

MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD  
JANUARY 30, 1976, 1:30 P.M., OFFICES OF THE REGIONAL DISTRICT  
OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

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Present

S.A. Fleming		R.D.N.O.
W.T. Gordon		R.D.N.O.
R.P. French	Alternate	R.D.N.O.
C.B. Day		R.D.C.O.
J.H. Stuart		R.D.C.O.
D.R. Booth	Alternate	R.D.C.O.
F. Colclough		R.D.O.S.
K.A. Kenyon		R.D.O.S.
K. Boothe		R.D.O.S.
W. Parchomchuk	Secretary-Manager	

Also Present

S. Buckler, Peachland  
T. Carter, Secretary, Assoc. of B.C. Irrigation Districts  
C. Dirk, Treasurer, City of Vernon  
A. Harrison, Administrator, R.D.C.O.  
G. Huva, Land Inspector, Dept. of Lands, Forests & Water Resources  
P. Mackiewich, Administrator, R.D.N.O.  
J. Rheume, Administrator, R.D.O.S.

Appoint-  
ment of  
Directors

Letters were read indicating appointment of Directors to the Water Board for the 1976 term as follows:

Regional District of North Okanagan:

S.A. Fleming  
R.W. Postill  
W.T. Gordon  
C. Kanester (Alternate)  
R.P. French (Alternate)

Regional District of Central Okanagan:

C.B. Day  
J.H. Stuart  
L.R. Dooley (Alternate)  
D.R. Booth (Alternate)  
(Also member from Peachland after election in February)

Regional District of Okanagan-Similkameen:

F. Colclough  
K. Boothe  
K.A. Kenyon  
J.R. Tait (Alternate)  
G. Butterfield (Alternate)

Day - D. Booth

That the above letters be received and filed.

CARRIED

Election  
of  
Officers

Mr. Fleming expressed gratitude to the members of the Board and others for their co-operation and regular attendance in the past year. He stated that there were many major decisions made and generally speaking, outstanding progress has been achieved through the Board's co-operation. The Province recently confirmed participation in a weed eradication program. He commended the Secretary-Manager for his substantial effort and dedication to the Water Board.

Chairman

Mr. Fleming indicated it was customary for the Board to rotate the Chairmanship between the Regional Districts annually. He opened nominations for Chairman.

Mr. Stuart nominated Mr. Colclough.

Further nominations were called for three times.

Mr. Day moved that nominations be closed.

Mr. Colclough was declared Chairman of the Board for 1976.

Vice-  
Chairman

Mayor Fleming indicated that the Chairman for 1977 would be from the Regional District of Central Okanagan. In following past policy, the Vice-chairman for this year should then be from that Regional District. He opened nominations for Vice-chairman.

Mr. Day nominated Mr. Stuart.

Further nominations were called for three times.

Mr. Colclough moved that nominations be closed.

Mr. Stuart was declared Vice-chairman of the Board for 1976.

Mr. Colclough thanked the Board for his nomination. He indicated that although the past year had been one of negotiation and some frustration, much had been accomplished. He thanked the outgoing Chairman for the large amount of work he had accomplished during the past year.

Mr. Stuart moved a vote of thanks to the outgoing Chairman.

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Mr. Fleming informed the Board that Mr. T. Moore of Municipal Affairs was to attend the Board meeting in place of Mr. C. Woodward but could not come as a result of fog and air traffic cancellation.

Minutes

Stuart - K. Boothe

That the minutes from the meetings of October 9, 1975 and November 6, 1975 be adopted as circulated.

CARRIED

Accounts The Secretary-Manager presented accounts outstanding to January 30, 1976 totalling \$881.45.

K. Boothe - Day

That the accounts be received.

CARRIED

Appoint- Letters indicating the appointment of Observers were presented as  
ment of follows:  
Observers

- a) Association of B.C. Irrigation Districts  
- T.R. Carter
- b) Village of Oliver  
- Mayor L.M. McKinnon and Alderman C. Miller
- c) City of Vernon  
- Mayor Fleming, D.S. McKay, L.E. Walton
- d) R.D.C.O. (City of Kelowna)  
- Mayor W.O. Treadgold
- e) Peachland  
- S. Buckler
- f) Penticton Indian Band  
- letter indicating they would not be able to attend the meeting of January 30th, but would like to attend the next meeting if possible.

Mr. Colclough mentioned that Mr. Porteous would likely be appointed from Osoyoos.

Correspondence

J.E. Dew- 1. Letter of November 6, 1975 from J.E. Dew-Jones, Pollution  
Jones: Control Branch, Victoria.

Submis- The Branch was inquiring in view of new letters patent, if  
sion of any changes were proposed as to the authority responsible in the  
applica- future for submitting applications for Pollution Control Permits  
tions for or Certificates for the construction of sewerage works.  
Pollution  
Control  
Permits

Fleming - Stuart

That the procedure for submitting applications for Pollution Control Permits or Certificates for the construction of sewerage works remain the same.

CARRIED

J. Tener:  
Kalamalka  
Lake  
Outlet  
Structure

2. Letter of October 24, 1975 from J.S. Tener, Assistant Deputy Minister, Environment Canada.

This letter indicated that the matter of a control structure at the outlet of Kalamalka Lake would be discussed once the Implementation Board is established.

Mr. Colclough wondered who the Implementation Board was made up of. The Secretary-Manager said it would be made up of two senior Federal and two senior Provincial members. Mr. Fleming indicated Federal and Provincial representatives would be meeting shortly in the Okanagan to officially sign the Implementation Agreement.

Gordon - Fleming

That the correspondence from J.S. Tener be received and filed, and this matter be pursued with the Implementation Board.

CARRIED

City of  
Kelowna:  
Land  
Reclama-  
tion

3. Letter of December 19, 1975 from the City of Kelowna.

The letter indicated that the City of Kelowna would be prepared to participate with the Okanagan Basin Water Board, and Provincial and Federal Governments, on a Land Reclamation Program; providing that the costs to the City of Kelowna would not exceed 50% of the total project.

The Secretary-Manager indicated that dredging would have been included in the present weed eradication program if the Federal Government had contributed \$100,000; however, since that money was not available, it would not be possible to include dredging in the program. However, if the Board could pursue acquiring \$50,000 from the Province and \$50,000 from the City of Kelowna, a substantial land reclamation project could be done in conjunction with weed eradication. This would involve placing dredge spoils material removed from weed beds onto adjacent shallow mucky weed infested areas, thereby reclaiming valuable recreation land at a very reasonable cost.

It was the consensus of the Board to pursue this matter further with the Province and the City of Kelowna. The Chairman indicated that dredging projects associated with leasing out of reclaimed land could be an attractive source of future revenue for the Board.

Fleming - K. Boothe

That the Okanagan Basin Water Board pursue the possibilities of dredging weed beds, and the reclamation of foreshore, with the Province and the City of Kelowna.

CARRIED

R.D.N.O.  
Septic  
Tank  
Setbacks  
Health  
Regula-  
tions

4. Letter of December 12, 1975 from P. Mackiewich, Administrator, Regional District of North Okanagan.

The letter was requesting support from the Okanagan Basin Water Board in recommending that the Minister of Health remove the discretionary authority given the Medical Officer of Health by the Health Act to reduce the setback requirements of tile fields from 100' to 50' from a lake.

Mr. Mackiewicz explained that this matter has since been changed with new regulations. The Minister of Health, not the Medical Officer, can use discretionary authority now.

Stuart - Fleming

That a letter be written to the Minister of Health expressing concern over the discretionary authority for setback of septic tank fields and that the Water Board be notified if discretionary authority is used in this regard.

CARRIED

Judd  
Buchanan  
Septic  
Tank  
Regula-  
tions:  
Indian  
Land

5. Letter of December 4, 1975 from Judd Buchanan, Minister, Indian and Northern Affairs.

Mr. Buchanan informed that the Regional Director of Indian and Northern Affairs, Mr. Wight, has been in touch with the Bands concerning offending housing developments. They have been advised to invite inspections from the Department of National Health and Welfare.

Mr. Fleming suggested that another invitation be made to meet with Indian Bands. Mayor Boothe felt this matter should not be dropped.

Fleming - K. Boothe

That the letter be received and filed for information and an invitation be extended to the Indian Bands to meet with the Board for an exchange of information.

CARRIED

R.D.C.O.  
Feasibil-  
ity Study  
Winfield

6. Letter of November 19, 1975 from the Regional District of Central Okanagan enclosing a report by Underwood, McLellan and Associates concerning a sanitary sewerage system for the Winfield Flats area. This report had been requested by the Water Board in order to get an accurate cost estimate for a sewer system in the area.

Stuart - Day

That the above letter and report be received.

CARRIED

L.I.P.  
Grant

7. Letter of December 12, 1975 from Germain Laporte, Special Assistant to the Minister of Manpower and Immigration, indicating that L.I.P. funds would not be available as requested in the Water Board application.

The Chairman informed that since the time of the letter a L.I.P. Grant had been given to the Water Board in place of another application that had been withdrawn. The Board would now be receiving a L.I.P. grant in the amount of \$15,600 for weed eradication work providing labour was hired by January 26, 1976.

Mayor Fleming explained that he authorized the Secretary-Manager to proceed with the hiring in order to meet requirements of the grant. He suggested that the willow planting program be kept active with some of the L.I.P. labour.

The Secretary-Manager indicated that a contract would have to be signed for the L.I.P. program.

Kenyon - Day

That the L.I.P. Contract be signed.

CARRIED

Ok. Falls  
Chamber  
of  
Commerce  
Lowering  
of Skaha  
Lake

8. Letter of November 24, 1975 from the Okanagan Falls Chamber of Commerce.

The letter indicated that the residents of Okanagan Falls were in favour of lowering Skaha Lake as much as possible so they could clean up their beaches.

Mr. Colclough indicated that the lowering of Skaha Lake had been previously considered during the winter period, but it was felt some water intake freezing problems could arise. He mentioned that the Regional District of Okanagan-Similkameen Technical Committee had recently met concerning a lowering of Skaha Lake during the frost-free period, perhaps in mid-March. The Secretary-Manager had attended the meeting and indicated a lowering of Skaha Lake would assist in other weed removal techniques, i.e. in the laying of bottom barriers. This could be done easier in shallower water. If the lake could be lowered, this would help. A lowering of Skaha Lake could be limited depending on the amount of snowpack and also on the number of intakes which would require extension into deeper water or on the suction capacity of existing pumps.

The Chairman indicated that various government departments would have to be involved. The Secretary-Manager indicated that it is anticipated that the Okanagan Lake water intakes will be lowered under the Implementation Agreement to assist in lake level management. He suggested that the possibility of lowering Skaha Lake intakes be explored at the same time. This would be reviewed by the Implementation Board, however it is not expected that they could give this consideration inside the year. Mr. Colclough indicated that the lowering of Skaha Lake for weed eradication assistance should be funded under the weed eradication program.

Mr. Stuart indicated that the Water Board feels that even the raising of \$300,000 would be possible if required under the weed program. The time to move on weed eradication is now in order to stop major downstream spreading in Skaha and Osoyoos Lakes. The Water Board has the only active program going on weed eradication with the Province.

Mayor Fleming supported the objective that the Board go ahead with the program and be ready to make a reassessment if necessary for additional funding, however, the Board should make sure that the one mill levy is firmly agreed to. This could be used to accomplish the objective.

Stuart - Fleming

That the reconsideration of additional financing for the weed eradication program be left to the call of the chair, and if in the opinion of the Chairman there is a need to call the Board to reappraise the financial arrangements for the program, the Board would be called to consider this.

CARRIED

The Secretary-Manager indicated that a lower level of all lakes in the system would help in all of the phases of the weed eradication program. He suggested that the Water Resources Service be encouraged to lower the lake as much as possible, however, taking into consideration the present snowpack conditions as well.

Stuart - Kenyon

That a letter be written to the Okanagan Falls Chamber of Commerce indicating that the Province would be pursued in this matter and beach clean-up work could proceed if the lake is lowered.

CARRIED

Weed  
Eradica-  
tion  
Program

The Secretary-Manager outlined the weed eradication program in detail. A written report was presented. This report is attached to and forms part of these minutes. The Secretary-Manager explained that the cost figures indicated for each of the methods or eradication were the present estimates available, however, should some methods prove more effective and more efficient than others once the program is underway, costs may be shifted from the least effective methods to the more effective methods. Some flexibility would exist in the program.

The Chairman indicated that perhaps the Board could approve the overall eradication budget with the understanding that the costs could be shifted as required.

Mr. Stuart indicated that the weed eradication programs should be looked at as still under trial stages as the Board is learning something new every year on weed eradication.

The Secretary-Manager indicated the program has been circulated to the various government agencies that may be concerned such as the Fisheries Branch, the Lands Branch, and the Water Rights Branch, and he indicated that perhaps copies of the program should be sent to the major Municipalities and the Regional Districts.

Stuart - French

That the joint Provincial - Okanagan Basin Water Board weed eradication program be approved in principle as outlined in the report as presented.

CARRIED

Mayor Fleming indicated that the weed eradication program is based largely on the program and techniques that have been pioneered by the Secretary-Manager of the Board. He commended him for this contribution. He indicated that many of the personnel from the Provincial Government who have worked in the field had also contributed a great deal to the weed problem and they should be thanked for their great effort.

Adminis-  
trative  
Arrange-  
ments -  
Weed  
Eradica-  
tion

A brief draft of the administrative arrangements that would have to be made with the Province to administer the weed eradication program was presented. The final draft of the administrative arrangements would be coming from the Province, however, the drafted items were basically what would be contained in the arrangements. This would have to be agreed to by the Board. The Secretary-Manager indicated there was some question in the financial arrangements whether all the funds provided within one fiscal year would have to be spent in that fiscal year. This scheduling of funds may be inconvenient and should be pursued with the Water Resources Service. The Chairman indicated the information presented by the Secretary-Manager was only the basis of the arrangement which would have to be signed at a later date.

A question of the availability and the scheduling of the Provincial portion of the funding would be pursued with the Province.

K. Boothe - Fleming

That the administrative arrangements for the weed eradication program be received as presented.

CARRIED

The Secretary-Manager indicated it was necessary to purchase equipment and hire help prior to the Board meeting in order to start the weed eradication program at a meaningful time. He had received permission from the then Chairman, Mayor Fleming, to proceed. Mayor Fleming indicated that he had given the Secretary-Manager approval to proceed with ordering equipment and hiring personnel to start the program early. This would be included in the weed eradication program which has now been approved by the Board.

Kenyon - K. Boothe

That a letter be forwarded to the Minister of Environment asking that the levels of Skaha Lake and other lakes in the Okanagan be kept as low as practical to assist in the weed eradication program.

CARRIED

A letter of November 26, 1976 from Dr. R.J. Buchanan of the Water Investigations Branch was presented to the Board. Mr. Buchanan indicated that the Deputy Minister of Water Resources has given Dr. Newroth of the Water Investigations Branch permission to visit the Tennessee Valley and other areas as a technical representative. The purpose of the visit would be to examine the latest technological methods and discuss the milfoil problems with other biologists.



He suggested that a representative from the Water Board accompany Dr. Newroth on this trip. The Secretary-Manager explained that the purpose of such a field visit would be to examine first-hand the latest methods that are used in weed eradication and to see whether these methods are applicable to the Okanagan situation. Mr. Stuart and Mr. Fleming indicated that they would not be opposed to a field investigation of the Tennessee Valley and other areas for information on weed eradication, however, such a trip should not conflict with local work.

Stuart - Fleming

That the Secretary-Manager be permitted to visit the Tennessee Valley and Florida area to view first hand weed eradication methods and growing conditions and to see whether these methods are applicable to the Okanagan situation, provided that such a visit does not interfere with local work.

CARRIED

Other Business

Meeting  
Dates

Mayor Boothe asked concerning regular meeting dates for the Water Board. It was explained that the regular dates for Water Board meetings are generally the first Thursday of each month providing it is suitable for other personnel who may be asked to attend. The Board agreed to set the first Thursday of each month for Water Board meetings. The next meeting would likely be March 4, 1976.

The Secretary-Manager indicated that the Municipal Pollution Control Objectives for Municipal type waste discharges in British Columbia was available in a document form at the Water Board office.

The meeting adjourned to Committee at 4:25 p.m.

CERTIFIED A TRUE AND CORRECT COPY.

\_\_\_\_\_  
Chairman

\_\_\_\_\_  
Secretary-Manager

During the latter part of 1975 the Province of B.C. and the Okanagan Basin Water Board agreed to undertake a one year jointly cost shared aquatic weed eradication program during 1976, for a total cost of \$200,000. In order to take advantage of lower lake levels and the absence of plant material near the water surface, it is imperative that in-the-field operations start not later than February 15, 1976 and be completed by May, 1976.

The following is a description, prepared by the office of the Water Board and the Water Resources Service, of eradication techniques to be used, costs, and scheduling:

1) Subsurface Rototilling

This method will employ the use of agricultural type rototiller heads to dislodge the aquatic weed root system which then floats to the surface. Rototillers will be mounted on an amphibious "Bombardier" vehicle to reach areas of less than 3' of water depth. A rototiller mount on existing floating harvester unit will be used to treat areas greater than 3' deep.

Rototilling methods are to be used primarily in expansive weed beds with a relatively even lake bottom free of rock and other obstructions. Two major areas to be treated with this equipment include the Northeast Arm of Okanagan Lake on both sides of the estuary of Vernon Creek, and the Kelowna waterfront from the Hwy. 97 bridge south to Mission Creek. If this method shows a good level of efficiency, without the spread of root fragments, it will be considered for use in smaller infested patches also. The period of operation will be February to May 1976.

a) Bombardier - mounted rototiller - Costs

- Purchase used Bombardier unit	\$ 7,000	
- Mount rotovating equipment on unit	5,000	
- Operating costs (80 days)	16,000	
- Transportation and miscellaneous	<u>1,000</u>	\$29,000

b) Float - mounted rototiller - Costs

- Installation of rototiller and hydraulic drive on existing harvest	\$12,000	
- Operating costs (100 days)	20,000	
- Transportation and miscellaneous	<u>1,000</u>	\$33,000

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c) Retention Boom - and Plant Fragment Disposal

- A specially designed floating wire mesh boom must be constructed to encompass areas as they are being treated with rototilling methods. This will prevent surface drift of fragments.

