive coverage was given by the news media.

A series of slides was presented showing the harvesting project and aquatic growth from the air.

The Secretary-Manager explained that with funds for the project from the Province of B.C., the City of Vernon, the Okanagan Basin Water Board, the Regional District of North Okanagan and local residents, that a sum would remain after covering costs.

The Chairman explained that the Regional District of North Okanagan had only offered to guarantee the project in the amount of \$500.00 if funds were not adequate from other sources. Since adequate funds were now available he suggested that the \$500.00 offered by the Regional District of North Okanagan be deleted from the source of funds.

Bennett-Duke:

That the \$500.00 guarantee recently offered by the Regional District of North Okanagan be deleted from harvesting funds and that the excess of funds over costs for the aquatic weed harvesting program remain with the Okanagan Basin Water Board.

CARRIED

The Chairman suggested that thought should be given to an aquatic weed harvesting program for next year.

Mr. Bennett suggested that a list be drafted of people wishing to have aquatic weeds harvested. However, the question of responsibility in this regard remains still to be settled with the Provincial Government.

The Chairman suggested that the Board continue researching the aquatic weed problem, and contact the new Minister of Lands, Forest and Water Resources for a continuing program in this regard.

The Secretary-Manager and the Chairman would contact the new Minister when he is appointed and would continue investigations for a continued aquatic weed harvesting program on a research basis.

The Secretary-Manager suggested that the Department of Lands, and the Water Rights Branch be contacted to inform them of possible aquatic weed growth originating from silts caused by rechannelling of streams and by construction of wharves, breakwaters and other structures on lake foreshores. This should be a consideration when reviewing foreshore leases and applications to rechannel streams.

Similarly the Department of Agriculture and the Department of the Environment should be contacted to encourage them to initiate research on uses for aquatic weeds as livestock feed. The Board agreed to this correspondence.

MacDonalds

Consolidated: Applications for Pollution Control Permits:

1. A letter from V. Raudsepp, Chairman of the Pollution Control Board, concerning the Okanagan Basin Water Board objection to MacDonalds Consolidated application for a pollution control permit to discharge treated cannery effluent to Okanagan Lake was read. The Water Board, by letter of June 15th, had asked the Pollution Control Board to reconsider its decision not to accept the previous objection of the Okanagan Basin Water Board as a formal objection under the Pollution Control Act. In his reply the Chairman of the Pollution Control Board mentioned there is no provision in the Pollution Control Act which allows the Board to reconsider a decision made under Section 13 (6) of the Act; therefore, the Board is not in the position to consider the letter of the Water Board. The Chairman of the Board mentioned that it was the Board's understanding the application by MacDonalds Consolidated was based upon the installation of treatment facilities which will result in an effluent quality equivalent to that discharged by the City of Kelowna, and the discharge into Brandt's Creek from the proposed trade waste treatment plant.

The Board expressed concern over the Pollution Control Board's attitude concerning the Water Board's objections to wastes discharged to Okanagan Lake, and agreed that a stern letter be forwarded to the Pollution Control Board concerning the MacDonalds Consolidated application.

Bennett-Lawrence:

That a strong letter, signed by the Chairman of the Water Board, be forwarded to the Pollution Control Board indicating the Water Board's unanimous objection to the application as submitted by MacDonalds Consolidated, and stating that the objection is made on the basis that nitrogen and phosphorous will be discharged to Okanagan Lake.

CARRIED

Village
of
Oliver:

2. Application by the Corporation of the Village of Oliver to discharge refuse from dwellings, industrial and business premises onto a site to be maintained as a Sanitary Landfill.

The Secretary-Manager informed that he had visited the proposed site, and suggested that a restriction be made so that refuse is not dumped into a wet draw transecting the proposed site. Dumping should be confined to that area removed from the draw.

Bennett-Lawrence:

That the Okanagan Basin Water Board does not object to the application by the Corporation of the Village of Oliver, except that a restriction be placed upon the dumping of refuse within the draw transecting the refuse disposal site.

CARRIED

Empire
Acceptance
Corporat-
ion:

3. Application by Empire Acceptance Corporation Ltd., to discharge effluent from a motel and hotel complex located at Rutland into the ground: The quantity of effluent to be discharged over a 24-hour period would be 30,000 gallons average. The type of treatment to be applied to the waste before discharge would be extended aeration and chlorination followed by discharge into the ground through field drains.

The Secretary-Manager explained that the Okanagan Basin Water Board and Technical Committee had reviewed several applications of this nature in the Rutland area in the past and concluded that effects on groundwater quality although not entirely known, were suspect. Alternate disposal systems were not presently available. Recent studies by the South Okanagan Health Unit indicate high nitrogen levels in Rutland area wells.

Mr. Bennett informed that the Board of the Regional District of Central Okanagan had also reviewed this permit application and found that they had no objections.

The Chairman asked whether the practise of discharging effluent to the ground in increasingly heavily populated areas could continue indefinitely. Mr. Bennett suggested that in the near future these effluent discharges will have to be tied into a sewage treatment facility.