Costs:

- Materials and assembly of booms	\$ 6,000	
- Install booms, relocate booms, clean fragments etc. (100 days)	15,000	
- Tender boat and barge rentals	2,000	
- Removal of fragments from shoreline	<u>10,000</u>	\$33,000

2) High velocity Jetting

High velocity water jets are to be used immediately following rototilling to wash to the surface any remaining fragments trapped in sediment. The areas and scheduling of this method will be coincident with rototilling methods.

Costs:

- Rental of pump (4 months)	\$ 2,000	
- Rental of barge	1,000	
- Mount hydraulic spray bar on barge	3,000	
- High pressure hose (200')	1,000	
- Operating costs, barge, pump(100 days)	20,000	
- Transportation and miscellaneous	<u>2,000</u>	\$29,000

3) Opaque Bottom Barriers

Bottom barriers usually of polyethylene, polyvinyl or hypalon materials are placed on the lake bottom in critical areas to prevent light penetration thereby stopping plant growth. Owing to physical constraints this method can be used only on relatively small patches and where absolute control of plant growth is required before further spreading occurs. Bottom barriers must be weighted with sand.

This method will be primarily used on small patches of watermilfoil growth occurring on the North, East, and South shores of Shaka Lake; on the South end of Okanagan Lake; and on the North end of Kalamalka Lake.

Bottom barriers will be layed during the months of March and April 1976.

Costs:

a) Hypalon bottom barrier

- Cost of material (2-3 panels)	\$ 2,000	
- Installation cost	750	
- Transportation	50	
- Boat rental and miscellaneous	<u>200</u>	\$ 3,000

b) Polyethylene bottom barrier

- Cost of material (5 ac.)	\$ 7,000	
- Installation cost	2,000	
- Transportation	100	
- Sand ballast	400	
- Barge and loader rental	<u>1,000</u>	\$10,500

4) Small Dredge - Diver Operated

This method is to be used around piers and pilings and other confined areas where application of other methods is not possible. Small hand operated dredges are used to remove plant material from bottom sediment and deposit it ashore.

The period of operation will be April and May 1976.

Costs:

- By contract		\$10,000
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5) Herbicides

Use of herbicides is planned only when all agencies concerned have given approval; particularly the Fish and Wildlife Branch and the Department of Health. Application would be <sup>by</sup> professional personnel only.

Herbicides would be used to a limited extent primarily in enclosed boat mooring facilities and minor spots considered to be safe.

The period of application would be May and June 1976.

Costs:

- Materials, application gear, application		\$10,000
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6) Other Methods (Flow developers, vacuum truck, lake level fluctuation)

A number of techniques could be developed which have a practical application in unique areas, particularly for the displacement of silts, aquatic plant roots, and the organic buildup of decayed material on the shorelines.

Costs:

- Equipment rental and operation \$10,000

7) Monitoring, Administration, and Contingency

- Monitoring, travel expense, On-site review Tennessee Valley eradication Program.	\$ 8,000	
- Field supervision (1 man - year)	12,000	
- Rental pickup truck	1,200	
- Miscellaneous equipment	1,300	
- Contingency	<u>10,000</u>	<u>\$32,500</u>
	TOTAL	<u>\$200,000</u>

Funding: \$100,000 Okanagan Basin Water Board  
\$100,000 Province of British Columbia

Note: As the program progresses, if some methods are found to be relatively more efficient or conditions vary, more or less funds would be expended in the individual portions of the program; however the overall total is expected to remain the same.

WP/dd  
Jan. 21/76

MINUTES FROM THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE OKANAGAN BASIN WATER BOARD, JANUARY 30, 1976, 4:30 P.M. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN.

Present	S.A. Fleming	R.D.N.O.
	W.T. Gordon	R.D.N.O.
	R.P. French	Alternate R.D.N.O.
	C.B. Day	K.D.C.O.
	J.H. Stuart	R.D.C.O.
	D.R. Booth	Alternate R.D.C.O.
	F. Colclough	R.D.O.S.
	K.A. Kenyon	R.D.O.S.
	K. Boothe	R.D.O.S.
	W. Panchomchuk	Secretary-Manager

Basin-wide  
Cost  
Sharing  
Waste  
Treat-  
ment

The Chairman explained that it was intended that Mr. T. Moore of Municipal Affairs be present at this meeting, however, the cancellation of air flights made this impossible. He indicated the basin-wide finance formula would be discussed.

A letter of December 9, 1975 from Mr. Woodward was read. Mr. Woodward indicated he felt that supplementary letters patent of the Board were sufficiently broad to permit the Board to set aside all or a portion of the annual requisition upon the three Regional Districts in a reserve fund. He indicated while the Water Board may establish a reserve, he was of the opinion that the reserve should be maintained as a formal reserve under the provisions of Part 7 of the Municipal Act. This would ensure that the usual Municipal rules governing reserve funds would apply to any reserve of the Water Board. He suggested that a change in the letters patent be implemented in order to make the provisions of the reserve fund apply to the Water Board.

Mayor Fleming explained that the one mill levy for waste treatment would be held in reserve until new facilities are built. After a few years experience the Board would be able to tell whether a one mill levy is adequate. The Board now has the authority to raise the one mill. The next major policy for the Board is to decide on the precise formula whereby it would distribute the mill and on the criteria whereby the communities would qualify for the Okanagan Basin Water Board funding. The Water Board would have to decide whether to use the CMIC definition of sewer works or the B.C. Municipal Sewage Facilities Assistance Act. Mr. Colclough indicated that there are several definitions of sewer works which the Board should possibly consider and perhaps should not consider financing all collection lines. The Secretary-Manager explained the definition of sewage treatment works as provided in Bill 88.

Mayor Fleming suggested that each Regional District examine the definition of sewerage works as provided in Bill 88 - the Sewage Facilities Assistance Act - and see if the terms are suitable to be adapted into a basin-wide cost sharing formula. The region should be asked whether or not they agree to use the definition as provided under Bill 88. The Chairman indicated that if waste treatment plants only are funded under the basin-wide cost sharing formula the Board could perhaps stay under the one mill levy. However, if the complete system is funded it could cost as high as 1.9 mills.

The Secretary-Manager indicated that he felt Mr. Woodward had not yet had an opportunity to study the details of the formula as proposed by the Board and therefore he was not able to give an adequate comment.

Mr. Stuart indicated that he would like direction from his Regional Board and would like to look at the finance formula constructively. He felt that a decision could not be made today. He suggested that a meeting be held with the Water Board and the Administrators concerned from the Municipal, Regional and Provincial levels. Politicians should be present at such a meeting. The Board should say what it wants and the Administrators should be able to tell the Board how it could best be done. The Chairman suggested that Mr. Woodward be present at a meeting with the Board, the Regional Administrators and Finance Directors from the Cities. The Chairman would set up this meeting as soon as possible.

Mr. Colclough indicated that there appears to be no problem in raising the one mill but the formula should be examined as to how the one mill would be distributed. The Secretary-Manager indicated that although the projected expenditures over the long-term period may exceed a one mill levy, it is also important to consider at what date the one mill would be exceeded. He had completed cash flow calculations indicating that the one mill levy would not have to be exceeded before 1984 provided a reserve fund is established now.

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Administrative Structure - Okanagan Implementation Agreement

Adminis-  
trative  
Structure  
Liaison  
Committee  
and  
Okanagan  
Basin  
Study  
Implemen-  
tation

Mr. Colclough presented a chart showing a proposed administrative arrangement for the structuring of the Technical Committee to the Okanagan Basin Water Board. This would be the same as the Liaison Committee as mentioned in the letters patent. The Technical Committee would be responsible for gathering the information from the three Regional Technical Committees and would be responsible for reporting to the Water Board on technical matters. The Secretary-Manager presented a chart to the Water Board showing how the administrative structure would be laid out under the Implementation Agreement. The Implementation Board would be responsible at the top of the structure. A co-ordinator would be hired who would then be responsible for co-ordinating all the government agencies involved. The Water Board would feed into the structure laterally passing on their comments and proposals to the Implementation Board or co-ordinator. The Liaison Committee would act on behalf of the Board.

The Board would review the charts and consider the best form of structure.

The Secretary-Manager indicated that he felt several of the Board members had not yet seen copies of the Canada - British Columbia - Okanagan Implementation Agreement. He had copies available in the final draft and could mail these out if the Board wished these.

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The meeting adjourned at 5:30 p.m.

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CERTIFIED A TRUE AND CORRECT COPY.

Chairman

Secretary-Manager

MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD  
MARCH 4, 1976, 2:00 P.M., OFFICES OF THE REGIONAL DISTRICT  
OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

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Present	F. Colclough	Chairman	R.D.O.S.
	K. Boothe		R.D.O.S.
	A. Kenyon		R.D.O.S.
	J. Stuart		R.D.C.O.
	C. Day		R.D.C.O.
	L. Dooley	Alternate	R.D.C.O.
	D. Booth	Alternate	R.D.C.O.
	S. Fleming		R.D.N.O.
	R. Postill		R.D.N.O.
	R. French		R.D.N.O.
	W. Parchomchuk	Secretary-Manager	

Also Present

T. Carter, Secretary, Assoc. of B.C. Irrigation Districts  
R. Louie, Counsellor, Westbank Indian Band  
P. Newroth, Biologist, Water Resources Service

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Minutes Boothe - Postill

That the minutes from the meeting of January 30, 1976 be adopted as circulated.

CARRIED

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Accounts The Secretary-Manager presented accounts outstanding to February 29, 1976 totalling \$844.42.

Stuart - Dooley

That the accounts totalling \$844.42 be received.

CARRIED

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Correspondence

1. Letter of February 5, 1976 from Ker, Priestman & Associates, agents for K-Bar Ranches Ltd.

K-Bar Ranches were objecting to a decision of the Comptroller of Water Rights to refuse to grant water licences on Mission Creek. The applications were refused for the following reasons:

1. These applications have been outstanding for the last five or six years,
2. K-Bar has not submitted firm proposals as requested,
3. Significant events have occurred, such as the Okanagan Basin Study which identified Mission Creek as the major fish producing stream in the Okanagan Valley, and
4. A hearing would have to be held to provide concerned persons and agencies with an opportunity to update any comments they may have regarding the applications.



K-Bar Ranches is now appealing the Comptroller's decision and have outlined their reasons in a letter of February 5, 1976 to the Lieutenant - Governor in Council.

C. Day stated that the objections of the Water Board and the Regional District that were voiced in the past should still apply.

Stuart - Fleming

That the correspondence be received and a letter be written to the Comptroller of Water Rights reaffirming the position of the Okanagan Basin Water Board.

CARRIED

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D. Snider  
Weed  
Eradica-  
tion  
rogram

2. Letter of February 17, 1976 from D.I. Snider, Regional Land Manager, Lands Branch.

The letter authorized the Okanagan Basin Water Board to occupy crown foreshore areas as required for the weed eradication program provided conditions as outlined were met.

It was normal procedure to acquire approval from various Departments when planning to work on Crown land.

Fleming - Day

That the letter from the Lands Branch be received.

CARRIED

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R.D.N.O.  
Thorlak-  
son  
Feedlot

3. Letter of February 12, 1976 from the Regional District of North Okanagan.

The letter was expressing concern over a large feedlot operation by Mr. Harold Thorlakson on Tronson Road in the vicinity of Okanagan Lake. It has been estimated that the waste from this operation is equivalent to that of 7,000 people, which waste appears to be running in an open ditch and discharging into Okanagan Lake.

Mr. Postill informed the Board that the Regional District of North Okanagan would be meeting with the Department of Health and the operator of the feedlot to discuss this problem in the near future.

Postill - French

That the letter from the Regional District of North Okanagan regarding the feedlot operation by Mr. Harold Thorlakson be received and filed.

CARRIED

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H. Bohn  
Agri-  
complex

4. Letter of March 2, 1976 from H. Bohn, Okanagan Falls. The letter was opposing an "agricomplex" proposed for Okanagan Falls.

The Secretary-Manager indicated the Water Board has not received much information on this particular feedlot and asked if someone from the South Okanagan had some more information.

Mr. Colclough informed the Board that this was just a proposal. It would have to go to a public hearing and then the minutes of this public hearing would have to go back to the Board of the Regional District of Okanagan-Similkameen. There was not enough information at this time to make a motion with respect to this letter.

Boothe - Kenyon

That the letter from H. Bohn regarding a proposed "agricomplex" in Okanagan Falls be tabled.

CARRIED

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Further discussion ensued concerning feedlot operations. Mayor Fleming stated that there is a jurisdictional problem and that there should be rules and regulations governing not only feedlots but all types of agricultural operations. He stated that while we want a healthy beef and dairy industry, we need some kind of regulations such as a buffer zone around the feedlot to protect the water quality of the Basin. He urged that various agencies be notified of the need for such rules and regulations.

Fleming - Boothe

Feedlot  
Regula-  
tions

That a letter be written to the Department of Municipal Affairs, the Pollution Control Board, the Department of Agriculture, the Department of Environment, and other agencies involved expressing urgency of the need for rules and regulations pertaining to feedlots and other types of agricultural operations.

CARRIED

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James  
Nielsen-  
Land  
Reclama-  
tion

5. Letter of February 26, 1976 from the Honourable James Nielsen, Minister of Environment.

The letter was in reply to the Water Board's letter of February 5, 1976 concerning the possibility of using dredge spoils material to reclaim foreshore land and to help eradicate weeds. Mr. Nielsen indicated his staff would be reviewing this matter and the Water Board would be hearing from them after this review.

Stuart - Day

That the letter from the Honourable James Nielsen be received and filed.

CARRIED

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B. Marr,  
P. Brady  
Skaha Lk.  
Drawdown

6. Letter of February 20, 1976 from B.E. Marr, Deputy Minister of Environment, and letter of February 27, 1976 from P.M. Brady, Director, Water Investigation Branch.

The letters stated that it will be possible to go ahead with the lowering of Skaha Lake provided that adequate notification of the shoreline residents is made.

Dr. Peter Newroth of the Water Investigations Branch was present at the meeting and explained to the Board what the program would involve. He mentioned that he did not anticipate any problems, but if problems did arise that could not be resolved, the draw-down would be halted. Lakeshore residents would be urged to clean up their beaches. Water milfoil would be the target species for eradication.

Kenyon - Boothe

That the Skaha Lake lowering program be carried out.

CARRIED

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Agreement for Okanagan Basin Aquatic Weed Removal Program

Agreement  
Joint  
Program

The Secretary-Manager presented a letter of February 6, 1976 from B. Marr, Deputy Minister of Environment, along with a copy of the Joint Okanagan Basin Water Board - British Columbia Aquatic Weed Removal Agreement which outlines the administrative procedure for aquatic weed removal. The agreement would have to be signed by the Chairman.

Stuart - Postill

That the Okanagan Basin Water Board execute the agreement.

CARRIED

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Proposed Okanagan Basin Septic Tank Regulations

Septic  
Tank  
Regula-  
tions

The Secretary-Manager presented a letter of February 11, 1976 from W. McGrath, District Engineer, B.C. Department of Health, along with the proposed Okanagan Basin Septic Tank Regulations.

Mr. Colclough suggested that these regulations should be put through the Technical Liaison Committee first to see if this Committee has any comments. The Regional Districts would have to write a by-law to cover the new regulations.

Mr. Dooley pointed out that the regulations do not say who would do percolation tests. He indicated that these tests are useless unless done by an Engineering Supervisor. He also suggested that a common by-law be drafted by all three Regional Districts to enforce these regulations. He said the Health Department does not have adequate staff to carry out inspection of septic tanks. Inspection fees would provide funds for staff.

K. Boothe suggested that if there was a by-law, septic tank inspections could be carried out by the Regional District Building Inspectors.

Mr. Kenyon suggested that one inspector could do the entire inspection of the building, site, and the septic tank.

Dooley - Boothe

That the three Regional Districts concentrate on a common by-law for septic tank regulations.

CARRIED

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Pollution Application for Pollution Control Permit

Control  
Permit: An application for a Pollution Control Permit from School District  
School No. 22 was presented. The application was for the installation of  
District a sub-surface sewage disposal system at Kalamalka Junior Secondary  
No. 22 School until such time as the District of Coldstream sewage disposal system is constructed. This matter was considered by the Regional Board of the Regional District of North Okanagan at their regular meeting held on February 11, 1976 and was supported.

Postill - Fleming

That the application for a Pollution Control Permit by School District No. 22 be supported.

CARRIED

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Other Business

R. Louie The Chairman introduced Mr. Robert Louie, Counsellor, Westbank  
Westbank Indian Band, who was present at the meeting. Mayor Fleming  
Indian suggested that perhaps Mr. Louie might assist the Okanagan Basin  
Band Water Board in communicating with the Indian Bands.

Waste The Secretary-Manager reported that a waste treatment seminar  
Treatment would be held in Victoria on April 4, 5, and 6th.  
Seminar

Invoices The Chairman indicated that all invoices relating to the joint  
Aquatic aquatic weed removal program would have to be signed prior to  
Weeds making a claim from the Province.

Fleming - Postill

That the Chairman be authorized to sign all invoices relating to the aquatic weed program.

CARRIED

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Liaison Committee    Liaison Committee

The Chairman presented a list indicating the proposed make-up of the Liaison Committee as follows:

- 3 planners
- 2 Medical Health Offices (South Okanagan & North Okanagan)
- 1 City Engineer (Rotate annually - others on call)
- Water Resources
- Fish & Wildlife
- Lands Branch
- Forest Service
- Agriculture
- Pollution Control Branch
- 1 from Irrigation Districts
- 1 from Indian Bands or Indian Affairs

He suggested the Committee would change as work progressed. Only those members directly involved with the particular topic under review would attend meetings.

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There being no further business, the meeting adjourned on a motion by Mayor Fleming at 3:30 p.m.

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CERTIFIED A TRUE AND CORRECT COPY.

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Chairman

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Secretary-Manager

MINUTES FROM A MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE OKANAGAN BASIN WATER BOARD, MARCH 4, 1976, 9:30 a.m. IN THE OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN.

Present

F. Colclough	Chairman	R.D.O.S.
A. Kenyon		R.D.O.S.
K. Boothe		R.D.O.S.
J. Tait	Alternate	R.D.O.S.
C. Day		R.D.C.O.
J. Stuart		R.D.C.O.
L. Dooley	Alternate	R.D.C.O.
D. Booth	Alternate	R.D.C.O.
S. Fleming		R.D.N.O.
R. Postill		R.D.N.O.
R. French		R.D.N.O.
W. Parchomchuk	Secretary-Manager	

Also Present

T. Moore, Executive Director, Administration, Municipal Affairs  
J. Rheame, Administrator, R.D.O.S.  
S. Cornock, Assessor, Appraiser & Land Agent, City of Penticton  
A. Harrison, Administrator, R.D.C.O.  
R. Haggstrom, Assistant Administrator, R.D.C.O.  
H. Hall, Finance Director, City of Kelowna  
T. Wong, Deputy Treasurer, City of Kelowna  
P. Mackiewich, Administrator R.D.N.O.  
C. Dirk, Finance Director, City of Vernon

Finance  
Formula

The Chairman indicated the purpose of the meeting would be to discuss the Basin-wide Finance Formula for waste treatment. The Board had already agreed to levy up to one mill on a Basin-wide basis, however, the formula that would be used in applying the one mill had not been entirely confirmed.

Mr. Moore indicated that the Department of Municipal Affairs was ready to approve any formula that was technically sound and was agreeable to all the Regional Districts in the Basin.

Mr. Colclough indicated that the present formula might eventually go over one mill and this would not be acceptable under the present Letters Patent. Mr. Moore indicated that under the present Letters Patent, one mill was the maximum. The present Letters Patent dealt specifically with waste treatment only. However, Bill 88 covers the entire waste treatment cost including collection and possibly the purchase of land.

Mayor Fleming indicated that the one mill levy would do the job that is required now. Possibly in five years from now the one mill may not be enough and it may be necessary to increase the levy. funds raised now could be placed into a reserve fund. He indicated the present Letters Patent suggest that the one mill levy would go to sewage treatment only, however, a formula was needed that would not require much administration. Therefore, the criteria for determining sewage treatment works for the purpose of the formula should be either the CMHC definition or the existing Bill 88 definition. He suggested that those facilities covered under Bill 88 be used in the Basin-wide formula. Bill 88 does include collection systems. A criteria that is recognized by the Province, the Regional Districts, and CMHC should be used in establishing the formula. If a municipality qualified under Bill 88 for funding of treatment facilities it should automatically qualify under the Basin-wide formula for those same facilities. If the one mill is not adequate to cover all of these works over a time period, then it could be increased when the time comes. He suggested that the Board should not get hung up on the one mill.

The basic principle of the formula is sound and the Board merely now had to agree whether they would use the Bill 88 definition of sewage facilities or the CMHC definition of facilities that would qualify for funding. The use of Bill 88 would take into account the retroactive funding for existing facilities. Every indication is that for the first period of several years, the one mill levy would be adequate.

Mr. Colclough questioned what would be involved with having the definition merely read "sewage treatment facilities". Mayor Fleming indicated that the Board would stay within the Letters Patent in allocating the formula. If the CMHC definition or the Bill 88 definition of sewage facilities is used, the Board could be of assistance to dispersed Municipalities which will have a tremendous burden of collecting municipal wastes. The Board now has a resolution agreeing to the principle of the formula, it merely must decide now how to apply it. Would it be through the CMHC definition or the Bill 88 definition.

Mr. Boothe could not see how Summerland would be receiving benefits under the formula for five or six years.

Mr. Colclough explained that everybody in the Basin would contribute up to one mill into a common fund and the areas placing a sewage system in could draw from the fund. Some areas may not draw directly from the fund at all, even in the future; however, they are receiving benefits from the protection of the Basin.

Mayor Fleming agreed that the total Basin would benefit from the works that will be installed even though some areas may not benefit directly and immediately. Some systems will come on stream immediately as the priority exits, others will come later. Mr. Boothe accepted the fact that some functions could not be handled on an individual area basis, but he could not see why sewage plants should be shared on a Basin-wide basis.

Mr. Moore indicated that a one mill limitation presently exists in the Letters Patent of the Water Board. The three Regional Districts would have to request a change when this limit is increased. The definition of the works that would qualify under the formula would be up to the Water Board whether they wished to use Bill 88 or the CMHC definition. The present Letters Patent of the Board indicated that only sewage treatment facilities would qualify, however, if the Board wishes this to be changed they could apply for the change in Letters Patent.

Mr. Moore indicated the Department was prepared to accept a reserve fund.

Mr. Cornock indicated that the Municipalities are now applying to senior governments for grants for sewage works. He felt this was complicating the role of the Water Board. He questioned whether the application of funds by the Board is in addition to the Bill 88 funds. He thought perhaps the Provincial share would have to be reduced by the amount granted by the Water Board. He felt that if a very small amount of funds were required for sewage treatment in any one year, then only those funds should be levied, and not a greater amount.

Mr. Stuart asked whether Mr. Cornock was speaking on his own behalf or for the Regional District. Mr. Colclough indicated that Mr. Cornock was speaking as a representative of the Regional District of Okanagan-Similkameen.

Mr. Cornock questioned how far the Board could go in levying extra funds. Mr. Moore replied that as long as Bill 88 stays in place, there is no intention to reduce the amount of funding to Municipalities under Bill 88 even though a local formula is adopted. Insofar as levying money beyond what is expected in an existing year, this would depend on the Board's participation and an existing debt. The Board could participate in 1976 already even though there are no new works installed. Existing works qualify under Bill 88.

Mr. Colclough indicated that according to the existing formula, the Board would be involved in all plants and collection systems. The Board would have to decide how far its participation would go.

Mr. Fleming indicated that several communities are looking at spray irrigation options for waste disposal. Lines are required to place the water on the land for irrigation. These lines are a high cost of this tertiary treatment function. A decision would have to be made whether these costs are to be shared.

Mr. Stuart indicated that it is still not clear whether land is included in the Provincial sharing. Mr. Postill indicated that he was under the impression that it did not matter how the effluent was taken out of the Basin, the Water Board would share up to 25% of the cost beyond three mills to help in accomplishing the task.

Mr. Colclough indicated that a past resolution of the Board read that Basin-wide sharing would only apply to treatment facilities and not collection systems.

Mr. Postill indicated the funds would be used for the same end result regardless of whether the cost was for tertiary treatment, spray irrigation or collection.

Mr. Mackiewich indicated that the 25% cost sharing above three mills is what determined whether or not some smaller communities would have a sewage system or not. The 25% does not appear to be very much but is often the determining factor in making it economic for smaller communities to have a sewer system.

Mr. Cornock's second concern was whether it had been confirmed the Board would be involved in sewage treatment plants only.

Mr. Moore indicated that the present Letters Patent apply to sewage treatment facilities only. A change in Letters Patent would be required to go beyond this.

Mr. Dirk indicated that the definition under Bill 88 and CMHC allow certain trunk lines to be classified as treatment.

Mr. Moore indicated that if the CMHC definition of sewage works is used, it could probably be included within the scope of the present Letters Patent of the Board.

Mr. Stuart indicated that the Board should go back to the reasoning from the original meetings as to why it was becoming involved in the first instance in the Basin-wide formula. He felt that sight of the fact why Basin-wide sharing had been suggested has been lost. The Board had looked at a Basin-wide formula to see what could be done to accomplish the job. People who will never have a sewer line may be required to pay into the formula because every person in the Basin would derive benefits from waste treatment. Originally the Department of Municipal Affairs had wanted the formula to be over one mill, perhaps two or three mills. If a basic one mill is set now, then each Regional District will know how much the levy will be each year and this will facilitate planning. The Board felt that every person living in the Basin should pay a contribution of at least one mill. This had been agreed to. He indicated there had been no objections to raising of a one mill levy over the Basin. This principle has proven to



be sound. If the Board could tie its formula into existing legislation such as Bill 88, this would make it easier administratively. The fairest and the simplest way that the retroactive condition of the formula could be placed into operation would be through the provisions of Bill 88. The entire object of the Board's sharing on a Basin-wide basis was to benefit the lake. If the present mechanics and wording of the formula is wrong, this could easily be changed. The Board has voted unanimously on the principle. It may be necessary to change Letters Patent so that the Bill 88 definition of sewage facilities could be used in Basin-wide sharing. Land cost must be included in the total cost.

Mr. Moore indicated insofar as land costs are concerned it was still not certain how far Bill 88 would go in funding for land required for spray irrigation.

Mr. French indicated there had been some concern expressed about the amount of money left at the end of the year for the reserve fund. He felt if a sinking fund could be available this would be good business.

Mr. Rheaume indicated that as the original calculation sheet did not include Summerland, Peachland and other smaller communities, the mill rate would eventually reach 1.9 mills.

The Secretary-Manager indicated that when considering a higher mill rate, a time span must also be attached to when a higher rate would be required. A cash flow calculation had been done, and it was found that by using a reserve fund, the mill rate should not have to be increased beyond one mill prior to 1982.

Mr. Mackiewich indicated that the formula presently has a one mill limit. If when sharing the 25% factor over three mills, it is found that the one mill is exceeded, the amount of sharing is then cut back so that the one mill maximum is still not exceeded.

Mr. Day indicated that it would be important to consider at what time one mill would be exceeded. When the decision is made whether or not to include collectors, the reasons why the Board decides to go one way or the other should be stated.

Mr. Cornock indicated that the City of Penticton now has annual debt over three mills and asked whether it would qualify under the formula. The Secretary-Manager indicated that if a community is beyond three mills of debt it should qualify for sharing under the formula.

Mr. Fleming questioned whether the Directors in Okanagan-Similkameen were opposed to the sinking fund. Mr. Colclough indicated there was complete agreement. The only question that had to be settled was as to the distribution of the fund.

Mr. Postill indicated that the Board could now go into a levy of one mill and collect it. The basic philosophy is still intact and the formula remains simple. He suggested that the Board stay with the agreement they had made before.

Mr. Cornock questioned the extent of the amount of the reserve that could be set. Mr. Moore indicated that the Water Board would have to set up a separate reserve fund in each Regional District unless the Letters Patent are amended allowing the Water Board to hold a reserve fund in its name. He felt the only limitation on the reserve fund would be the limitation of the one mill levy in a particular year.

In summing up, Mr. Colclough indicated the basic problem was; does the Water Board wish to participate in the entire facilities including collection or just treatment facilities. If the Board does go for the entire treatment and collection concept there would have to be a change in the Letters Patent and perhaps approval to go over one mill eventually. If treatment facilities only are funded, the one mill would spread over a longer period. If the fraction of sharing is reduced at a later time to stay under the one mill limit, those communities coming in later would not get as much benefit out of the formula as communities coming in first.

Mr. Postill and Mr. Stuart moved and seconded a motion

"That the Water Board accept the one mill levy today and change the Letters Patent to include collection facilities as well as sewage treatment facilities".

Mr. Stuart indicated that if just treatment alone would solve the problem, then this would be all the Board should share; however, the Okanagan Basin Study indicates that collectors are needed to solve the problem in getting sewer away from the lakes. The Water Board would only be deceiving itself by thinking it could solve the problem by funding sewage treatment plants only. The problem is bigger than this. The important thing is to get at the problem with the formula. If the Board tied itself down to a formula that did not do the job this would be a mistake. The Board has always indicated that the people of the Valley want to see something done. If something is underway and done, the people may not be opposed to an increase beyond one mill in the future.

Mayor Fleming indicated that the way the Water Board has been able to get additional funding from senior governments, was by putting up some of its money on its own first. If the Board indicates they are willing to share in secondary treatment costs and collection, it may be possible the Board may get the Province to pay the entire extra cost of tertiary treatment.

Mr. Day suggested that the Regional District of Okanagan-Similkameen discuss the formula further. Perhaps the problem is not as big as it seems. He wished the Regional District to make its concerns known. The main points of concern he felt were that the Letters Patent presently do not cover collectors. This was only a technical problem in the Letters Patent. If collector lines should not be included, then this could be decided by the Regional District.

Mr. Kenyon requested a caucus for the Regional District of Okanagan-Similkameen. Mr. Colclough agreed that a recess could be held and the problem discussed amongst the Directors of the Regional District of Okanagan-Similkameen.

Mr. Postill asked if the Administrators could give their opinion concerning the reserve fund.

Mr. Hall felt there was nothing wrong with the reserve fund, but the earning which would accrue to the fund now would be spent in future years. He questioned whether people today should pay for future works. There was a good reason to go into a one mill reserve now and the formula could be reviewed in the future.

Mr. Harrison commented that if the Letters Patent will be amended to include collector lines, that the establishment of a reserve fund should also be included in the Letters Patent at the same time. Regional Districts can establish a reserve fund now, however the Water Board could not do this directly in its name.

Mr. Mackiewich indicated every organization should have some money in reserve for future expenditure.

The Chairman indicated there would be a recess over the lunch period and the Board would resume this meeting again at 1:30 p.m.

He thanked Mr. Moore for attending the meeting.

The meeting adjourned to recess at 12:00 noon.

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The meeting resumed at 1:45 p.m. with:

F. Colclough; A. Kenyon; K. Boothe; J. Tait; C. Day; J. Stuart;  
L. Dooley; D. Booth; R. Postill; R. French; W. Parchomchuk;  
A. Harrison, J. Rheaume; S. Cornock.

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Mr. Postill wished his resolution which was discussed in the morning to include "all sewage works" rather than "sewage treatment and collection facilities".

Mr. Boothe suggested that this would increase the mill levy beyond one mill.

Mr. Kenyon suggested that the Board presently only say that they wish to reaffirm the one mill levy to commence in this year. He was not sure whether "all sewage works" should be included. He questioned about the works which are presently in place.

Mr. Stuart suggested that the Board reaffirm the one mill position and clearly define the works for the next meeting. He suggested that the Regional District of Okanagan-Similkameen define what should be termed the sewage treatment works under the Letters Patent.

Mr. Postill suggested that the resolution should then be reworded so that the one mill is raised this year for this purpose and the excess be placed in reserve.

Postill - Stuart

That the one mill basin-wide levy be raised in the year 1976 for the purpose of a Basin-wide sewage facilities fund.

K. Boothe voted contrary.

CARRIED

Mr. Tait asked what the Water Board wished the definition of sewage facilities to be. Mr. Stuart replied that the Bill 88 definition and works which are included under Bill 88 is favoured by the Water Board.

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The meeting adjourned at 2:10 p.m.

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MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD  
APRIL 1, 1976, 2:00 P.M., OFFICES OF THE REGIONAL DISTRICT  
OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

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Present	F. Colclough	Chairman	R.D.O.S.
	K. Boothe		R.D.O.S.
	J. Tait	Alternate	R.D.O.S.
	C. Day		R.D.C.O.
	J. Stuart		R.D.C.O.
	L. Dooley	Alternate	R.D.C.O.
	S. Fleming		R.D.N.O.
	R. Postill		R.D.N.O.
	W. Gordon		R.D.N.O.
	W. Parchomchuk	Secretary-Manager	

Also Present

S. Buckler, Observer, Peachland  
R. Huva, Observer, Assoc. of B.C. Irrigation Districts  
Mayor L. McKinnon, Observer, Oliver  
C. Miller, Observer, Oliver  
B. Nilsson, Observer, Okanagan Labour Council

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Minutes Fleming - Day

That the minutes from the meeting of March 4, 1976 be adopted as circulated.

CARRIED

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Accounts Dooley - Postill

That the accounts totalling \$393.73 be received.

CARRIED

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Correspondence

Man-made  
Island-  
Osoyoos

1. Letter of February 23, 1976 from the Osoyoos Tourist Association; and letter of March 17, 1976 from a citizens' group, Osoyoos Lake.

These letters were in regard to the problem of a man-made island located in front of the Starlite Motel in Osoyoos. The island has created a blockage of flow along the beach resulting in silt and debris accumulation.

The Secretary-Manager informed the Board that this condition has existed now for several years. One way to alleviate the problem would be to place a flow developer in the restricted channel to mechanically assist the flow of water. This matter has been referred to G. Huva, District Land Inspector, as this was within the jurisdiction of the Lands Branch.

Mr. Dooley inquired as to who built the island. The Secretary-Manager explained that one of the upland owners had been given permission to do this.

The Chairman considered referring this item to the Technical Planning Committee of the Regional District of Okanagan-Similkameen

Mayor Fleming suggested that this was a concern of the Lands Branch and they should be asked to resolve the problem.

Fleming - Postill

That the correspondence concerning the man-made island in Osoyoos Lake be referred to the Department of Lands, Forests and Water Resources.

CARRIED

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Cattle  
Feedlots

2. Letter of March 19, 1976 from the Honourable R.H. McClelland, Minister of Health; letters of March 18 and March 31, 1976 from the B.C. Cattlemen; and letter of March 25, 1976 from the Regional District of North Okanagan.

These letters were in reply to the Okanagan Basin Water Board correspondence regarding cattle feedlots.

The B.C. Cattlemen enclosed a copy of their "Environmental Guidelines for Areas for Overwintering of Cattle". The Secretary-Manager pointed out that the first two guidelines are not being adhered to in the specific feedlots which had been referred to the Association.

Mr. Postill suggested the Board find what the B.C. Cattlemen plan on doing with feedlots that are not in accordance with their guidelines.

Fleming - Boothe

That the correspondence concerning cattle feedlots be received and filed and that a progress report be made at the next meeting when all agencies concerned have commented.

CARRIED

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H. DeBeck  
B.M.I.D.  
Water  
Licence  
Applic.

- 3a) Letter of March 22, 1976 from H. DeBeck, Comptroller of Water Rights.

The letter was in regard to applications for Water Licences by Black Mountain Irrigation District to divert 20 million U.S. gallons of water per day during freshet from Daves Creek. Minor applications were also made on Murray Lake and Mission Lake.

The Secretary-Manager explained that the applications were largely merely a change in diversion point for a short period of the season.

Day - Boothe

That the applications by Black Mountain Irrigation District be supported on the grounds that they are being made by an Irrigation District which is a public body.

CARRIED

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H. DeBeck  
K-Bar  
Ranches

- 3b) Letter of March 26, 1976 from H.D. DeBeck, Comptroller of Water Rights.

The letter was to advise the Water Board that all matters in connection with the Appeal filed by K-Bar Ranches are in the hands of L.J. Wallace, Provincial Secretary for the Appeal Tribunal. If the Board wished to make representations concerning this matter they should write directly to Mr. Wallace.