Bennett-Sturgess:

That there be no objection to the application for a pollution control permit as submitted by Empire Acceptance Corporation Ltd.,

CARRIED

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER
BOARD HELD SEPTEMBER 7th, 1972. 7.

Mayor Duke dismissed himself from the meeting.

Septic Tank Regulations: The Chairman informed that the Regional District of North Okanagan had requested certain alterations to septic tank regulations to restrict development of housing on land subject to a high water table. He mentioned that only a slight amendment to the health regulations were required to change restrictions for the placement of septic tanks to four feet above the groundwater level of 1972, rather than four feet above the ground water level at any time.

Bennett-Lawrence:

That a letter be written requesting a change in regulations to the Health Act forbidding the placement of septic tanks within four feet of the maximum water level of 1972.

CARRIED

Public Inquiries:

Inquiry - The Secretary-Manager informed the Board that the Food Process-Pollution Control Branch would be sponsoring public ing and inquiries into waste discharges originating from food Agriculturally processing and agriculturally oriented industries, and Oriented into waste discharges to water and land and air originat- Industries: ing from municipalities or other sources where wastes such as domestic sewage or refuse are involved. The Secretary-Manager mentioned that the inquiry into waste discharges from food processing and agriculturally oriented industries would be held in Kamloops on November seventh (7). The inquiry is being held to consider the technical matters bearing upon and to determine the measures which must be adopted by the food processing and agriculturally oriented industries to ensure that pollution will not be caused. The nature of this inquiry is highly technical. The deadline for a submission is September 15th, 1972.

The Secretary-Manager informed that he had gathered considerable technical information on the subject from U.S. and local sources and was prepared to write a brief in the remaining short time for submission to the inquiry if the Water Board desired a submission to be made. An outline indicating the items that could be mentioned in the submission was presented to the Board.

Bennett-Sturgess:

That the Okanagan Basin Water Board submit a brief to the inquiry into waste discharges from food processing and agriculturally oriented industries.

CARRIED

A copy of the brief would be mailed to Board members for approval before the next meeting.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER
BOARD HELD SEPTEMBER 7th, 1972. 8.

The Board was also informed that a similar public inquiry will be held regarding municipal type wastes. The inquiry would be held in Vancouver on April 30th. 1973.

The Board agreed that a brief should be submitted to this inquiry as well. A copy of the brief should be prepared for the Board to review before submission.

Procedure: OTHER BUSINESS:

Applications

For

Pollution

Control

Permits:

Mr. Kerr mentioned the Regional District of Columbia Shuswap was particularly concerned over the long time delays in the granting of permits to local municipalities for Sanitary Landfills. He asked that attempts be made to speed up the application process. This would be mentioned when the Chairman and Secretary-Manager meet with the new Minister of Lands, Forests and Water Resources.

The meeting adjourned at 4:20 p.m.

MINUTES MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE
OKANAGAN BASIN WATER BOARD, THURSDAY OCTOBER 5th,
1972, 3:45 p.m. OFFICES OF THE REGIONAL DISTRICT OF
CENTRAL OKANAGAN. KELOWNA

Present: S. Fleming (alternate) R.D.N.O.
P. Farmer R.D.O.S.
L. Bawtree R.D.N.O.
W.C. Bennett R.D.C.O.
P. Duke R.D.N.O.
M. Marshall R.D.C.O.
W. Parchomchuk

1973
Provisional
Budget:

The Chairman mentioned the purpose of the meeting would be to review the Okanagan Basin Water Board Provisional Budget for the year 1973.

Part Time
Secretary:

The Chairman asked Mr. Bennett to explain the need for hiring of a new part-time Secretary by the Water Board.

The Secretary would be paid by the Water Board and would do the work of the Board only; however, she would still be hired on the books of the Regional District of Central Okanagan for payroll convenience.

Mr. Bennett explained that the work load of the Okanagan Basin Water Board office had increased to a point where the Secretary being used part time from the Regional District of Central Okanagan could no longer handle the work load. It was necessary to hire a separate part time Secretary. The Secretary would be responsible for all work originating from the Okanagan Basin Water Board. The Chairman felt that sharing of a Secretary available throughout the day would be a better arrangement for the Water Board.

The Secretary's wages would remain at \$2,400.00 per year; however, employee benefits would be required in addition since the Secretary would be an employee of the Board. Mr. Farmer requested that the budget show the total cost of the Secretary including employee benefits in one lump sum rather than indicating benefits separately.

The Secretary-Manager indicated that there will be approximately \$1,500. surplus at the end of 1972. Approximately \$600.00 surplus would be left in the Research budget.

Research
Fund:

Mayor Fleming proposed that a reserve fund be established under the Research budget whereby any surplus remaining in the Research budget this year be added onto next years budget so that a fund could be built up from year to year. Most of this years Research budget was recovered. The Board agreed that the amount budgeted for Research for 1973 should remain at \$1,000. Any surplus left in the 1972 budget under Research should be added onto the 1973 fund to create a Research reserve.