Mr. Day stated that the position of the Water Board concerning K-Bar Ranches should remain the same as in the past.

Day - Dooley

That the Okanagan Basin Water Board file comments with the Provincial Secretary for the Appeal Tribunal reaffirming the Water Board's original position concerning K-Bar Ranches applications.

CARRIED

City of  
Penticton  
White  
Amur  
Carp

4. Letter of March 12, 1976 from the City of Penticton. The City of Penticton received information concerning the White Amur Carp which is being used extensively in combatting vegetation problems in ponds and lakes, especially in warmer climates.

The Secretary-Manager indicated that the Fisheries Branch would not approve the use of White Amur. He said there has been considerable research done in ponds, but there are still many unknown factors. More research would be required before this control method could be tried here.

K. Boothe asked if this has been discussed with the Department of Fish & Wildlife.

The Secretary-Manager replied that the Fish & Wildlife Branch has been approached on several occasions and had indicated strong opposition to the introduction of the White Amur Carp.

Mayor Fleming indicated the tremendous local carp population already existing in the weed beds. He suggested that the matter of the White Amur Carp was a very complicated one, and requires much research on the part of the Fish & Wildlife Branch.

Fleming - Day

That the Okanagan Basin Water Board take all available information concerning the White Amur Carp and pass it on to the Fish & Wildlife Branch for their comments and direction.

CARRIED

UBH  
Septic  
Tank  
Regula-  
tions

5. Letter of March 8, 1976 from the South Okanagan Union Board of Health.

The letter was concerning the proposed Okanagan Basin Septic Tank Regulations.

The Secretary-Manager indicated the Health Units wish the system of inspections and approvals of sewage disposal systems to remain unchanged.

Mr. Colclough informed the Board that a meeting would be held shortly with members of the Regional District of Okanagan-Similkameen and the South Okanagan Union Board of Health to discuss this matter.

The Secretary-Manager indicated the septic tank regulations would probably still require further technical review, and this could be done once the Implementation Board is set up.

Fleming - Day

That the letter from the South Okanagan Union Board of Health be received and filed and be resubmitted to the Board when there is progress to report.

CARRIED

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J. Stuart entered the meeting at 2:45 p.m.

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City of  
Penticton  
applica-  
tion to  
increase  
discharge  
of  
effluent

6. Letters from the Village of Osoyoos, Southern Okanagan Lands Irrigation District, Village of Oliver and James Munroe; were received concerning the City of Penticton application to increase the discharge of effluents into the Okanagan River system.

Mr. Colclough explained that this application had been withdrawn and the letter received concerning this application were written prior to the withdrawal. He thought that the City of Penticton would probably be re-applying in the future, but in the meantime they would be looking at other methods. He suggested that if the City of Penticton re-applies to increase the discharge of effluents into the Okanagan River system, objections can be raised at that time.

Dooley - Postill

That the correspondence concerning the City of Penticton's application to increase the discharge of effluents into the Okanagan River system be received and filed.

CARRIED

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Mayor Leo McKinnon, who was present at the meeting indicated that his letter from the Village of Oliver was written before the application had been withdrawn, and therefore he was satisfied with the Board's action in this regard.

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Progress  
Report  
Weed  
Eradica-  
tion

The Secretary-Manager reported that the rototilling principle for weed eradication has been working well. However, there have been frequent equipment breakdowns. He indicated approximately 40 acres have been treated in the Kelowna area so far and it was unlikely that there would be enough time to treat all of the infested areas before the lake level rises.

Mr. Colclough stated that as the equipment was a new concept there were bound to be problems. He said that this year's program would have to be in the nature of a pilot project, and that next year the program would be extended through the low water season.

The Secretary-Manager showed some slides of the eradication program.

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Mr. J. Tait entered the meeting.

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Mr. Gordon questioned what would be done insofar as eradicating weeds near residential areas.

The Secretary-Manager informed that areas near wharfs could be treated by laying polyethylene. This would be available through the Water Board office at a nominal cost for anyone who was interested in laying their own. Larger areas near residential areas could be rototilled.

The Secretary-Manager showed slides of work that had been done by a private contractor in and upon the banks of Vernon Creek. An extensive erosion problem had been created. The work had been done without approval. He suggested a formal letter be written to the Water Resources Service to encourage regulation of this type of practice.

Fleming - Boothe

That the work done on the banks of Vernon Creek be drawn to the attention of the Provincial authorities as it is completely negating work being done on weed eradication.

CARRIED

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Mr. Colclough reported that the Skaha Lake lowering program has been going quite well, with no more than half a dozen complaints. He mentioned that the laying of polyethylene will be starting in that area next week. Skaha Lake had been lowered two feet below the normal operating level for this time of the year and the present level was 1106.2' elevation.

Mayor Fleming questioned when work would be starting in the North arm of Okanagan Lake.

The Secretary-Manager informed that work could probably be starting in the area within 2 - 3 weeks.

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MINUTES FROM THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE  
OKANAGAN BASIN WATER BOARD, APRIL 1, 1976, 3:30 P.M. OFFICES  
OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN

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Present	F. Colclough	Chairman	R.D.O.S.
	K. Boothe		R.D.O.S.
	J. Tait	Alternate	R.D.O.S.
	C. Day		R.D.C.O.
	J. Stuart		R.D.C.O.
	L. Dooley	Alternate	R.D.C.O.
	S. Fleming		R.D.N.O.
	R. Postill		R.D.N.O.
	W. Gordon		R.D.N.O.
	W. Parchomchuk	Secretary-Manager	

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The purpose of the meeting was to further discuss the Okanagan Basin Finance Formula for waste treatment. The Chairman reported that he had indication from the Department of Municipal Affairs that Bill 88 may be reviewed and possibly changed.

Mr. Stuart reported that Mr. Woodward indicated the 3 mill limitation on Bill 88 would be changed. Those projects which have been approved already would be protected. The Board could still proceed with the one mill levy now in existence but would have to wait for government direction before the final formula for the dispersement of funds is drawn up.

Mayor Fleming indicated the Board could still use the criteria of Bill 88 for qualification by communities under the formula. The qualification portion of the Bill may not change. Distribution of the Water Board funds would have to be made as far as they would go under the definition provided.

Mr. Stuart indicated that the Okanagan Basin Water Boards Letters Patent, as they are written now, apply only to waste treatment plants. The Board may have to stay with this definition. He expressed concern over Provincial decisions regarding waste treatment cost sharing. He felt the Province was slowly closing the door to any participation on land disposal of sewage and may be leaning more towards chemical treatment. He indicated the Province would pay for some of the cost of treatment plants, which may be the smaller portion of the total sewage treatment cost.

Mayor Fleming mentioned that initial costs of spray irrigation may be higher, but the operating costs are far less. In the long run the overall cost for spray irrigation is less. The Province would be making a mistake by trying to avoid initial high costs, but incurring larger long-run costs.

Mr. Postill indicated the Board should continue to implement the one mill levy this year; and discuss the ramifications of the formula during the year. The Board should not backtrack.

Mayor Fleming suggested that the one mill be applied and the funds kept in reserve accounts of the three Regional Districts for application to sewage treatment only. Only the tertiary stage and the weed eradication program would be funded out of this reserve. The funds should be held until the formula could be related to the Provincial model. The application of the formula should be left with the Chairman until the Province clarifies their position on Provincial waste treatment sharing and their assistance to the Okanagan.

Mr. Colclough indicated that the Regional District of Okanagan-Similkameen, approved the Basin-wide one mill levy and confirmed that its use be as indicated in the present Letters Patent.

Mr. Tait asked what the City of Kelowna would be doing for their tertiary treatment stage. Mr. Day indicated that a current study would determine what form of tertiary treatment the City would be using. Presently the City is looking towards land disposal.

Mr. Colclough reaffirmed that the next meeting of the Board would be on Thursday, May 6th, at which time the Water Board would meet with the Implementation Board of the Okanagan Basin Agreement.

The meeting adjourned at 4:00 p.m.

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Chairman

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Secretary-Manager

NOTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD AND THE OKANAGAN BASIN IMPLEMENTATION BOARD, MAY 6, 1976, 2:00 P.M.  
 OFFICES OF THE REGIONAL DISTRICT OF OKANAGAN-SIMILKAMEEN, 1101  
 MAIN STREET, PENTICTON, B.C.

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esent

F. Colclough	Chairman		R.D.O.S.
A. Kenyon			R.D.O.S.
K. Boothe			R.D.O.S.
J. Tait	Alternate		R.D.O.S.
C. Day			R.D.C.O.
J. Stuart			R.D.C.O.
D. Booth	Alternate		R.D.C.O.
R. Postill			R.D.N.O.
W. Gordon			R.D.N.O.
R. French	Alternate		R.D.N.O.
W. Parchomchuk	Secretary-Manager		
G. Simmons	Chairman	B.C.	Implementation Board
C. Woodward		B.C.	Implementation Board
R. McLaren		Canada	Implementation Board
M. Clark		Canada	Implementation Board

Mr. Colclough and Mr. Simmons introduced the respective members of their Boards.

Mr. Colclough welcomed the Implementation Board to the meeting. He was pleased this would be the start of a five-year Okanagan Basin Implementation Program.

Mr. Simmons indicated the job of the Implementation Board would be to resolve as many problems as they could concerning Okanagan Basin water management. The Board has just recently come into being and has held its second meeting today.

Mr. Colclough explained the structure and function of the Okanagan Basin Water Board. He indicated the Board was a committee of the three Regional Districts within the Okanagan Basin. The Okanagan Basin Study had made a recommendation for one Regional District over the entire Okanagan Drainage Basin. However, the recommendation has been revised and instead of one Regional District, the Okanagan Basin Water Board operates on behalf of the three Regional Districts in matters of water resource management. The Board has also recently, through Letters Patent, received authority to raise a levy of one mill for waste treatment projects throughout the Basin. He indicated the Regional Districts presently have Technical Planning Committees. He suggested that Technical Planning Committee personnel also be used on a Liaison Committee for the Okanagan Basin Water Board. The Liaison Committee is required to be established by the Board under the terms of the new Supplementary Letters Patent issued to the Board. He presented a chart and names of various Provincial and local government agencies who are represented on Technical Committees. He suggested the Liaison Committee be a Core Committee. Only those persons directly responsible for various aspects of implementation need attend meetings when topics relative to their concern are discussed.

Mr. Simmons suggested that a Liaison Committee should consist of other members besides members of Provincial agencies. Local regional staff should also be involved, not just government departments. Committees tend to proliferate and a means should be found to keep the size of committees down as much as possible.

The Secretary-Manager suggested that the Liaison Committee be just a Core Committee to avoid overlap. The Liaison Committee would have to be tied in very closely with the Program Co-ordinator for the Implementation Board.

Mr. Gordon suggested that the Liaison Committee should not be firmly established until there are items on which it could work.

Mr. Colclough asked whether the Implementation Board would be responsible for only the five million dollar project on downstream works or would they be responsible in the entire area of implementation. Mr. Simmons indicated that the Implementation Board would have an interest in all aspects of the entire program. The Board would examine Water Board proposals and financing of sewage works as well.

Mr. Simmons was asked whether the Implementation Board was now officially in operation and could information be funnelled to the Board to start on the program. He indicated that the Implementation Board was in a position to start a program, but the Co-ordinator's position will not be filled until later in the summer. Temporary staff would be used for this position in the meantime. Correspondence should be directed to the Chairman of the Implementation Board. He indicated that the program for this year consisting of \$500,000 expenditure had been reviewed by the Implementation Board this morning. A start would be made on the major recommendations of the study dealing with Flood Control and monitoring. Studies and designs for the downstream structures and modification of Okanagan Lake water intakes will be initiated.

The Secretary-Manager indicated that the initial study had not included recommendation for lowering of intakes on Skaha Lake, however other problems have originated in the meantime which may necessitate a review of Skaha Lake intakes. He asked whether the Implementation Board would be in a position to review this. Mr. Simmons indicated the Implementation Board could review Skaha Lake intakes as well as Okanagan Lake intakes.

Mr. Stuart indicated the Board was interested in working closely with the Implementation Board, particularly on sewage problems and stream bank erosion. He was interested to know how the Implementation Board would approach the problems of implementation.

Mr. Booth asked what involvement the Implementation Board would have with municipal effluent discharges. Mr. Simmons indicated that the agreement calls for an improvement in municipal effluent. This would partially be done with some existing funding from Federal and Provincial Governments. The Implementation Board would be involved when concepts are presented with cost figures for funding.

Mr. Woodward indicated the Implementation Board would be involved with financing of sewage programs. Individual community programs would likely be under C.M.H.C. financing. This would then have to be cleared by the Implementation Board. If a waste treatment project emerges before the Co-ordinator is in place, this would have to be worked out in the interim by the Implementation Board. The Implementation Board was not meant to manage local waste, but it would be part of the general process.

Mr. Simmons indicated the Water Board would be responsible for the whole philosophy of improving wastes in the Basin. Consequently the Water Board would be aware of any individual community waste treatment programs to improve waste in the Basin.

Mr. Stuart indicated there was a need to have some common terminology when discussing waste treatment. He indicated various levels of government have different criteria for funding different types of waste treatment and collection works. He asked, for example, would a main line from one community to another be considered as part of the treatment works, or a collector system.

Mr. Woodward indicated that the difference in terminology for waste treatment works, and in financing criteria, originates from C.M.H.C. and provincial programs which share different items of the total works. He agreed that some form of common terminology was required, however, this would be difficult in view of the existing separate financing programs. An advantage he indicated,

was that the Implementation Board, representing two levels of government, and the Water Board, representing local government, could decide definitions together.

Mr. Gordon asked whether there was funding available for feasibility studies of collection and treatment facilities. Mr. Colclough indicated that usually the designated area is taxed and a feasibility study is done under the Regional District. The Secretary-Manager indicated that there was some funding under C.M.H.C. which was available for feasibility studies, particularly in areas of small population where per capita cost would be high. Mr. Woodward suggested that the Okanagan Basin Water Board, with a part of its one mill levy, could be involved in feasibility studies.

Mr. Stuart indicated that waste treatment costs in the Okanagan Basin considering tertiary treatment could be considered to be too high even with the existing funding. The Implementation Board should review this.

Mr. Tait indicated there has been some question as to what is an acceptable method of tertiary treatment. Some areas are considering spray irrigation; in other areas, chemical treatment is an option. He asked what would be acceptable to the Implementation Board. Mr. Simmons indicated that effluent discharges would come under the Pollution Control Act. This would be worked out with the Pollution Control Branch when permits are issued.

Mr. Colclough indicated that the Okanagan Basin study aimed mostly at the removal of phosphorous. There has been some criticism that nitrogen, as well as phosphorous, is a factor to be considered. Mr. Simmons indicated that at the time of the study, phosphorous was considered to be the prime cause of undesirable growth in the lake, however that would not completely eliminate the importance of any other matter.

Mr. McLaren mentioned that phosphorous was still considered to be a very important element. There would be a difference from one site to another. Nitrogen could be a factor in some areas. Mayor Kenyon indicated that the Penticton Plant seems to be doing a good job in removing phosphorous from the discharge into Skaha Lake. He indicated most of the problems appear to be prevalent in areas which do not have tertiary treatment plants. Mr. Colclough indicated that in some areas, tertiary treatment by chemical means may be the only method available. In other areas, spray irrigation may be more suitable. Whatever is the most economical method in each area should be used.

Mr. Gordon indicated that if individual waste treatment projects are left up to the initiation of each area, all the projects will not get off the ground in time. He suggested, therefore, that feasibility funds be made available soon for feasibility studies. He suggested that if 17 million dollars has been designated under C.M.H.C. to the Okanagan Basin Waste Treatment Projects, that part of these funds should be used for feasibility studies. Mr. Woodward indicated that in a round about way some of the C.M.H.C. funds are available for feasibility studies once the program is underway, but the initiative has to come from the local Regional Boards or municipalities. The Water Board could only bring to the attention of the municipalities and the Regional Districts, the existence of any funds for feasibility studies. He suggested that feasibility studies could be the role of the Water Board. Money raised from the Water Board could be used to stimulate implementation of the program by providing the feasibility study. The Chairman would see if part of the C.M.H.C. funds could be designated for feasibility studies.

Mr. Woodward indicated that the C.M.H.C. funding does make provision for feasibility studies as part of the overall cost of the project. It is covered as part of the overall cost of the whole project.

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Mr. Colclough indicated that he, Mr. Stuart and Mr. Postill would meet in the near future to decide on what types of waste treatment facilities would be considered eligible for Basin-wide cost sharing.

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The meeting adjourned at 4:10 p.m.

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\_\_\_\_\_  
Chairman

\_\_\_\_\_  
Secretary-Manager

MINUTES FROM THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE  
OKANAGAN BASIN WATER BOARD, THURSDAY, MAY 6, 1976, 1:30 P.M.  
OFFICES OF THE REGIONAL DISTRICT OF OKANAGAN-SIMILKAMEEN,  
1101 MAIN STREET, PENTICTON, B.C.

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esent	F. Colclough	Chairman	R.D.O.S.
	A. Kenyon		R.D.O.S.
	K. Boothe		R.D.O.S.
	J. Tait	Alternate	R.D.O.S.
	C. Day		R.D.C.O.
	J. Stuart		R.D.C.O.
	D. Booth	Alternate	R.D.C.O.
	R. Postill		R.D.N.O.
	W. Gordon		R.D.N.O.
	R. French	Alternate	R.D.N.O.
	W. Parchomchuk	Secretary-Manager	

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The Chairman indicated that regular business of the Board could be held over until the following meeting. He indicated the main purpose of this meeting would be to review any items as required prior to meeting with the Implementation Board at 2:00 p.m. The meeting with the Implementation Board at 2:00 p.m. would largely be for organizational purposes. A brief agenda was drawn to the attention of the Board.

Mr. Postill inquired whether the 25% cost sharing would apply to the Coldstream Sewage Disposal System which involved a large trunk line to tie in with the City of Vernon's treatment facilities and spray irrigation project. He indicated that since the hook-up was essentially into a tertiary treatment facility, the cost of the hook-up should apply for the 25% cost sharing over the Basin.

Mr. Stuart indicated that the decision of cost sharing up to one mill was a Water Board decision and it would not be the decision of the Implementation Board, although they may have some comments.

Mr. Colclough indicated that since the Coldstream Trunk Line is in place of a plant that would normally have to be built, and it was part of a tertiary treatment system, it should qualify for Basin-wide cost sharing. Mr. Postill indicated there was some urgency for the Municipality of Coldstream to know concerning the qualifications as they were in the process of going ahead with the project. The Secretary-Manager indicated to the Board that the definition of sewage treatment and collection facilities that would qualify under the formula have not yet been clearly settled by the Board. It had been indicated that tertiary treatment costs would be certain to qualify, but whether trunk lines would qualify remains uncertain.

Mr. Stuart indicated that the trunk line from Coldstream to Vernon should qualify for sharing under the Basin-wide formula and the "buy-in" cost into the Vernon Tertiary Plant should also qualify.

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The In-Committee meeting of the Water Board was adjourned at 2:00 p.m. as the Implementation Board entered the meeting.

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Chairman

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Secretary-Manager

MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD  
JUNE 3, 1976, 2:00 P.M., OFFICES OF THE REGIONAL DISTRICT  
OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

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Present	F. Colclough	Chairman	R.D.O.S.
	A. Kenyon		R.D.O.S.
	K. Boothe		R.D.O.S.
	C. Day		R.D.C.O.
	J. Stuart		R.D.C.O.
	L. Dooley		R.D.C.O.
	S. Fleming		R.D.N.O.
	W. Gordon		R.D.N.O.
	R. French	Alternate	R.D.N.O.
	W. Parchomchuk	Secretary-Manager	

Also Present

S. Buckler, Observer, Peachland

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Minutes Day - Boothe

That the minutes from the meeting of April 1, 1976 and May 6, 1976 be adopted as circulated.

CARRIED

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Accounts Fleming - Day

That the accounts totalling \$810.60 be received.

CARRIED

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Correspondence

The Hon. .Nielsen,  
.Phillips,  
Re: Cattle  
Feedlots

1. Letter of April 30, 1976 from the Honourable James Nielsen, Minister of Environment; and letter of March 31, 1976 from the Honourable Don Phillips, Minister of Agriculture.

These letters were in reply to the Water Board's correspondence concerning the winter feeding of cattle upon stream banks in the Okanagan. The Ministers informed the Board that the British Columbia Federation of Agriculture has a self-policing pollution control program which allows a formal complaint to be filed with the Federation of Agriculture, and the Federation will ensure that appropriate action is taken.

The Secretary-Manager indicated that he has been in touch with these people and has since filed formal complaints. It was just a matter of receiving a reply from the B.C. Federation of Agriculture.

Kenyon - Day

That the correspondence from the Minister of Environment and the Minister of Agriculture concerning cattle feedlots be received and filed.

CARRIED

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The Hon.  
J. Nielsen  
Re:  
Dredging

2. Letter of April 23, 1976 from the Honourable James Nielsen, Minister of Environment.

This letter was in reply to the Water Board's earlier correspondence concerning a proposal to use dredge spoil from weed control operations to reclaim foreshore land. The Provincial Government indicated they would consider a dredging and land fill program only after completion of a technical and environmental study which would be a local responsibility.

A study would be the responsibility of the Water Board. The only assistance the Provincial Government is offering is at the technical level.

K. Boothe mentioned that changing the contour of the land would have various biological effects.

The Secretary-Manager indicated that beaches have been ruined by a build-up of organic muck. If these areas were filled in with dredge spoil material new beaches would be created.

Mayor Fleming said that such a technical and environmental study concerning dredging should come under the jurisdiction of the Provincial Government. He also mentioned that the Water Board does not have the facilities, nor the authority to undertake such a study, and it would be unfortunate to let this matter stand in the way.

Mayor Kenyon indicated that lowering of the lake to expose more foreshore for recreation use would also be an alternative to dredging.

Mr. Colclough suggested that one particular area be examined and a layman's study be prepared and referred to the Implementation Board. An area which poses few upland ownership problems should be chosen.

J. Stuart suggested that the Okanagan Basin Water Board write to the City of Kelowna asking if the City could suggest a likely area for a dredging project.

A. Kenyon further suggested that the Water Board write to all the Regional Districts and see if they have any areas in mind for a dredging project.

Stuart - Kenyon

That the Okanagan Basin Water Board write to the three Regional Districts in the Basin asking for suggested dredging projects which could be studied in more detail. One specific site would be considered as a pilot project to be presented to the Provincial Government for final concurrence.

CARRIED

Osoyoos  
Ratepayers  
Re: Frag-  
ment drift-  
Osoyoos  
Lake.

3. Letter of May 2, 1976 from the Osoyoos Rural Ratepayers Assoc.

The letter expressed concern over the drift of aquatic weed fragments downstream into Osoyoos Lake. Screening should be placed between Skaha Lake and Vaseux Lake and between Vaseux Lake and Osoyoos Lake to prevent the drift of aquatic weed fragments.

The Secretary-Manager, in referring to reports from Bob Nijman and Peter Newroth of the Water Investigations Branch, indicated that some physical problems have been encountered in placing screening to trap aquatic weed fragments. He suggested that professional engineering advice is needed to secure an effective screening system.

Mr. Colclough suggested a letter be written to the Osoyoos Rural Ratepayers Association informing them that the Water Board was concerned with the problem and are doing all they can to prevent this downstream movement of aquatic weed fragments. The Department of Environment should be contacted to hasten placement of proper aquatic weed trapping screens.

Stuart - Fleming

That the Okanagan Basin Water Board draw to the attention of the Minister of Environment the need to quickly place adequate screening in the Okanagan River Channel to prevent drift of aquatic weed fragments into Osoyoos Lake, and further that copies of correspondence be forwarded to all MLA's and MP's concerned.

CARRIED

Progress  
Report:  
Aquatic  
Weed  
Control

Reporting on the weed eradication program to date, the Secretary-Manager indicated the program is behind schedule because of restricted working hours due to stormy weather, vandalism and general breakdown of old equipment. Approximately 110 acres have been treated so far in the Kelowna area. Preparations were being made to move the equipment to Vernon.

He mentioned that most of the cost of the project has been associated with research and development of equipment, rather than the operating cost. Since results of this research could be beneficial to other parts of Canada, the Federal Government should be responsible for some funding.

The Provincial Government has been given permission to experiment with the herbicide 2,4-D in a three acre test plot on the north arm of Okanagan Lake. The Water Board has written a letter to the B.C. Interdepartmental Pesticide Committee for permission to use diquat and paraquat herbicides in the Kelowna and Penticton Boat Basins this year. The Secretary-Manager indicated the B.C. Interdepartmental Pesticide Committee required permission of Dr. Clarke, Medical Health Officer before they would consider the Water Board's application.

Since most of the polyethylene layed on Skaha Beach in Penticton was lifted by a storm, the use of this material is being restricted to only very small weed patches in sheltered water.

The Water Resources Service were in the process of preparing a fact sheet concerning studies on various herbicides. The Secretary-Manager suggested that arrangements could be made for a Biologist from the Water Resources Service to be present at a Water Board meeting to present this information on herbicides. There has been some opposition from several government agencies for even the experimental use of herbicides. K. Boothe requested that information on herbicides be compiled and brought to the Board.

The Board then reviewed the summary of accounts incurred to date under the Weed Eradication Program. The Secretary-Manager pointed out the Water Board's share to the end of May was approximately \$38,000.00. There would be approximately \$90,000.00 left in the total program for next year. The Board's attention was drawn to an invoice from A.G.M. Equipment. It was recommended that a portion of this invoice not be paid owing to overcharges.

The Secretary-Manager stressed the high cost and financial risk involved in researching and developing the aquatic weed derooting equipment. There was no guarantee of long term success with this equipment.

...

Mayor Kenyon wondered whether the Water Board was qualifying for Federal Sales Tax exemption. The Secretary-Manager indicated the Tax Department was not clear concerning the status of the Water Board in this regard. However, suppliers have been informed that the Water Board should be exempt from Federal Sales Tax.

Mayor Kenyon also suggested that the Board apply the cost of wages under the L.I.P. program to the cost of the project and claim half the amount from the Province.

Fleming - Day

That the Water Board write to the Provincial Minister of Finance and the Federal Minister of National Revenue requesting that the Board be exempt from Federal Sales Tax on the basis that the Weed Eradication Program is a joint Provincial project involving pollution control, and further that copies of this correspondence be forwarded to MLA's and MP's concerned.

CARRIED

Boothe - Stuart

That the accounts incurred under the Weed Eradication Program be received as presented.

CARRIED

Dooley - Gordon

That the Okanagan Basin Water Board forward a letter to the senior levels of Government outlining the research and development of equipment the Water Board has done, and request financial assistance for research and development costs.

CARRIED

The Secretary-Manager mentioned that after experimenting with several types of booms for containment of aquatic weed fragments, the most suitable design has been selected. He suggested that the less efficient wire fencing be replaced by additional lengths of floating boom.

Stuart - Fleming

That the Water Board acquire an additional 1,000' of material to construct an aquatic weed retention boom.

CARRIED

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Applications for Pollution Control Permits

-Val  
Holdings  
Vernon

Application for Pollution Control Permit by K-Val Holdings Ltd. to discharge backwash water from a swimming pool and swirl pool at Tillicum Valley near Vernon. Discharge would be to a subsurface drainage field. The amount of discharge would be 1,500 gal. daily.

R. French and W. Gordon confirmed that this application has now been granted.

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Shannon  
Lake  
Estates:  
Westbank

Application for Pollution Control Permit by Shannon Lake Estates Ltd. to permit the discharge of effluent from a residential subdivision near Westbank. The volume of discharge would be an average of 23,000 gallons daily. Effluent would be treated prior to discharge into the ground.

There had been no objection to this application by the Technical Planning Committee and the Regional Board of the Regional District of Central Okanagan.

Stuart - Kenyon

That the application for a Pollution Control Permit by Shannon Lake Estates Ltd. be approved.

CARRIED

Fiberplast  
Products:  
Winfield

Application for Pollution Control Permit by Fiberplast Products Ltd. to permit the discharge of effluent from a Polyester Resin Manufacturing Plant at Winfield, B.C. The average daily discharge would be 300 gallons per day. The effluent would be trucked to a land disposal site.

There had been no objection to this application by the Technical Planning Committee and the Regional Board of the Regional District of Central Okanagan.

Stuart - Dooley

That the application for a Pollution Control Permit by Fiberplast Products Ltd. be approved.

CARRIED

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Other Business

The Chairman read a letter from P.M. Brady, Director, Water Investigations Branch, expressing their satisfaction with the operation of the weed eradication program to date.

Day - Kenyon

That the letter from P.M. Brady be received and filed.

CARRIED

The Chairman expressed appreciation to the Secretary-Manager on behalf of the Board for work on the weed eradication program to date.

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There being no further business, the meeting adjourned to Committee at 3:50 p.m.

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Chairman

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Secretary-Manager

Rock  
marking-  
Skaha Lk.

Mr. Colclough indicated that while the Skaha Lake weed eradication was being done, he had authorized some work to be done on marking rocks on Skaha Lake. The total amount of labour, materials and rentals for the project came to \$435.92. He had asked the Board whether they would authorize payment for this amount for the rock marking. This would be included under the Weed Eradication Program. The Water Board agreed that this amount would be paid by the Board and it would be claimed for payment under the Weed Eradication Program.

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The meeting adjourned at 5:00 p.m.

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Chairman

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Secretary-Manager

MINUTES FROM THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE OKANAGAN BASIN WATER BOARD, JUNE 3, 1976, 4:00 P.M. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 GROVES AVE. KELOWNA, B.C.

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present

F. Colclough	Chairman	R.D.O.S.
A. Kenyon		R.D.O.S.
K. Boothe		R.D.O.S.
C. Day		R.D.C.O.
J. Stuart		R.D.C.O.
S. Fleming		R.D.N.O.
W. Gordon		R.D.N.O.
R. French	Alternate	R.D.N.O.
W. Parchomchuk	Secretary-Manager	

Septic Tank Regulations

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The Chairman asked whether the three Regional Districts had reviewed the new Proposed Okanagan Basin Septic Tank Regulations. He was informed that the Regional District of North Okanagan and Central Okanagan had referred them to their Technical Committees for review. He asked that comments concerning these regulations be forwarded to the Water Board office as soon as possible.

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Grants - Feasibility Studies

In referring to past discussion on grants for feasibility studies for sewerage systems, Mr. Colclough indicated that amount spent on studies were claimable as part of the overall project cost once construction is approved.

Mr. Gordon indicated that grants provided under C.M.H.C. for feasibility studies were long in coming.

Mr. Stuart suggested that Regional District Reserve Funds be used for feasibility studies and that the Water Board support applications for grants. The Board should work through the Implementation Board in securing grants for the priority areas for waste treatment.

It was agreed that when applications for grants for feasibility studies are made by Regional Districts the Water Board would provide a supporting letter.

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Basin-wide Finance Formula

Mr. Colclough reported that the Chairmen of the three Regional Districts had met concerning the Basin-wide Finance Formula. It appeared that in order to avoid complications with definitions, all sewage facilities, rather than just treatment plants, would have to be included in the Formula. Mr. Stuart indicated the Regional District of Central Okanagan wished to enter a Finance Formula that would commit the Provincial Government. He indicated the Implementation Agreement was largely a flood control agreement and did not emphasize cleaning up the lake. It is essential to tie the Provincial Government in this project to be assured of participation in waste treatment. Mr. Stuart urged that the Finance Formula for the Basin be tied into the Provincial Bill 88 as the definition of works which would qualify would be determined by the Province and would not be subject to local debate. Unless the Province is committed to Bill 88 cost sharing, there would be no guarantee of future Provincial assistance. Bill 88 is actively being looked at by the Province for changes. Only on those projects where a commitment has already been made is the Province tied in for 20 years. This Bill may have to be negotiated with the Province. The Letters Patent of the Board should be changed to commit the Province to sharing in those waste treatment projects recently recommended.

. . .

Mayor Fleming agreed that tying into Bill 88 would be the best hope of securing Provincial assistance. It would also save the Board from having to arbitrate what were acceptable works to be shared.

Mr. Colclough indicated that it was the concern of the Regional District of Okanagan-Similkameen that if the Okanagan Basin Water Board, following Provincial sharing, were to pay the full 25% of the balance remaining on sewage treatment works after three mills, the funds in the one mill levy would not last. Therefore it was suggested that the amount of sharing be reduced to 18%, but that this sharing pertain to all sewage works rather than just treatment plants.

Mayor Fleming indicated that the Regional District of North Okanagan was prepared to accept the 25% sharing, even if the one mill in future years does not pick up the entire 25% balance. If necessary, in future years, a ½ mill could be added to the levy. The present levy of one mill based on the 25% cost-sharing formula would last to 1984.

Mayor Kenyon indicated it may be difficult to justify a two mill levy at the present time; however, a one mill levy is not likely to receive much complaint.

Mayor Fleming indicated if in future years the levy must increase, the Board may wish to make a differential between the amount levied on sewered areas and those areas not sewered. Mayor Kenyon recalled that the 25% sharing was based only on plants and perhaps trunks, however, the 18% sharing would apply to all works that are covered under Bill 88.

Mayor Fleming said that he would go back to the Regional Board of the Regional District of North Okanagan and explain the compromise wherein the Water Board would now cover 18% of all sewage treatment costs, rather than 25% of just waste treatment costs.

Mayor Kenyon felt that sharing of only 18% of the cost was a suitable concession and he would be willing to support this.

Mayor Fleming indicated that he would take this proposal back to the Regional District of North Okanagan, and that a letter would immediately be sent to the Water Board office so that plans could be made to change Letters Patent.

The Board agreed that in getting a commitment from the Province to share under the Sewerage Facilities Assistance Act the wording must be careful to include reference to the Act as effective on this date.

In summary, the Chairman suggested that all three Regional Districts inform the Okanagan Basin Water Board whether they now approve the cost-sharing formula of 18% of annual debt beyond three mills on all sewage facilities rather than just on sewage treatment works.

Mr. Stuart suggested the three Administrators draft the same request for amendments to Letters Patent to be submitted to Municipal Affairs following the concurrence of the three Regional Boards on the formula and the changes to Letters Patent.

NOTES FROM A MEETING BETWEEN REPRESENTATIVES OF THE OKANAGAN BASIN WATER BOARD AND REPRESENTATIVES OF THE OKANAGAN BASIN IMPLEMENTATION BOARD, JULY 8, 1976, 10:30 a.m. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

P. sent

G. Simmons, Chairman, Implementation Board, B.C.  
M. Clark, Vice-Chairman, Implementation Board, Canada  
B. Quigg, C.M.H.C.  
F. Colclough, Chairman, O.B.W.B.  
J. Stuart, Vice-Chairman, O.B.W.B.  
W. Parchomchuk, Secretary-Manager, O.B.W.B.

Mr. Simmons indicated that the Implementation Board felt there was a need to establish some direction as to how implementation of the sewage treatment recommendations of the Okanagan Basin Study could proceed and how the Implementation Board could assist the Water Board. He indicated that the Implementation Board had a meeting with C.M.H.C. There was a need for someone to assist in putting together the overall concept of waste treatment in the Basin. Individual elements throughout the Basin would have to be put together, cost projections made, and a schedule established. He suggested that the Implementation Board and the Water Board find a consultant to put together a summary of all the waste treatment programs in the Basin and to establish a plan for approval by financing authorities. Some of the cost to prepare the summary study could be defrayed by federal funding under the C.M.H.C. program. The Water Board and Implementation Board would end up with a program that would form a part of the total scheduling of implementation.

Mr. Quigg explained that a 50% grant for costs involved in the creation of a Regional sewage and water plan were available from C.M.H.C. There had been some question as to what is considered a Region. The \$17 million dollar allocation under the joint Okanagan Basin Implementation Agreement was designated rather loosely, however the funds would be made available as needed. C.M.H.C. did not have a firm plan for the \$17 million, however, this would not effect its availability. Grants for last years applications for feasibility studies for regional sewage plans were stalled at the moment because of disagreement between the Province and the Federal Government as to how a region is to be defined in qualifying for such grants. He indicated that a Regional sewage plan must be in place before individual sewage plants are proceeded with. There is a list of applications already made individually for grants for feasibility studies, however it is doubtful that these would qualify since they are not regional in scope. He indicated that C.M.H.C. was thinking in terms of a general plan and would approve 50% of the cost of a preparation of a general plan. He suggested that the Water Board be used as a vehicle by the three Regional Districts to present an overall plan for the Okanagan Basin as a Region. The Okanagan Basin does qualify as a region. This would help the Province and the Implementation Board in the general planning, budgeting and cost scheduling process.