Salary of
Secretary-
Manager:

The Chairman mentioned the salary of the Secretary-Manager as proposed was approximately 8.7% above last year. Mayor Fleming mentioned that he had recently been involved in Municipal labour negotiations. The proposed

MINUTES MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE
OKANAGAN BASIN WATER BOARD, OCTOBER 5th, 1972 2.

salary and rate of increase shown in the budget was definitely in line with salaries of municipal administrative personnel in the same category. The salary requested by the Secretary-Manager was not excessive. Mr. Fleming felt that a reasonable budget had been presented. He felt that at a future date the terms of reference of the Secretary-Manager should be drawn up and defined. The job should be related to the nearest equivalent position in the Regional or Municipal function. The nature of the work should be defined and required qualifications outlined.

The Secretary-Manager mentioned the nature of the work was greatly diversified from day to day and involved a wide range of tasks. A job description could be difficult.

The Secretary-Manager asked the Board to relay to him any areas of policy, or work which they wished him to pursue in the future so that the wishes of the Board could more closely be identified and met.

Mr. Bennett felt that Regional Districts and other Municipal offices, should request the Secretary-Manager to explain to them the work of the Board during the past year.

Mayor Fleming mentioned the Secretary-Manager had spent considerable time in the field in the Vernon area working with various Departments of the City on aquatic weed control. Field work is not always easily recognized.

Farmer-Fleming

That the budget as presented and corrected be accepted as the Provisional Budget of the Water Board for 1973.

CARRIED

The budget will now be presented to the Regional Districts for approval.

The meeting adjourned at 4:20 p.m.

OKANAGAN BASIN WATER BOARD

A G E N D A

THURSDAY OCTOBER 5, 1972 - 2:00 p.m.

1. Minutes from meeting of September 7, 1972
2. Accounts
 - Membership Canadian Water Resource Association
3. Correspondence:
 - a) Regional District of Central Okanagan -
Re: Slash Burning.
 - b) G. Sinclair, Okanagan Basin Study -
Re: "Task Forces" Okanagan Basin Study.
 - * c) Hembark Industries Limited - *- Wat Res. interested in use research*
Re: Processing Aquatic Weeds. *Submit Proposal*
- met with Minister of Agriculture
 - d) T.W. Oxley - Several items of correspondence relating to lake levels, foreshore boundaries, foreshore structures and water licences etc.
4. Applications for Pollution Control Permits:
 - a) Coldstream Ranch
5. Regulation of stream channel diversions
 - Seek prior approval*
 - Siltation & Woods, Unstable banks left*
 - Downstream effects were not known*
 - Humus Rich Soil*
 - Letter to Cities & Municipalities*
 - Consult District Engineer*
6. Submission to the Public Inquiry into Waste Discharges from the Food Processing and Agriculturally oriented industries.
7. Other Business.
 - Committee meeting*
 - arrangate for section*
7. Other Business.
 - Committee meeting*
 - arrangate for section*

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD
OCTOBER 5th, 1972, 2:00 p.m. IN THE OFFICES OF THE
REGIONAL DISTRICT OF CENTRAL OKANAGAN, KELOWNA, B.C.

Present: L. Bawtree (Chairman) N.O.R.D.
P. Duke N.O.R.D.
S. Fleming (Alternate) N.O.R.D.
P. Farmer R.D.O.S.
W.C. Bennett R.D.C.O.
M. Marshall R.D.C.O.

Also in Attendance:

E. Anthony District Engineer, Water Rights Branch
H. Thomson Planning Director, R.D.O.S.
J. Hamilton Engineer, City of Penticton
F. Snowsell, Resident, City of Kelowna
M. Thomson Director Okanagan Basin Study
G. Sinclair Okanagan Basin Study
Brian Haley Okanagan Basin Study
Ivor Jackson Observer Peachland

Press and Radio:

Vernon News; Kelowna Courier; CKOK Radio; CKOV Radio;
CKIQ Radio.

Minutes: Bennett-Duke

That the minutes of the meeting of September 7,
1972, be adopted as circulated.

CARRIED

Accounts: The Secretary-Manager presented accounts outstanding
totalling \$125.66.

Farmer-Bennett

That the above accounts totalling \$125.66
be paid.

CARRIED

Canadian
Water Resources The Secretary-Manager mentioned that the Water Board
Association Membership in the Canadian Water Resources Association
Membership: required renewal. Membership fee would be \$10.00.

Bennett-Farmer

That the Okanagan Basin Water Board continue its
membership with the Canadian Water Resources Association,

CARRIED

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER
BOARD OCTOBER 5th, 1972

2.

Correspondence

Regional
District of
Central
Okanagan Re:
Slash Burning

The following letters were presented to the Board.

1. Letter from the Regional District of Central Okanagan dated September 22nd, 1972, expressing concern by some members of that Regional District over recent smoke conditions created by slash burning in surrounding forests. The Regional District had decided to refer this subject to the Okanagan Basin Water Board for study and recommendations.

Mr. Farmer suggested that it was incorrect to direct this subject to the Water Board since the Board is an agency dealing only with the water resource and not air pollution. Slash burning is done upon Crown lands within the Crown forests and is therefore under jurisdiction of the Department of Lands, Forests and Water Resources. Complaints should be directed to the Minister of Lands, Forests and Water Resources.