Mr. Stuart expressed some concern that it simply meant another study. The independent Municipalities have a common end objective of reaching outfall removal or nutrient curtailment into the Okanagan Basin. Many of the communities are well on their way to implementing construction programs to this end. The City of Kelowna has studies and will be going to referendum next spring. Similarly the cities of Penticton, Vernon, Kelowna and Coldstream have advanced their studies considerably. A decision has to be made by senior levels of government as to whether or not land will qualify for government assistance in sewage disposal schemes.

. . .



The Secretary-Manager mentioned that a sketchy five-year plan indicating costs of sewage implementation has already been done, however the costs are outdated now and should be revised and a new schedule prepared. Feasibility studies have been done in most of the areas in question already and it is now a matter of summarizing these.

Mr. Colclough suggested perhaps the individual Regional Districts could summarize the programs in their District. The summaries could then be presented to the Water Board.

Mr. Colclough felt a fairly accurate schedule and cost estimate could be presented by Regional Districts. Mr. Quigg indicated that when he had met with the Board, a need was indicated to establish the basis upon which priorities could be scheduled. He indicated that some commitments under the Okanagan Basin Study have already been made by C.M.H.C. to Communities such as Vernon and Coldstream. Osoyoos was presently applying. He indicated that C.M.H.C. would provide the equivalent of 25% forgiveness for borrowing of municipal loans for sewage treatment purposes. Traditionally, C.M.H.C. has not had priorities but these are required now because of the larger demands on a limited amount of funds. He wasn't suggesting that another study be done, but rather that all the existing information and costs and scheduling throughout the Basin be pulled together in one report.

Mr. Simmons indicated that a schedule should be provided for the Basin as a whole for financial planning.

Mr. Simmons indicated that one person could bring all the material together by visiting the individual communities and Regional Districts. An overall plan could be prepared as referred to in the agreement. C.M.H.C. funding could be used under this definition.

Mr. Stuart indicated that the Water Board could make a summary study of the whole Basin and make one application to C.M.H.C. but this should not interfere with the progress of individual community sewage schemes. The projection would have to be done over a five year period.

Mr. Quigg suggested that the application form for C.M.H.C. grants for feasibility studies be looked at carefully to be certain that all the information required is included.

Mr. Simmons indicated that there are some funds available from C.M.H.C. to pay towards individual feasibility studies if they are brought together under a Regional Concept. Up to 50% of the cost of feasibility under a Regional Sewage scheme are refundable by C.M.H.C. It would be advisable to go to C.M.H.C. before the study is done to indicate that the work needs to be done. After the plan is completed it would be presented to C.M.H.C.

Mr. Quigg mentioned that he was referring to something in addition to feasibility studies done by individual consultants for individual communities. He indicated that C.M.H.C. wished to have an idea of the whole basin area. The Water Board could make a good case if the application came from the Board rather than through individual Regional Districts, since the Board covered the entire Basin.

Mr. Simmons felt the starting point would be an agreement between the two Boards to get someone in the field to pull the material together. Mr. Stuart indicated that the financial staff from the three Regional Districts could pull some information together fairly quickly.

Mr. Simmons indicated that individual municipalities should still proceed with the work they are doing and should in no way be slowed down. He indicated that the objective of the entire program was to improve the water quality in the Okanagan Basin. The comprehensive plan must meet that objective. Works must be installed to accomplish what is intended and the Implementation Board has the responsibility to see that the objective is met.

Mr. Simmons mentioned that the persons to do the study should have some familiarity with the Department of Municipal affairs in making grants for sewage treatment schemes.

The Secretary-Manager mentioned that if engineering costs are to be gathered throughout the Basin there are one or two firms in the Valley who are very familiar with most waste treatment schemes of individual communities, and these individuals could bring all the costs and scheduling together into one report.

Mr. Stuart indicated that the proposal would have to be placed before the Okanagan Basin Water Board who would have to agree whether to spend the funds on such a summary. He asked whether the Implementation Board had any funds towards such a study. He indicated that filling out the application forms for C.M.H.C. alone would involve considerable cost in getting all the required information. He indicated that a limit should be put on the costs of the study. Perhaps a figure of \$10,000.00 may be reasonable.

Mr. Simmons suggested that the Implementation Board staff would work directly with the Water Board on assembling the information. He indicated that necessary steps are now being taken to set up a staff for the Implementation Board.

Mr. Colclough and Mr. Stuart indicated that the concurrence of the Water Board would be required first and then perhaps a local engineer contacted. The name of Mr. Slee was suggested and perhaps Mr. Ken Smith would also be contacted for his knowledge on the requirements for the Department of Municipal Affairs. Mr. Simmons suggested that a representative of the Implementation Board would meet with representatives of the Water Board and perhaps an engineering consultant and a representative of C.M.H.C. to set up the terms of the study.

Mr. Stuart indicated that a meeting should be arranged through the Water Board office. He mentioned that all of the implementation works under the study depend on the existing conditions in Bill 88, the Municipal Sewerage Facilities Assistance Act, staying in place. The cost to individual communities would be prohibitive if Bill 88 sharing is not sustained. Mr. Quigg indicated that C.M.H.C. and the Province have to derive a schedule for funding not only for the Okanagan, but for the entire Province.

Mr. Simmons indicated that Mr. Leach of the Water Resources Service in Victoria could be contacted if the Board wished to explore any further details with the Implementation Board. Mr. Stuart indicated the Board would be in touch also with Mr. Quigg in Kelowna.

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The Chairman mentioned to Mr. Simmons that he and the Secretary-Manager had attended a public meeting in Osoyoos where considerable concern was expressed about the lowering lake levels of Osoyoos Lake and the Zozel Dam which is in faulty repair. He asked concerning progress on this matter. Mr. Simmons indicated the matter was before the International Joint Commission. He suggested that a letter be written to Mr. Marr for a progress report.

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The meeting adjourned at 12:30 p.m.

MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD  
JULY 8, 1976, 2:00 P.M., OFFICES OF THE REGIONAL DISTRICT  
OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

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Present	F. Colclough	Chairman	R.D.O.S.
	K. Boothe		R.D.O.S.
	C. Day		R.D.C.O.
	J. Stuart		R.D.C.O.
	D. Booth	Alternate	R.D.C.O.
	S. Fleming		R.D.N.O.
	W. Gordon		R.D.N.O.
	W. Parchomchuk	Secretary-Manager	

Also Present

Dr. P. Newroth, Biologist, Water Resources Service  
P. Lim, Water Resources Service  
S. Hanna, Water Resources Service  
S. Buckler, Observer, Peachland  
T. Carter, Secretary, Assoc. of B.C. Irrig. Districts  
D. Morris

Minutes

Boothe - Stuart

That the minutes from the meeting of June 3, 1976 be adopted as circulated.

CARRIED

Accounts

Accounts outstanding totalling \$340.78 were presented. These accounts were exclusive of accounts incurred under the joint weed eradication program.

Stuart - Boothe

That the accounts outstanding totalling \$340.78 be paid.

CARRIED

W. Gordon and S. Fleming entered at 2:10 p.m.

Financial  
Statements

The Secretary-Manager presented audited financial statements for the year ended December 31, 1975. Various expenditures and revenues were explained to the Board. The total expenditure indicated was \$57,289.00. A surplus of \$7,367.00 remained at the end of the year.

Boothe - Fleming

That the Financial Statements for the period ended December 31, 1975 be accepted.

CARRIED

Correspondence

Hon.  
W.R. Ben-  
nett; B.E.  
Marr, Re:  
Downstream  
drift of  
aquatic  
weed  
fragments

1. Letter of June 22, 1976 from the Honourable W.R. Bennett, Premier, and a letter of July 2, 1976 from B.E. Marr, Deputy Minister of Environment.

Both letters were in relation to the drift of aquatic weed fragments downstream in the Okanagan lake system. Mr. Marr's letter was in response to a letter from the Water Board of June 8, 1976 indicating concern over this matter. Mr. Marr informed that the Department of Environment will be proceeding with the installation of screening devices at key locations in the Okanagan system in an effort to prevent downstream spread of myriophyllum spicatum. The present plan was to install some screens at the outlet of Okanagan Lake, the outlet of Skaha Lake, at two locations between Vaseux Lake and Osoyoos Lake, and if possible, at the highway bridge near Osoyoos.

Day - Boothe

That the letters from the Honourable W.R. Bennett and Mr. B.E. Marr be received.

CARRIED

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L.J.  
Wallace,  
Deputy  
Provincial  
Secretary  
Re: Water  
Act -  
K-Bar  
Ranches

2. Letter of June 9, 1976 from L.J. Wallace, Deputy Provincial Secretary.

This letter was concerning an appeal under the Water Act with regard to K-Bar ranches applications for Water Licences on Mission Creek. The letter informed that an appeal hearing concerning the above water licence applications would be held in the Executive Council Chamber, West Block, Parliament Buildings, Victoria, B.C. on Tuesday, July 20, 1976 at 10:00 a.m. The Deputy Provincial Secretary wished to be advised as soon as possible if a representative from the Board would be attending the meeting.

The Secretary-Manager indicated that some concern had been expressed by the objectors to the Water Licence applications that the meeting was being held in Victoria, when the application for a licence was on a stream in the Okanagan. Mayor Fleming expressed concern that the public hearing was held in Victoria rather than within the Okanagan Basin.

Fleming - Boothe

That the Okanagan Basin Water Board will not attend the appeal hearing concerning K-Bar Ranches water licence applications unless the hearing is held in the Okanagan Basin, and further that the Water Board will appeal the decision of any hearing held outside the Basin concerning these applications.

CARRIED

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F.N.O.  
dredge  
spoil  
material  
for  
reclaiming  
land

3. Letter of June 17, 1976 from the Regional District of North Okanagan.

This letter was concerning the use of dredge spoil material for reclaiming land for recreational or other use. The letter informed that the Okanagan Basin Water Board's letter of June 7, 1976 concerning this topic had been discussed at a meeting of the Regional Board. A committee has been appointed to study and recommend sites where dredge spoil material could be used. The Committee would report instructions to the Regional Board on July 14, 1976.

Mr. Colclough mentioned that a similar committee has also been established in the Regional District of Okanagan-Similkameen.

Stuart - Day

That the correspondence from the Regional District of North Okanagan be received and filed.

CARRIED

Assoc. of  
B.C.  
Grape  
Growers

4. Letter of June 16, 1976 from the Association of British Columbia Grape Growers.

This letter brought to the attention of the Water Board the possible effects of 2, 4-D on vineyards. Concern was expressed that if 2, 4-D was to be used in water for the control of aquatic weeds, that special consideration should be given to the location of vineyards. All grape varieties are very prone to damage from 2, 4-D either through direct application or through aerial drift, if sprays are to be used. Consideration should also be given to the location of water intakes which supply water to vineyards. 2, 4-D should not be used near these intakes.

The Association would assist wherever possible in locating irrigation intakes.

Mr. Boothe noted that Dr. Newroth would be reporting on this topic and felt discussion could be delayed until after his report.

Fleming - Gordon

That the letter from the Association of B.C. Grape Growers be received.

CARRIED

report:  
use of  
Herbicides  
for  
aquatic  
weed  
control

The Chairman introduced Dr. Newroth of the B.C. Water Resources Service. Dr. Newroth mentioned that a pamphlet and a poster had recently been distributed. The pamphlet outlines the various aspects for the control of aquatic weeds and informs lakeshore residents to keep beaches clear of fragments to prevent spread. Boat-ers, when transporting their boats from lake to lake, are warned not to spread fragments by having weeds attached to propellers.

Mr. Fleming indicated some concern that residents in the Kalamalka Lake area had not yet received the pamphlet. Mr. Colclough suggested that other lakeshore areas be checked out to see whether they have received the pamphlet. Most areas had received them, however there may not have been complete distribution. It was also suggested the pamphlet be distributed to the news media.

Mr. Newroth mentioned that since the weed removal equipment had been working in the Kelowna area there had been an improvement on the beaches. He explained that herbicides had been tested in boat basins in the Okanagan system the previous year. The only herbicides which were approved for the safe use in water had been used. Everything had been done according to strict regulations. Herbicides used so far only gave control of aquatic weeds for one season, therefore tests were presently being conducted with the use of 2, 4-D in the north west arm of Okanagan Lake. He introduced Miss Pat Lim who would explain some of the details and the safety aspects of the use of 2, 4-D.

Miss Lim presented a complete report on the use of 2, 4-D for plant control. She explained that 2, 4-D is a systemic herbicide and is particularly good on broad leafed plants. It acts as a growth hormone on plants causing plants to grow very rapidly and abnormally, thereby the plant grows to death. Results have shown that it is highly effective against *Myriophyllum spicatum*. The residues in the water and soil after the use of this herbicide are at a very safe level. She explained the effects, if any, on livestock and humans. The only harm to humans would be if the material were eaten directly. Domestic animals should be kept from sprayed areas for two weeks. Cattle had been fed on pastures sprayed with 2, 4-D and there has been no toxicity.

Considerable amounts of testing have been done with 2, 4-D on agricultural crops both in California and in England. Higher concentrations of 2, 4-D will effect tomatoe and cotton crops. Concord grapes are highly susceptible to damage by 2, 4-D.

Some allergic reactions to 2, 4-D have been noted in farmers applying the material, however, there are no real serious symptoms. The acute lethal dose to humans would be 62 grams per man. The U.S. Public Health Service Standards indicate that not more than .1 part per million 2, 4-D should occur in drinking water for more than 2 or 3 days a year for two or more times a year.

Mr. Gordon questioned the length of time the material lingered in the soil after application. Miss Lim explained that in some isolated cases the material has been present in the soil up to ten months, but usually it disperses very rapidly and is non-toxic after about three weeks. The initial release of the material is taken up very rapidly by the plants and the residue breaks down in the water fairly quickly.

Mr. Colclough asked concerning the effects 2, 4-D had on grapes when used in the Okanagan River Channel. Mr. Newroth explained that the 2, 4-D was applied in a mist form to the Okanagan River Channel several years ago. If herbicides were to be used for aquatic weed control it would be injected as a granule and there would be no risk of spray drifting and effecting surrounding crops. 2, 4-D has been used extensively in agriculture but has not been used in B.C. water. Therefore it is being approached very carefully.

Mayor Fleming asked whether 2, 4-D would be applied only in a very carefully controlled program and if it would only be applied in areas where there would be no other effect. Mr. Newroth explained

that this would be the aim. The program would have to be undertaken in a most careful manner and would require approval of all government departments before proceeding. Mr. Booth asked how effective the herbicide was on the aquatic plant. Mr. Newroth explained that in the trials in the north arm of Okanagan Lake, the herbicide had knocked over the plant. There appears to be very little regrowth. The right amount of the material has to be used in each circumstance.

Mr. Colclough suggested that different rates would have to be applied at different locations and the material could be used around wharves and in rocky areas where machinery could not operate.

Mr. Morris asked how long after 2, 4-D application to water would it be before the water could be used. Mr. Newroth indicated that it would be approximately two weeks before water could be used for drinking.

Stuart - French

That a letter be written to the Association of B.C. Grape Growers indicating that their concern would be taken into consideration and that if herbicides are used they would be used with discrimination, and care would be taken not to use this herbicide near vineyards or intakes to vineyards.

CARRIED

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Other Business

Osoyoos  
Lake

The Chairman mentioned that he and the Secretary-Manager had recently attended a public meeting in Osoyoos concerning water quality and quantity matters in that area. He indicated that a large amount of concern had been expressed relating to the dam at the outlet of Osoyoos Lake. The present dam could not prevent the lake from dropping to lower levels which had recently been experienced. Residents were also concerned about a man-made island in the lake which was blocking flow circulation on a large stretch of beach. This matter had been previously referred to the local Lands Department, however, there has still not been any action. Mr. Colclough suggested that he would write to the Minister to take action.

The Secretary-Manager explained that the office of the Water Board had been contacted by Mr. G. Whittaker, M.P. Mr. Whittaker indicated that Mr. W. Jarvis, opposition critic from the Department of Environment, would be visiting the Okanagan on August 9th and wished to be taken on a tour of the Basin.

Day - Gordon

That the Okanagan Basin Water Board take Mr. W. Jarvis on a tour of the Okanagan Basin on August 9, 1976.

CARRIED

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The meeting adjourned to Committee at 3:10 p.m.

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CERTIFIED A TRUE AND CORRECT COPY.

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Chairman

Secretary-Manager



MINUTES FROM THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE OKANAGAN BASIN WATER BOARD, JULY 8, 1976, 3:20 P.M. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 GROVES AVE. KELOWNA, B.C.

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Present

F. Colclough	Chairman	R.D.O.S.
K. Boothe		R.D.O.S.
C. Day		R.D.C.O.
J. Stuart		R.D.C.O.
D. Booth	Alternate	R.D.C.O.
S. Fleming		R.D.N.O.
W. Gordon		R.D.N.O.
D. French	Alternate	R.D.N.O.
W. Parchomchuk	Secretary-Manager	

Summary  
of Waste  
Treatment  
Projects  
in the  
Okanagan  
Basin

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Mr. Colclough indicated that he and Mr. Stuart and the Secretary-Manager had met with Mr. G. Simmons and Mr. M. Clarke of the Implementation Board and Mr. Bruce Quigg, the local representative from C.M.H.C. The purpose of the meeting was to see what funds could be made available under C.M.H.C. for feasibility studies on a basin-wide basis for waste treatment.