The Chairman mentioned that over-mature cedar hemlock stands, which create the greatest debris problem, are now being depleted, and therefore it is likely that as much slash burning will not be required in the future. Dry slash left on the ground will burn sooner or later. Controlled burning is a method of reducing fire hazard and consequent smoke.

Mr. Bennett suggested that these observations be conveyed to the Regional District by letter.

G. Sinclair
Public
Involvement
Coordinator
Re: Task
Force:

2. Letter of September 19th, 1972, from Mr. G. Sinclair, Public Involvement Coordinator, Okanagan Basin Study. The letter described the establishment of a Technical Task Force in the Valley which would review technical information provided by the Okanagan Basin Study. This review would help other Task forces in the Valley in determining alternatives regarding choices for future water management in the Okanagan. Mr. Sinclair was inviting the Secretary-Manager to serve on this Task force. The first meeting was scheduled for October 5th, 1972. There would be approximately five meetings of the Task Force between October and June

The Secretary-Manager mentioned that he had to-day attended the first meeting of the Technical Task Force. The Task Force would provide an excellent opportunity for local technical personnel to review information now being assembled by the Okanagan Basin Study. Local input would be provided for study reports currently being submitted.

Mr. Sinclair explained the organization of the Task Forces throughout the Valley.

Bennett-Farmer

That the Secretary-Manager attend the meetings of the Technical Task Force.

CARRIED

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER
BOARD OCTOBER 5th, 1972

3.

Hembark
Industries
Ltd. Re:
Analysis of
Aquatic
Weeds.

3. Letter of September 12, 1972, from Hembark Industries Ltd. Hembark Industries Ltd were interested in obtaining a chemical analysis of aquatic weeds harvested in the North Arm of Okanagan Lake. The company has a plant to process lawn and garden organic products; and are interested in materials that may help improve the quality of their product.

The Secretary-Manager mentioned that considerable progress was now being made in encouraging different agencies to investigate the possibilities of using harvested aquatic weeds for agricultural purposes including cattle feed. The Water Investigations Branch may co-operate in research in this direction.

The Secretary-Manager and Chairman had met with the Minister of Agriculture on October 4th, to encourage the Department to research uses for aquatic weeds.

Meeting
October 4th,
Minister of
Agriculture
Re: Aquatic
Weeds.

The Chairman reported on this meeting. He had outlined the weed harvesting project to the Minister and asked that the Department of Agriculture seriously consider pursuing a research program to find methods of processing the aquatic weeds for use in the cattle industry. This would help to offset harvesting costs; particularly if harvesting should be done on an annual basis. The Minister had shown interest in the proposal.

The Chairman mentioned that the Board should continue to pursue research projects on aquatic weeds.

T.W. Oxley
Correspon-
dence.

4. A series of letters from Mr. T.W. Oxley, Director of Electoral Area "A" of the Regional District of North Okanagan:- The Secretary-Manager explained that he had received and answered a series of letters from Mr. Oxley on questions concerning Okanagan Water Resource Management, property boundaries relative to high water, lake elevations, foreshore structures, and water licences, etc. The Secretary-Manager had answered all correspondence after considerable research with the Water Resource Service, the Lands Branch, and other information sources. However, additional correspondence was received requiring more and more detail on items where other government agencies rather than the Okanagan Basin Water Board set policy. This correspondence was time consuming and required considerable research.

The Chairman suggested that Mr. Oxley's correspondence be directed through the Regional District of North Okanagan, and future items brought before the Water Board for reply.

Bennett-Farmer

That future correspondence of this nature be brought before the Water Board to determine whether or not a reply should be sent.

CARRIED

Applications for Pollution Control Permits

Coldstream
Ranch:

An application for a pollution control permit was submitted by Coldstream Ranch to discharge effluent from a farm dairy into Coldstream Creek. The average annual daily discharge would be 55 imperial gallons.

The Secretary-Manager had visited the site with the Ranch manager. The Ranch has given good indication that they will instal a septic tank and tile field rather than continue a direct discharge to Coldstream Creek as indicated in the application for a pollution control permit.

Mr. Bennett explained that if the application stated that there would be a direct discharge to the creek, the Water Board should object to this discharge. A new application for a drain field would have to be made before the Board could comment further.

Bennett-Marshall

That the Okanagan Basin Water Board object to the direct discharge of dairy effluent to Coldstream Creek by Coldstream Ranch Ltd.

CARRIED

Stream Channel Diversions

The Secretary-Manager explained to the Board that During recent field investigations he had noted extensive diversions of stream channels for construction projects and channel alignment. There appeared to be very little regulation of diversions. In most cases, no attempt had been made to stabilize stream banks after diversion. Unstable banks have been eroded and have created downstream siltation problems. Municipalities and private individuals contemplating stream diversions should be informed of possible downstream consequences. Recent research strongly indicates that siltation of Lake bottoms resulting from erosion of organically rich soil provides an excellent bed for the growth of aquatic weeds.

Mr. Bawtree stressed that changes in and about a channel should be done only under permit. Mr. Jackson drew the Board's attention to siltation problems that developed in Deep Creek as a result of channel work.

Mr. Bennett asked Mr. Anthony if permits were required for channel diversions. Mr. Anthony replied that regulations for stream diversions were available under the Water Act, however it was a matter of the degree to which these regulations could be applied. The limited staff of the Water Rights Branch does not permit investigation of all minor work contemplated in a stream. Basic channel work within the City of Vernon was done with a good intention in mind; however, the consequences were not anticipated. Normally the Water Rights Branch will

consult with City and other local engineers on work they contemplate doing. Private individuals applying for channel diversions are asked to consult an engineer. Work done about the channel is inspected later.

The Secretary-Manager would write Municipalities and other agencies informing them of possible consequences of diversion work; and would ask them to be alert to situations which may cause silting of streams.

Filing of
Lake
Foreshore:

The Chairman asked Mr. Anthony whether there were regulations regarding filling of the lake foreshore fronting private properties, thereby expanding property boundaries. Mr. Anthony replied that if private property boundaries extend into water, the owner would be permitted to fill up to his property boundary.

Public
Inquiry
Kamloops
November 7
1972:

Submission to Inquiry into Waste Discharges from
Food Processing and Agriculturally Oriented Industries.

The Secretary-Manager presented the completed copy of a Submission, which had been forwarded to the Pollution Control Branch, for presentation at the Public Inquiry into waste discharges from food processing and agriculturally oriented industries. The inquiry is to be held in Kamloops on November 7th. The Board had previously been given copies of the Brief to review. The Brief covered canneries, wineries, dairies and feedlots. The amount of wastes imminating from these sources was mentioned. The characteristics of the waste, possible effects on receiving water quality, and methods of reducing this waste were described in the Brief. Local examples of water quality deterioration as a result of food processing and agricultural practises were mentioned.

Mr. Marshall suggested that the Brief dealt heavily on agricultural wastes. He felt that Municipal wastes should also be mentioned. The Chairman informed that Municipal wastes would be covered in a separate Brief to be submitted in April.

Bennett-Farmer

That the Brief on Waste Discharges from Food Processing and Agriculturally Oriented Industries be submitted to the Inquiry to be held in Kamloops November 7th, 1972.

CARRIED

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER
BOARD, OCTOBER 5th, 1972 6.

Licence
Applications
Re: K-Bar
Ranches Ltd:

Other Business

Mr. Bennett noted that some of the lands owned by K-Bar Ranches Ltd. have been sold. He asked Mr. Anthony whether the licence applications made by K-Bar Ranches, some time ago, had been granted. Mr. Anthony replied that the Comptroller had sent K-Bar Ranches an intention to grant the licences; however, he was holding the licences in abeyance until sufficient engineering data had been submitted. The engineering data has not been submitted by the applicant.

Mr. Bennett asked whether there were other large licence applications of which the Board should be made aware. Mr. Anthony indicated that several large licence applications were being held in abeyance. The Secretary-Manager asked whether the Bow-Park licence applications would be reviewed by the Board and the District Engineer. Mr. Anthony replied these licences were also still in abeyance and very little information was presently available.

Mr. Snowsell
Re: ARDA
Developments:

Mr. Snowsell asked if the Water Board was concerned with ARDA Developments. Mr. Farmer replied that the Board was not involved directly in ARDA.

The Chairman pointed out that the Water Board was only concerned with ARDA projects in so far as large diversions of water were concerned. Involvement of the Board would end after the time of diversion.

Okanagan
Basin
Study Re:
Task
Reports:

Mr. Thomson, Director of the Okanagan Basin Study mentioned that about ten Task Reports under the Study have now been printed and are available for distribution. He had brought several sets for the Water Board office. Copies of printed reports will be distributed to Regional Libraries, Regional Districts, High Schools, major cities, and the three Universities. A booklet on available reports will be printed. Another six reports are currently being printed, and an additional ten reports should be available by November.

The Secretary-Manager asked whether a single copy of each report would be made available to the Water Board, prior to publication, according to the agreement reached between the Study Committee and the Water Board last year. Involvement of the Water Board in local Water Resource Management necessitates that the Board have access to information as soon as it comes available rather than waiting until reports be distributed to the entire general public.

Mr. Thomson mentioned that original copies of reports are available for study at the Okanagan Study office.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER
BOARD, OCTOBER 5th, 1972

7.

Mr. Thomson mentioned that the Okanagan Basin Study is now at the evaluation stage. Projections of water management alternatives to 1980 have now been made. These are currently being reviewed.

Mr. Farmer moved that the meeting adjourn.

The meeting adjourned at 3:30 p.m.

MINUTES MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE
OKANAGAN BASIN WATER BOARD, THURSDAY OCTOBER 5th,
1972, 3:45 p.m. OFFICES OF THE REGIONAL DISTRICT OF
CENTRAL OKANAGAN. KELOWNA

Present: S. Fleming (alternate) R.D.N.O.
P. Farmer R.D.O.S.
L. Bawtree R.D.N.O.
W.C. Bennett R.D.C.O.
P. Duke R.D.N.O.
M. Marshall R.D.C.O.
W. Parchomchuk

1973
Provisional Budget: The Chairman mentioned the purpose of the meeting would be to review the Okanagan Basin Water Board Provisional Budget for the year 1973.