Mr. Stuart explained that the Implementation Board had met over a week ago and had decided it would like a study done of all the waste treatment projects which are to be commenced in the next five year period under the Okanagan Basin Study Implementation Program. This would give an indication to C.M.H.C. of the timing and the funding required for scheduling these projects. The schedule would be used to calculate the cash flow requirements. This would not hinder in any way the \$17 million dollars committed by C.M.H.C. into the study. However, the Implementation Board do have to approve all projects. If all 11 priority projects for which feasibility studies have largely been done in the Okanagan Basin are tied together under one summary report, it is likely that C.M.H.C. could approve all 11 projects at once. Bringing all the projects together under one summary would also help to tie the Provincial Government under the Sewage Facilities Assistance Act into a guaranteed future cost sharing of all the projects which will be summarized and committed for development at this time. The suggested cost of the summary study would be approximately \$10,000.00 and C.M.H.C. would pay 50% of the cost under the provisions of Bill C-46. If the Implementation Board approves all the projects, then the first hurdle would be met. Since the Water Board is considered Regional in scope, it would therefore qualify for the C.M.H.C. funding of the feasibility study. Individual areas are not considered regional in scope and therefore could not qualify for a grant under C.M.H.C. for feasibility studies. If the Water Board is in favour of such a summary, the terms of reference could be set up with a meeting between Mr. Quigg of C.M.H.C. and the Implementation Board.

The Chairman indicated that the Provincial Sewerage Facilities Assistance Act has been tied into the Implementation Agreement. This is mentioned in two places within the Agreement. If a study were done summarizing all of the projects to be completed under the agreement, this would further lock the Province into assisting in financing projects scheduled for implementation.

Mayor Fleming expressed concern that even though the Implementation Board may approve all projects scheduled for implementation simultaneously, this does not guarantee that the Pollution Control Branch, the Health Branch and many other Government Agencies will guarantee their approval.

Mr. Colclough indicated an advantage of the summary would be to provide the Water Board with updated costs and a timetable for its own planning on the financial formula.

Mr. Gordon mentioned that the Okanagan Landing Sewage Feasibility Study had been discussed several weeks ago. In Okanagan Landing alone, \$4,000.00 would be required for a feasibility study.

Mr. Stuart indicated that the feasibility study the Implementation Board wished done, did not include individual studies, but rather a general summary of the total costs of all projects throughout the basin as a region. Mr. Stuart explained that the Board would have to collate what information is produced. Individual areas may be looking at treatment on different basis.

Mr. Boothe asked whether each individual area could send in updated figures. Mr. Colclough indicated that yes, updated figures would be required from each area, however, it would take an experienced individual or consultant some time to update and gather all the figures and compile them in a summary form.

Mayor Fleming suggested that when any individual community analyzes an area bringing out the ultimate costs, these should be filed with the Board. Some areas may not be ready to move at present.

Mr. Stuart indicated that if the Board does not approve of undertaking the summary of Okanagan Basin waste treatment projects, then it should indicate to the Implementation Board the position taken. If the Board collated the figures, perhaps the amount required to do the summary would not be the \$10,000.00 suggested figure. Perhaps it could be done for much less. However, an answer should be provided to the Province. The Board would be in a better position to lock the Province into cost sharing if the Basin projects are treated as a whole.

The Secretary-Manager indicated that if there is a firm plan and priorities schedule laid out that the \$17 million dollars which has been indicated in the Okanagan Basin Study Report would indeed then be allocated to the Okanagan Basin as a priority area. Presently there is no firm schedule for allocation of C.M.H.C. funds throughout the Province.

Mr. Gordon asked if there was any indication that if all the areas are brought under the Okanagan Basin Water Board for study, would C.M.H.C. then pick up the entire cost including the cost of individual feasibility studies. Mr. Stuart replied that there was a good possibility that by doing a study throughout the Basin that the C.M.H.C. could also cover some of the cost of providing feasibility studies of individual areas done by the separate regions, but forming part of the comprehensive basin-wide plan.

Mayor Fleming asked if the Board was then considering collection of all the studies to get back 50% of the cost incurred on all the feasibility studies.

Mr. Stuart replied that an attempt should be made to recover all the costs of all feasibility studies. Once the summary is written up the Board should get clear terms of reference before proceeding and a cost estimate of the study should be done before proceeding and the report made back to the Water Board. Mayor Fleming agreed on the basis of the recommendations from Mr. Stuart that the Board should proceed.

Fleming - French

That the Okanagan Basin Water Board adopt a summary study in principle to collate the cost figures and scheduling for all waste treatment projects in the Okanagan Basin to be implemented under the five-year Okanagan Basin Study and further that a meeting be held with the Implementation Board to establish clear terms of reference to be given to the engineering firm to undertake the required summary study.

CARRIED

Mr. Colclough suggested that he and perhaps the Vice-Chairman would meet with a representative of the Implementation Board, a representative of C.M.H.C. and perhaps a suggested engineering firm and lay out the terms of reference of the required study and also to get an estimate of the cost required. A report would be made back to the Water Board.

Letters Patent

Mr. Colclough informed that the three Regional Districts had now passed a resolution requesting changes in the Water Board Letters Patent. The changes related to the Basin-wide Finance Formula and the inclusion of all treatment works for funding. The resolution provided authority for the Water Board to incur a capital reserve fund as well. Mr. Stuart indicated that the resolutions from the three Regional Districts did not include the same wording because the administrators were not able to meet to decide on the exact wording; however, the intent of the three resolutions was the same. He suggested that the three Regional District advisors meet to get a consensus on the wording and that the same resolution be forwarded by each Regional District to Victoria for approval.

The Secretary-Manager would contact the Administrators of the three Regional Districts who would then agree on a common resolution. Each Regional Board would then pass the common resolution and forward it to Victoria as a request for change in Letters Patent.

Next Meeting

Mr. Colclough indicated that normally an August meeting of the Water Board is not held. Mayor Fleming suggested that an August meeting of the Board be left to the call of the chair.

W. Jarvis to visit Okanagan

Mr. Colclough reported that George Whittaker, M.P., Okanagan Boundary had contacted the Water Board office informing that Mr. W. Jarvis, M.P. and opposition critic to the Federal Minister of Environment, would be making a visit to the Okanagan on August 9th and wished the Okanagan Basin Water Board to give him a tour of the environmental problems in the Basin.

Mr. Stuart suggested that the Chairman of the Board meet with Mr. Jarvis and perhaps the Vice-Chairman as well and that the offices of the Water Board provide Mr. Jarvis with a tour and the information required.

The meeting adjourned at 4:25 p.m.

CERTIFIED A TRUE AND CORRECT COPY.

\_\_\_\_\_  
Chairman

\_\_\_\_\_  
Secretary-Manager

MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD HELD  
SEPTEMBER 2, 1976, 2:00 P.M. OFFICES OF THE REGIONAL DISTRICT  
OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

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Present	F. Colclough	Chairman	R.D.O.S.
	A. Kenyon		R.D.O.S.
	K. Boothe		R.D.O.S.
	C. Day		R.D.C.O.
	J. Stuart		R.D.C.O.
	L. Dooley		R.D.C.O.
	S. Fleming		R.D.N.O.
	R. Postill		R.D.N.O.
	W. Gordon		R.D.N.O.
	W. Parchomchuk	Secretary-Manager	

Also Present

G. Whittaker, M.P. Okanagan Boundary

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Minutes

Day - Boothe

That the minutes from the meeting of July 8, 1976 be adopted as circulated.

CARRIED

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Accounts

The Secretary-Manager presented accounts outstanding totalling \$1,055.88. These accounts were exclusive of accounts incurred under the joint Weed Eradication Program. Accounts incurred under the Joint Provincial - Okanagan Basin Water Board Weed Eradication Program for the months of June, July and August 1976 were also presented. To date approximately \$102,518.20 has been expended under this program. This is about one-half the budgeted amount. Slow progress is being made by mechanically eradicating the weeds at this time of the year because of the heavy top growth which is normally absent in the winter and early spring. Funds are therefore being saved until the more suitable season.

Stuart - Kenyon

That the accounts outstanding for the Okanagan Basin Water Board totalling \$1,055.88 be paid and the Weed Eradication accounts for June, July and August 1976 be approved.

CARRIED

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Correspondence

L. Wallace  
Re: Water  
Licence  
Applic.  
F or  
f ches

1. Letter of July 30, 1976 from L.J. Wallace, Deputy Provincial Secretary.

This letter was concerning an appeal to the Lieutenant-Governor in Council relating to the K-Bar Ranch Water Licence applications on Mission Creek. The above appeal was denied by the Lieutenant-Governor in Council.

Day - Postill

That the letter from L.J. Wallace, Deputy Provincial Secretary be received and filed.

CARRIED

B.E.Marr  
Re: Work  
done on  
Vernon Cr.

2. Letter of July 14, 1976 from B.E. Marr, Deputy Minister of Environment.

This letter was in reply to the Water Board's concern regarding work done in the vicinity of Vernon Creek in the City of Vernon. The Deputy Minister stated that cases of this kind involve the regulation of land use and building permits which are in the control of the Municipality. The Regional Engineer of the Water Rights Branch has required the owner to obtain plans for protective armouring of the creek designed by a professional engineer which has been done, and the engineer is prepared to order the work done as soon as the gates at Kalamalka Lake can be closed to reduce the flow sufficiently so that the work can be done with a minimum of additional siltation.

Postill - Kenyon

That the letter from B.E. Marr be received and filed.

CARRIED

G.L.  
Stoutenburg, Re:  
Level of  
Okanagan  
Lake

3. Letter of August 19, 1976 from G.L. Stoutenburg.

Mr. Stoutenburg was concerned about the high level of Okanagan Lake over the past four years which was causing his basement to flood. He was also concerned about the effects that this high water level would have on low lying areas serviced by septic tanks.

The Secretary-Manager indicated that in the past two years Okanagan Lake has been kept at an abnormally high level and at the present time was one foot above the normal operating level. He felt a much larger discharge volume should have been maintained earlier in the year to keep the lake down to its normal level.

Mayor Boothe questioned as to who should consider at what level the Lake should be held.

Mayor Kenyon suggested that a large flow at this time of the year should be maintained for dilution of effluent in the River Channel.

Mr. Stuart indicated that most of the irrigation dams are full and will have to be lowered. This would mean more water should be discharged from Okanagan Lake.

Postill - Boothe

That the letter from G.L. Stoutenburg be received and filed.

CARRIED

A. Paulsen  
Asst. Dir.  
Land Management, Re:  
Man-made  
Island,  
Osoyoos Lk.

4. Letter of August 17, 1976 from A. Paulsen, Assistant Director of Land Management.

This letter was in reply to the Water Board's letter concerning the man-made Island in Osoyoos Lake. Mr. Paulsen informed that a five year lease was issued to Starlite Properties for this island and that it is subject to renewal in June of this year. He indicated that inspection reports have been received from the District Land Manager at Kelowna and from a biologist of Environmental Services. Mr. Paulsen was at present considering the recommendations in these reports with a view to a possible solution to this problem.

Kenyon - Day

That the letter from A. Paulsen be received and filed.

CARRIED

J. Hewitt  
Re: Man-  
made  
Island,  
Osoyoos Lk.

The Secretary-Manager indicated a letter had also been received from Jim Hewitt, MLA, Boundary-Similkameen stating that he had discussed this matter of the man-made Island in Osoyoos with the Osoyoos Tourist Association and the Mayor of Osoyoos.

B.E. Marr  
Re: low  
lake levels  
Osoyoos Lk.

A letter was received today from B.E. Marr concerning low lake levels on Osoyoos Lake. No agreement has been reached with U.S. authorities on Osoyoos Lake levels. Mr. Marr has arranged to have staff of the Water Resources Service contact the Water Board office when lower lake levels are anticipated.

Postill - Stuart

That the letters from Jim Hewitt and B.E. Marr be received and filed.

CARRIED

J. Nielsen  
Re: Fabri-  
cation of  
new weed  
removal  
machine

5. Letter of July 19, 1976 from J.A. Nielsen, Minister of Environ-  
ment.

This letter was in reply to the Water Board's proposal that a joint request be made through the Government of B.C. to the Government of Canada for a grant to construct a new working model of the weed removal machine. Mr. Nielsen indicated that Dr. Newroth of the Water Resources Service will be attending a weed seminar in Ontario sponsored by the Federal Government at which time he could ascertain the value of a machine and following this they would follow one or more of the avenues that are available.

The Secretary-Manager indicated that a letter had been written to Mr. F. Claggett, Technical Advisor, Environmental Protection Service, Department of Environment, requesting a grant in the amount of \$47,000 for the fabrication of a completely new derooting machine based on the principles satisfactorily tested to date. Since this was mainly a research program, Federal assistance could be justified. Mr. Claggett has since visited the office of the Water Board and has referred this to his Deputy Minister.

Dooley - Gordon

That the letter from J.A. Nielsen be received and filed.

CARRIED

Petition:  
Skaha Lk.  
Residents

6. Letter and petition of August 6, 1976 from Skaha Lake residents.

This letter expressed concern over the rapid spread of Eurasian watermilfoil in Skaha Lake and asked that an investigation into the use of a herbicide be made without delay.

The Secretary-Manager indicated that until the question of using the herbicide 2, 4-D is resolved by Provincial Agencies there was nothing that could be done. He indicated that considerable spread of Eurasian watermilfoil had occurred on both Skaha Lake and Kalamalka Lake during the past year.

S.Moodie:  
Skaha Lk.

Another letter with several signatures was received from Mr. S.T. Moodie concerning Eurasian watermilfoil in Skaha Lake.

Foreman  
Kalamalka  
Lake

A letter from C.S. Foreman regarding the problem of infestation of Eurasian watermilfoil in Kalamalka Lake near the Blue Lodge was also received.

The Secretary-Manager informed that the weed derooting equipment is now operating in Kalamalka Lake.

Stuart - Boothe

That the above letters concerning the infestation of Eurasian watermilfoil be received and kept on file to be used in negotiation with senior levels of government.

CARRIED

J. Easter  
Re: Okana-  
gan Lake

A letter dated July 12, 1976 from Mr. J.C. Easter, Kelowna, had been received by the Water Board. Mr. Easter was expressing thanks for what he termed a "clear and clean" lake resulting from work of the Water Board in the weed eradication program in the Kelowna area.

Stuart - Gordon

That the letter from Mr. J.C. Easter be received and filed.

CARRIED

Kelowna &  
District  
Fish &  
Game Club:  
Re Use of  
herbicides

A letter of July 10, 1976 from the Kelowna & District Fish & Game Club was received. The letter was in opposition to the use of any herbicides in Okanagan Lakes until it could be shown there would be no damage to fish and other organisms. The Club feels that dredging would be the best method for control.

The Secretary-Manager explained that the cost of dredging is very expensive and would have to be repeated almost annually since dredged areas quickly become reinfested.

...



Boothe - Day

That the letter from the Kelowna & District Fish & Game Club be received and filed.

CARRIED

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Mayor Fleming entered the meeting at 2:35 p.m.

Osoyoos  
Tourist  
Assoc.

The Secretary-Manager read a letter, received in the morning mail, from the Osoyoos Tourist Association, dated August 30, 1976. The Association was supporting the Water Board in its proposed use of herbicide as a method of controlling the growth of Eurasian water-milfoil. They were also urging the Board to take quick action for a permanent installation of a screening system in the Okanagan waterway to prevent the spread of this weed.

It was indicated that the Osoyoos Tourist Association represents a number of motels along Osoyoos Lake. If milfoil started to grow in this lake it would be a tremendous problem and a large financial loss. The Water Resources Service were presently installing screening devices at the outlet of Vaseux Lake and at the inlet to Osoyoos Lake.

Boothe - Kenyon

That the letter from the Osoyoos Tourist Association be received and filed.

CARRIED

uatic  
ed  
Report

The Secretary-Manager presented a verbal report on the joint weed eradication program and on a recent visit to several aquatic weed infested areas in the U.S. He explained that the amount of weeds presently being eradicated by mechanical means could not keep up to the amount of new area being infested each year. The battle could not be won by using mechanical methods alone. It was obvious that another method of control, mainly the use of 2,4-D would have to be implemented along with the mechanical program.

Mr. Colclough asked if 2, 4-D herbicide was being used in the Tennessee Valley to control this type of weed. The Secretary-Manager informed that the Tennessee Valley spent nearly one million dollars this year alone in the application of 2, 4-D.

Mr. Postill stated that if 2,4-D is the best method of control, why is the Water Board not pushing the use of it here to fight the weed problem.

The Secretary-Manager explained that several Government agencies including the Fish & Wildlife Branch and the local Health Unit did not favour the use of 2, 4-D.

Several slides and a narrative presentation of the following was made:

- derooted aquatic weed areas in Kelowna and Vernon compared to previous year.
- 2,4-D test plot area in the north arm of Okanagan Lake.
- various areas of the U.S. infested with Eurasian watermilfoil, hydrilla and water hyacinth.
- white amur fish for aquatic weed control.

The Chairman stated that from the knowledge that has been gained a new aquatic weed rototilling unit based on the principles satisfactorily tested to date should be built and used to capacity next year.

Mayor Boothe asked if the machinery that is operating now is doing the right job.

The Secretary-Manager informed that it is the only known way to de-root the weeds, and even with two or three machines, the growth rate of Eurasian watermilfoil is so rapid, that it would only be possible to keep the main beaches clear.

Mr. Stuart suggested that the Okanagan Basin Water Board invite the Premier and his Cabinet to a meeting to discuss the future of the eradication program and that the local government should not have to cope with this problem, since it is primarily a Provincial jurisdiction.

He further stated the Water Board does not have the autonomy nor the authority to deal with this problem as every time something is suggested the permission of many government agencies is needed.

The Chairman mentioned that a call had been received from B. Marr regarding a meeting held recently in the Premier's office and that the Secretary-Manager, after short notice, had attempted to attend the meeting, but was unsuccessful due to cancellation of air traffic owing to bad weather conditions. It was indicated at this meeting that a local advisory committee be established to review the matter of weed eradication. The Chairman suggested that further discussion of aquatic weed eradication policy be held "In Committee".

Mayor Fleming stated that the Chairman and the whole of the Okanagan Basin Water Board should have been given more notice for the meeting in the Premier's office. He felt that much of the work by the Board had been ignored by the Premier's office. He further stated that he is prepared to move for the disbandment of the Okanagan Basin Water Board and have the Provincial Government take over sole responsibility for the aquatic weed problem unless there is a favourable response from the Province.

The Chairman thought it advisable to discuss the recent meeting in the Premier's office "In Committee" due to the fact that personalities might be involved.

Kenyon - Fleming

That the matter concerning a meeting, relating to aquatic weeds, held in the Premier's office be dealt with "In Committee" and a press release be issued immediately afterward.