Part Time
Secretary: The Chairman asked Mr. Bennett to explain the need for hiring of a new part-time Secretary by the Water Board.

The Secretary would be paid by the Water Board and would do the work of the Board only; however, she would still be hired on the books of the Regional District of Central Okanagan for payroll convenience.

Mr. Bennett explained that the work load of the Okanagan Basin Water Board office had increased to a point where the Secretary being used part time from the Regional District of Central Okanagan could no longer handle the work load. It was necessary to hire a separate part time Secretary. The Secretary would be responsible for all work originating from the Okanagan Basin Water Board. The Chairman felt that sharing of a Secretary available throughout the day would be a better arrangement for the Water Board.

The Secretary's wages would remain at \$2,400.00 per year; however, employee benefits would be required in addition since the Secretary would be an employee of the Board. Mr. Farmer requested that the budget show the total cost of the Secretary including employee benefits in one lump sum rather than indicating benefits separately.

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Research
Fund: Mayor Fleming proposed that a reserve fund be established under the Research budget whereby any surplus remaining in the Research budget this year be added onto next years budget so that a fund could be built up from year to year. Most of this years Research budget was recovered. The Board agreed that the amount budgeted for Research for 1973 should remain at \$1,000. Any surplus left in the 1972 budget under Research should be added onto the 1973 fund to create a Research reserve.

Salary of
Secretary-
Manager: The Chairman mentioned the salary of the Secretary-Manager as proposed was approximately 8.7% above last year. Mayor Fleming mentioned that he had recently been involved in Municipal labour negotiations. The proposed

MINUTES MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE
OKANAGAN BASIN WATER BOARD, OCTOBER 5th, 1972 2.

salary and rate of increase shown in the budget was definitely in line with salaries of municipal administrative personnel in the same category. The salary requested by the Secretary-Manager was not excessive. Mr. Fleming felt that a reasonable budget had been presented. He felt that at a future date the terms of reference of the Secretary-Manager should be drawn up and defined. The job should be related to the nearest equivalent position in the Regional or Municipal function. The nature of the work should be defined and required qualifications outlined.

The Secretary-Manager mentioned the nature of the work was greatly diversified from day to day and involved a wide range of tasks. A job description could be difficult.

The Secretary-Manager asked the Board to relay to him any areas of policy, or work which they wished him to pursue in the future so that the wishes of the Board could more closely be identified and met.

Mr. Bennett felt that Regional Districts and other Municipal offices, should request the Secretary-Manager to explain to them the work of the Board during the past year.

Mayor Fleming mentioned the Secretary-Manager had spent considerable time in the field in the Vernon area working with various Departments of the City on aquatic weed control. Field work is not always easily recognized.

Farmer-Fleming

That the budget as presented and corrected be accepted as the Provisional Budget of the Water Board for 1973.

CARRIED

The budget will now be presented to the Regional Districts for approval.

The meeting adjourned at 4:20 p.m.

MINUTES OF THE MEETING OF THE OKANAGAN BASIN WATER BOARD
NOVEMBER 16th, 1972, 2:00 p.m. OFFICES OF THE
REGIONAL DISTRICT OF CENTRAL OKANAGAN, KELOWNA, B.C.

Present: L. Bawtree (Chairman N.O.R.D.
P. Duke N.O.R.D.
M. Marshall R.D.C.O.
G.V. Lawrence R.D.O.S.
G. Morrison N.O.R.D.
R.W. Sturgess R.D.O.S.
F. Laird R.D.O.S.

Also in attendance:

F. Snowsell Resident, City of Kelowna
G. Sinclair Okanagan Basin Study
Brian Haley Okanagan Basin Study

Press and Radio:

Vernon News; Kelowna Courier; CKOK Radio.

Minutes: Marshall - Sturgess

That the minutes of the meeting of October 5th, 1972,
be adopted as circulated.

CARRIED

Letters Patent Representation to Water Board: The chairman informed the board that **Letters** Patent have been amended for each of the three participating Regional Districts in the Board, permitting the appointment of a third representative, by each Regional Board, to the Okanagan Basin Water Board.

The Regional District of North Okanagan has appointed Mayor Stuart Fleming as the third representative from that Regional District. The Regional District of Central Okanagan has appointed Mayor Roth as the third voting member. A third member from the Regional District of Okanagan-Similkameen has not been named.

The chairman asked the Board whether they wish to increase the number of alternates from each Regional District to two rather than one presently. The Board decided that one alternate from each Regional District would be adequate.

Financial Statement: The Secretary-Manager presented a statement of expenditures for the nine months ended September 30th, 1972. Total expenditures for the first nine month period were \$15,633.00.

Duke - Lawrence

That the financial statement be received as presented.

CARRIED

Accounts: Accounts outstanding totalling \$265.92 were presented.

Sturgess - Marshall

That the above accounts totalling \$265.92 be paid.

CARRIED

Correspondence

The following letters were presented to the Board:

Stream
Siltation: 1. Letter of October 16th, 1972 from H.D. DeBeck, Comptroller of Water Rights concerning stream siltation resulting from works in an about creek channels. The Comptroller of Water Rights informed the Board that in view of increasing work being done on many channels the Water Rights Branch will be keeping a closer watch on this type of problem. The Water Rights Branch does take into consideration the undesireability of adding to the silt load of streams as a result of the relocation or improvement of stream channels.

Feedlots: 2. Letter from the British Columbia Cattlemen's Association of October 19th, 1972, informing that the Cattlemen's Association has now finalized guidelines for areas where cattle are over wintered. The Cattlemen's Association would be supporting recommendations as formulated by a management consultant with respect to feedlot areas.

The guidelines encourage the removal of cattle from streams for feeding. The Cattlemen's Association stated that enforcement of the guidelines would be undertaken by a Committee made up from members of the Beef Cattle Industry with assistance from the Provincial Department of Agriculture.

The Secretary-Manager mentioned that recommendations, by the Cattlemen's Association, recently presented at a Public Inquiry into the Food Processing and Agricultural Industries at Kamloops, were much in agreement with recommendations the Water Board had made concerning the setback of cattle from streams.

Septic Tank
Absorption
Fields: 3. Letter from D. Cocke, Minister of Health Services and Hospital Insurance acknowledging a Water Board letter of September 20th, 1972, in which the Board was concerned with the placement of septic tank absorption fields relative to past high water levels. The Minister indicated this topic would be coming up for discussion at the Health Officer's Council on October 17th. Some recommendations were likely to come from this meeting in particular with reference to division 7 of the regulations governing sewage disposal.

Mrs. Lawrence felt the matter of establishing past high water level for septic tank regulation required further explanation. If the present regulation were to be applied in the Village of Keremeos, septic tank absorption fields could not be permitted in the entire Village. The chairman suggested a follow up letter be written to ascertain how this section of the Act would be interpreted.

4. Letter from B.B. Migicovsky, Director General, Canada Department of Agriculture, in reply to an Okanagan Basin Water Board letter requesting that research be continued by the Department of Agriculture into uses of aquatic weeds for cattle fodder. The letter contained results from analysis of the same weed species grown in other areas. The Board was referred to Dr. J.R. Allen, Plant Science Section, Lethbridge Research Station; for advice on the control of aquatic weeds. Dr. J.E. Miltimore, Director of the Kamloops Research Station, Research Branch, Canada Department of

Agriculture was also interested in the problem and requested a sample of weeds for further analysis.

The Secretary-Manager had delivered a large sample of weeds to Kamloops for further analysis.

Mr. Marshall encouraged the Board to continue with research into methods for using aquatic weed for cattle. Attempts should be made at cutting the weed at various stages of growth to maximize protein content.

Procurement of
Aquatic Weed
Harvesting
Equipment:

The Chairman reported on a meeting that he and the Secretary-Manager recently had with the Honourable R.A. Williams, Minister of Lands, Forests, Water Resources and Conservation. During the meeting the Chairman had brought up the request of the three Regional Districts to become legal objectors under the Pollution Control Act. The Minister indicated this matter could be brought up during the spring Legislature.

The Chairman had also discussed the lengthy period required for processing applications made by municipalities for Pollution Control Permits. The Minister would investigate ways whereby delays could be reduced for the municipalities. More autonomy should be given the municipalities in handling their own permits.

The Chairman stated the main purpose of meeting with the Minister was to discuss a continuing program for the control of aquatic weeds. The Minister was not receptive to the idea of purchasing a machine for harvesting weeds in the entire Province; however, he would offer assistance in the continuation of a research program similar to that undertaken last year. The Chairman further indicated that the problem had been discussed with Directors of the affected area in the Regional District of North Okanagan. It was their opinion the best approach for controlling weeds was for the Province to purchase a machine and rent it out to any areas within the Province requiring weed harvesting. Difficulties are experienced in acquiring outside machines during the summer months when they are most needed. Costs of importing machines from outside the Province are high. Machines are often not available when required. In the past it has been necessary to make preparations for the entire weed harvesting program, without any assurance that funds or equipment would be available for the harvest itself.

The Secretary-Manager had been instructed to draft a copy of a letter to the Minister of Lands, Forests, Water Resources and Conservation stressing the need for an aquatic harvesting machine in the Province and urging the Province to purchase such a machine. A copy of the letter was read to the Board. Mr. Marshall agreed the best approach was to place a machine in the Province. Costs would escalate if machines are to be imported each time harvesting is required. The need to harvest twice annually would also be met if a machine were available.

Lawrence - Marshall

That a copy of the letter as read be sent to the Honourable R.A. Williams, Minister of Lands, Forests, Water Resources, and Conservation urging the Province of British Columbia to purchase a machine to harvest aquatic weeds within the Province.

CARRIED

Public Inquiry The Chairman mentioned that the Board, at a previous
into Municipal meeting, had decided to make a submission to the Public
Waste Discharges Inquiry into municipal discharges to be sponsored by the
April 30th, 1973: Pollution Control Branch. The Board had made submissions
at previous inquiries dealing with Industrial wastes.
Since many municipalities in the Valley are members of
the Okanagan Basin Water Board it is important to receive
the views of these municipalities in respect to the con-
tents of a brief to the Municipal Waste Inquiry. Techni-
cal information submitted will be used by the Pollution
Control Branch in drafting future guidelines for levels of
emissions from municipalities. The municipalities should
have an input to the contents of a brief.

Mr. Marshall indicated it would be important to find
out, first of all, if the municipalities themselves plan
on submitting briefs to the Inquiry.

Mayor Duke felt the brief should be in several parts
since larger cities employing more sophisticated waste treat-
ment methods would have to be considered separately from
very small municipalities and outlying rural urban areas.

The Chairman suggested that the problem of disposal
sites for municipal wastes be dealt with in the brief. He
cited an example of one city trying to purchase land for
disposal of municipal wastes but was facing difficulties
because of high speculative values placed on the land re-
quired. Society should review this aspect of land pricing
and the availability of the land for sewage disposal and
green belt.

Mayor Laird suggested that the Secretary-Manager draft
an outline of the contents of a brief for submission to the
Inquiry and mail it to members for consideration before
drafting a final brief.

Laird - Sturgess

That the Secretary - Manager draft rough guidelines for
approval by the Board and the municipalities for the next
meeting.

CARRIED

Other Business

Kalamalka - (a). The Secretary-Manager mentioned that a progress report
Wood Lake on the Kalamalka - Wood Lake Study has been out for some time
Report: now. A meeting would be held in Vernon on November 22nd, at
7:30 p.m. in the Secondary School to give the public an oppor-
tunity to review the report and have it explained by Members
of the Water Resources Service.

Report - Canada (b). The Chairman indicated that copies of a report intitlled
and the Human "Canada and the Human Environment" was available for distributi-
Environment: on to interested members. The report was a submission made by
the Government of Canada to the Conference on the Human Envir-
onment held in Stockholm, Sweden, June, 1972.

Okanagan Basin
Study
Implementation:

(c). The Chairman recalled the past concern the Okanagan Basin Water Board had expressed relative to implementation of the Okanagan Basin Study. A large volume of information being gathered by the Study could have a tendency to be shelved unless some thought is given to the implementation process even before the Study terminates. The Okanagan Basin Study report will give some indication as to alternatives for management, but there will be no indication given as to who will be responsible for interpretation and implementation. The Minister of Lands, Forests, and Water Resources has given indication that various agencies may be responsible for implementation.

The Chairman suggested that the Okanagan Basin Water Board should approach the senior levels of Government and encourage them to give some thought to implementation before the Study is completed.

Mr. Marshall thought that the Regional Districts would be responsible for some implementation of the Study through the Okanagan Basin Water Board.

Mr. Snowsell mentioned it would be difficult during implementation to talk about water only without considering related items such as, land use, population, forestry, etc. Scientists are merely hired to come up with technically sound information, then it is up to the public to decide what to do. The public is often apathetic in this respect.

Mrs. Lawrence felt the roll of the Regional Districts should be to relay part of the Study information to local interest groups. The Chairman mentioned that the public involvement program of the Okanagan Basin Study would be doing part of this work.

The Chairman suggested that the Okanagan Basin Water Board write Senior Government Ministers who are charged with the Okanagan Basin Study asking them what they foresee will become of the Okanagan Basin Study when it is complete; and who would be responsible for implementation.

Marshall - Lawrence

That a letter be sent to the Minister of Lands, Forests and Water Resources and to the Minister of the Environment expressing the Okanagan Basin Water Board concern for implementation of the Okanagan Basin Study.

CARRIED

Mayor Duke suggested that the Board also work on its own in the area to see what can be done locally as far as implementation.

G. Sinclair
Public
Involvement
Program:

(d). Mr. Glen Sinclair, Public Involvement Co-ordinator, Okanagan Basin Study, announced that a public seminar, relative to the Study would be held over the news media on November 30th. A panel will appear in the early evening on CHBC Television. The program will switch to Radio Stations later in the evening and continue until 10:00 p.m. An opportunity will be given the public to phone in questions and have these answered by a panel. The news media seminar will also provide an opportunity to explain to the public, questions which will be discussed over the next four months of the public involvement program.

Economic projections to the year 1980 should also be available by next week. During the next task force meetings, reports on some of the questions to be considered will be presented. During the next few months of the program, decisions should be made to which way residents of the Valley wish to have the Valley developed.

Next Meeting:

The Chairman suggested that if business should arise prior to December 7th that a meeting could be held in the afternoon prior to the meeting of the Political Task Force at 4:00 p.m. If there is no pressing business a meeting of the Water Board may not be called during December.

Mayor Laird moved that the meeting adjourn.

The meeting adjourned at 3:50 p.m.

Secretary-Manager

Chairman

No meeting held

December, 1972