CARRIED

Referral  
to the  
Okanagan  
I. Bd.  
R Lower-  
ing of  
water  
intakes on  
Skaha Lk.

The Secretary-Manager reported that the Implementation Board was studying the lowering of water intake lines on Okanagan Lake. He suggested that the lowering of Skaha Lake water intakes be undertaken as well in order to provide better management of lake levels for aquatic weed control.

Stuart - Day

That the matter of lowering water intake pipes on Skaha Lake be referred to the Implementation Board.

CARRIED

Applications for Pollution Control Permits:

Applications for Pollution Control Permits for the discharge of effluent by Silver Star Sports Ltd. and the discharge of yard and mill debris by Riverside Forest Products Ltd. were received by the Okanagan Basin Water Board.

It was noted that the Regional Board of the Regional District of North Okanagan has supported both applications.

Stuart - Day

That there be no objection to the applications for Pollution Control Permits by Silver Star Sports Ltd. and Riverside Forest Products Ltd.

CARRIED

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There being no other business the meeting adjourned to "Committee" at 3:45 p.m.

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CERTIFIED TO BE A TRUE AND CORRECT COPY.

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Chairman

Secretary-Manager

MINUTES FROM THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE OKANAGAN BASIN WATER BOARD, SEPTEMBER 2, 1976, 4:00 P.M. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

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P: ent	F. Colclough	Chairman	R.D.O.S.
	A. Kenyon		R.D.O.S.
	K. Boothe		R.D.O.S.
	C. Day		R.D.C.O.
	J. Stuart		R.D.C.O.
	L. Dooley		R.D.C.O.
	S. Fleming		R.D.N.O.
	R. Postill		R.D.N.O.
	W. Gordon		R.D.N.O.
	W. Parchomchuk	Secretary-Manager	

Also Present

A. Harrison, Administrator, R.D.C.O.

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Aquatic  
Weed  
Policy  
Re: Meeting  
Premier's  
Office

The Chairman explained that he had received a call from B.E. Marr who informed there had been a meeting with the Premier concerning weed eradication. The Secretary-Manager had been invited to the meeting on short notice and was unfortunately unable to attend due to air traffic cancellation owing to bad weather conditions. Dr. R. Buchanan, from the Water Resources Service had attended the meeting and informed Mr. Parchomchuk of the outcome. There were basically three decisions made, largely as a result of pressure from Dr. Clarke of the South Okanagan Health Unit:

1. A local advisory committee would be established to advise on the aquatic weed problem.
2. A news release would be made discouraging the use of 2, 4-D by private citizens.
3. The Water Board should not make any public statement until after the Premier has issued a press release.

Mayor Fleming expressed concern that the Premier's office had held the above meeting without adequate consultation with the Board. He was not pleased with the outcome of the meeting.

Fleming - Postill

That a meeting be held with the three Regional Board's to inform them of the actions of the Government and to inquire of each Regional District whether they wish to sustain the Okanagan Basin Water Board in view of the Governments recent action.

It was then agreed by members of the Board that a more direct approach should be taken at this time before any news releases are made by the Premier's office, thereby further confusing the issue. A telephone call should be made to the Premier's office expressing concern over the recent meeting relating to aquatic weeds and the office should be asked to withhold all press releases until the Premier has met with the Water Board.

Mayor Fleming then withdrew his motion to be replaced by the following:

Dooley - Day

That the Premier's office be contacted by telephone immediately regarding aquatic weed policy and that the Premier be requested not to make any news releases until he has met with the Water Board.

CARRIED

Mr. Stuart and Mr. Harrison left the room to contact the Premier.

Mayor Fleming questioned as to why Dr. Clarke, Medical Health Director from the South Okanagan Health Unit was present at the meeting in the Premier's office, and not the Health Director from the North Okanagan Health Unit.

Mr. Stuart returned to the meeting with the message that the Premier would be contacting him the next day. Mr. Stuart had left a message with the Premier's office to the effect that a press release should not be issued until after the Water Board has had an opportunity to meet with the Premier.

The Chairman then contacted B.E. Marr, Deputy Minister of Environment by telephone and requested him to see that a press release not be issued until further clarification.

Terms of Reference - Waste Treatment Engineering Consultant

Waste  
Treatment  
Consultant

Two letters dated July 30, 1976 and August 27, 1976 from G.E. Simmons, Assistant Deputy Minister of Environment concerning terms of reference for a waste treatment engineering consultant and a municipal consultant for the Okanagan Basin had been received.

The Chairman explained that the original terms of reference as described in Mr. Simmons letter of July 30th were not in agreement with the Water Board, and therefore another meeting was recently held with a representative of the Implementation Board to clarify terms of reference.

Mr. Postill was opposed to having a consultant hired to merely summarize existing figures.

Mayor Fleming suggested that the Water Board could assemble all the necessary information by mail. The information that is available should be assembled first.

Mr. Stuart suggested that the Secretary-Manager write a letter to the various Municipalities and Districts in the Basin asking what their projected implementation would be and at what stage spending would occur.

Stuart - Postill

That the Chairman contact Mr. Simmons by telephone and indicate that the Water Board is not prepared to entertain terms of reference for an engineering consultant until the significance of the Water Board with the Provincial Government has been decided.

CARRIED

Boothe - Postill

That the remainder of the items of the agenda be postponed until after a meeting with the Premier and that the Chairman be empowered to call a special meeting of the Board as required.

CARRIED

The meeting adjourned at 4:30 p.m.

MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD  
NOVEMBER 4, 1976, 2:00 P.M. OFFICES OF THE REGIONAL DISTRICT  
OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

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Present	F. Colclough	Chairman	R.D.O.S.
	A. Kenyon		R.D.O.S.
	K. Boothe		R.D.O.S.
	C. Day		R.D.C.O.
	J. Stuart		R.D.C.O.
	L. Dooley		R.D.C.O.
	S. Fleming		R.D.N.O.
	R. Postill		R.D.N.O.
	R. French	Alternate	R.D.N.O.
	W. Parchomchuk	Secretary-Manager	

Also Present

B. Nilsson, Okanagan Labour Council  
S. Buckler, Observer, Peachland

Minutes Boothe - Postill

That the minutes from the meeting of September 2, 1976 be adopted as circulated.

CARRIED

Accounts

The Secretary-Manager presented administrative accounts outstanding totalling \$603.09. These accounts were exclusive of expenditures under the joint weed eradication program. Accounts incurred under the Joint Provincial - Okanagan Basin Water Board Weed Eradication Program for the months of August and September, 1976 were also presented. To date approximately \$122,415.69 has been expended under this program. This is about 60% of the budgeted amount.

Day - French

That the accounts be received as presented.

CARRIED

Mr. Dooley and the Chairman expressed thanks to the Secretary-Manager for his work in the aquatic weed program.

Correspondence

G. Simmons  
Re: Intake  
Pipes,  
Skaha Lake

1. Letter of September 15, 1976 from G.E. Simmons, Chairman, Okanagan Basin Implementation Board.

The letter indicated the Okanagan Basin Implementation Board had recommended by resolution at its August 31st meeting that Skaha Lake be considered within the program relating to the lowering of water intakes.

Boothe - Kenyon

That the letter from G.E. Simmons be received and filed.

CARRIED

Hon. W.R. Bennett,  
n.G.M. McCarthy,  
Re: OBWB  
Brief to  
Cabinet

2. Letters of October 12, 1976 and October 15, 1976 from Premier W.R. Bennett, and the Honourable Grace M. McCarthy.

Both letters expressed thanks for the excellence of the brief with respect to Eurasian water milfoil and Letters Patent which was presented to the Provincial Cabinet at its meeting in Kelowna on September 29, 1976.

Postill - Stuart

That the letters from the Honourable Premier W.R. Bennett, and the Honourable Grace M. McCarthy be received and filed.

CARRIED

R.D.C.O.  
: Re-  
structur-  
ing of  
OBWB

3. Letter of October 27, 1976 from A.T. Harrison, Administrator, Regional District of Central Okanagan.

The letter indicated that the Regional Board of the Regional District of Central Okanagan, at a recent meeting, had discussed the present political structure and make-up of the Water Board and were of the opinion that immediate consideration should be given to restructuring the Water Board so as to strengthen its political support. It was suggested that all mayors of all municipalities within the Okanagan Basin be represented on the Water Board.

Mr. Stuart explained that this request originated from the City of Kelowna which also has observer status on the Water Board. The Regional District of Central Okanagan felt the types of problems the Water Board would be dealing with required a politically strong and active Board. Additional government funding will be needed in the future for cleaning up the Basin. To date the only additional funds made available have been through the Water Board's own one mill tax levy. In order to succeed he felt the Water Board should be enlarged to include every elected Regional and Municipal Government, thereby enabling the Water Board to have greater political strength in dealing with senior levels of government. He said the mechanics of such a restructuring could be worked out later.

Mayor Boothe felt it would be cumbersome to have every Mayor represented on the Water Board.

Mayor Postill felt that the North Okanagan municipalities were well represented on the Water Board. He indicated there was an understanding that Mayors from the three major urban centres were automatically appointed to the Board if they were on Regional Boards. He commented that Mayors of all municipalities within the Basin are invited to Water Board meetings. Mr. Stuart agreed but added that observers were not entitled to vote. It would be best if municipalities could be present to vote on problems directly affecting them.

Mr. Dooley stated that along with the weed and sewage problems, other problems would have to be dealt with. He suggested there was a parallel situation existing with the Greater Vancouver Sewage and Drainage District and perhaps a Committee should be set up to look at this.

Further discussion ensued regarding the restructuring of the Water Board to include Mayors of all municipalities with the Okanagan Basin. The Chairman suggested that each Regional Board be asked to review this proposal.

Stuart - Day

That representatives on the Water Board approach their respective Regional Boards for further discussion of representation on the Water Board and that their recommendations be reviewed at the next meeting of the Okanagan Basin Water Board.

CARRIED

The Chairman suggested that perhaps a meeting could be held with all Mayors of the Basin at a later date.

City of  
Kelowna  
Re: Waste-  
water  
management  
plan

4. Letter of October 27, 1976 from the City of Kelowna.

The letter was inviting members of the Water Board to a special presentation of a plan for removing the City of Kelowna's waste-water outfall from Okanagan Lake. The meeting was scheduled for November 16, 1976.

Members of the Water Board who wished to attend this special presentation were asked to contact the Secretary-Manager.

Stuart - Day

That the letter from the City of Kelowna be received and filed and contact be made with the Secretary-Manager by those wishing to attend this meeting.

CARRIED

(Please note the above meeting date has been changed to December 2nd)

Corres-  
pondence  
Re: Use  
of 2,4-D

5. Letters relating to the use of the herbicide 2,4-D were received from the following:

- Regional District of Central Okanagan
- Regional District of North Okanagan
- City of Penticton
- City of Kelowna
- City of Armstrong
- Village of Osoyoos
- District of Peachland
- District of Coldstream
- Vernon Lapidary & Mineral Society
- Don Thompson
- Association of B.C. Grape Growers
- Kelowna Medical Society
- West Bench Recreation Commission
- Vernon Jubilee Hospital
- Alan Gaunce, Summerland Research Station

The Chairman indicated that the Regional District of Okanagan-Similkameen had also approved the use of 2,4-D provided that application of the herbicide was done in a manner safe to health, crops and wildlife. He thought that since the first eight letters were all from Regional Districts and Municipalities they should be dealt with first. These letters were mainly in response to a Water Board request for a supporting statement from communities for the use of 2,4-D.



Stuart - Kenyon

That the letters from the Regional District of Central Okanagan and North Okanagan, and the Municipalities of Penticton, Kelowna, Armstrong, Osoyoos, Peachland and Coldstream be received.

CARRIED

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Mayor Fleming entered the meeting at 3:00 p.m.

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Mayor Fleming suggested that all the letters concerning the use of the herbicide 2,4-D be dealt with together.

Kenyon - Boothe

That the letters from the Vernon Lapidary & Mineral Society, Don Thompson, Association of B.C. Grape Growers, Kelowna Medical Society, West Bench Recreation Commission and Vernon Jubilee Hospital be received.

CARRIED

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In referring to a letter from Dr. A. Gaunce of the Summerland Research Station, relating to safety of 2,4-D, Mayor Kenyon felt this to be good positive information. The Secretary-Manager indicated there were also many additional scientific publications relating to the safe use of 2,4-D.

Mayor Fleming reported that Dr. Peter Newroth, Biologist, Water Resources Service, had presented an excellent submission regarding the herbicide 2,4-D to the Regional Board of the Regional District of North Okanagan. He was concerned, however, that Dr. Newroth was instructed by his superiors to give a confidential report to the Regional District of North Okanagan. Mayor Fleming felt that this information should be made easily available to everyone. There would probably be no public opposition to 2,4-D if the basis for its safe use could be made public. The Province has total jurisdiction in this regard.

The Chairman agreed that the general public do not have all the information necessary to make a decision as to whether or not 2,4-D should be used. He said that B. Marr, Deputy Minister of Environment, has assured that if it were decided to go ahead with the use of 2,4-D there would be public information meetings throughout the valley.

Mayor Fleming indicated that if this commitment could be obtained in writing, the City of Vernon would approve the use of 2,4-D.

Mr. Day indicated that when the Water Board met with the Provincial Cabinet on September 29th, the Minister of Environment assured that all the information concerning the herbicide 2,4-D would be made available to the public. He suggested that the Water Board write to the Minister of Environment asking him to make technical people and information available.

. . .

Mayor Kenyon indicated concern that the Water Board has been placed in a position of responsibility for weed control when it is really a Provincial jurisdiction. The Province should be told to proceed with an eradication program and the Board would co-operate where necessary.

Mayor Fleming explained that after harvesting, dredging, rototilling and root jetting, we are now told that herbicides are the answer. He felt the weed problem to be so immense now that a combination of eradication methods would be required, and 2,4-D is not the single solution. He said the Province of B.C. and the Federal Government should be made aware that they have the authority to solve this problem and should do something about it before it becomes an international problem. The Water Board is not equipped financially or technically to handle the problem and the Province should not ask the local communities to do what is really a Provincial job. The Board does not necessarily have to opt out, but the Province must take the lead.

Day - Fleming

That a letter be written to the Minister of Environment urging that all information on the herbicide 2,4-D be made available to the public.

CARRIED

Dr. Gaunce  
Re: 2,4-D  
Safety

A summary of technical information dated October 1976 related to the safety of 2,4-D for aquatic weed control in the Okanagan prepared by Alan P. Gaunce, Research Scientist, Research Station, Summerland was brought to the Board's attention.

Penticton  
Yacht Club

A letter of October 26, 1976 was received from the Penticton Yacht Club (membership of over 600) endorsing its support for the control of Eurasian water milfoil in the Okanagan Lake system.

Stuart - Postill

That the letters from Dr. Alan P. Gaunce, and the Penticton Yacht Club be received for consideration.

CARRIED

Dr. C.J.G.  
Mackenzie  
3-man  
Advisory  
Committee,  
2,4-D

6. Letter of October 25, 1976 from Dr. C.J.G. Mackenzie, Professor and Head, Department of Health Care and Epidemiology, University of British Columbia.

The letter related to the three man Advisory Committee which had been appointed by the Minister of Environment to review all aspects of the problem of the use of herbicides for weed control in the Okanagan Lake System. Dr. Mackenzie indicated this committee would be travelling to the region to obtain information and would not be commenting on the problem. They would be in Kelowna November 8th and 9th and wished to meet with any groups or individuals that might be able to give them information regarding the problem.

Mayor Postill and Mayor Fleming agreed the three man committee should hold a similar meeting in the North Okanagan as well.

Fleming - Day

That the three man committee appointed to review the problems of the use of herbicides in the Okanagan Lake System be requested to hold a meeting in the Regional District of Central Okanagan, North Okanagan and Okanagan-Similkameen.

CARRIED

The Chairman explained that the meeting to be held in Kelowna with the three man committee had already been arranged and should therefore proceed.

Letters  
Patent &  
Finance  
Formula

The Secretary-Manager explained that he, along with the Chairman and the Vice-Chairman of the Water Board had met with Mr. Woodward on October 21st concerning Letters Patent for the Okanagan Basin Water Board. At that time it was requested that the Water Board submit in writing the information regarding its request for the inclusion of both collection systems and treatment works in the application for financial assistance under a Basin-wide formula. The Secretary-Manager indicated that this information has since been sent to the Department of Municipal Affairs. Mr. C.H.L. Woodward has replied that the requested amendments to the Letters Patent will be advanced for consideration of approval by the Lieutenant-Governor in Council, and that the approval of the proposed financial formula under review would await the issue of the amending Letters Patent.

A further request by the Board to have the continued provisions of the Sewerage Facilities Assistance Act guaranteed to the Board through Letters Patent could not be done as such a measure would usurp the authority of the Legislature. The best guarantee for continued funding to the Basin under this Act is found in the Provincial commitments under the Okanagan Basin Implementation Agreement.

Mayor Fleming felt that if the Province seriously wanted to make an agreement with the Board for continued provisions as found in the Sewerage Facilities Assistance Act, this could legally be done without legislative problems. The terms of the agreement could be made and written into Letters Patent.

Fleming - Postill

That a letter be written to the Minister of Municipal Affairs requesting amendment of Letters Patent to include the same provisions of Provincial cost sharing as found in the Sewerage Facilities Assistance Act dated May 27, 1974, and that these provisions be included in Letters Patent without referring to the act itself.

CARRIED

Application for Pollution Control Permit:

City of  
Enderby

An application for an amendment of a Pollution Control Permit by the City of Enderby to add an additional appendix to authorize the disposal of waste sludge from the secondary clarifier to the ground was presented.

Stuart - Postill

That there be no objection to the application for an amendment of a  
Pollution Control Permit by the City of Enderby.

CARRIED

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There being no further business the meeting adjourned to "Committee"  
at 4:10 p.m.

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Chairman

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Secretary-Manager

MINUTES FROM THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE OKANAGAN BASIN WATER BOARD, NOVEMBER 4, 1976, 4:20 P.M. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

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Present	F. Colclough	Chairman	R.D.O.S.
	A. Kenyon		R.D.O.S.
	K. Boothe		R.D.O.S.
	C. Day		R.D.C.O.
	J. Stuart		R.D.C.O.
	L. Dooley		R.D.C.O.
	S. Fleming		R.D.N.O.
	R. Postill		R.D.N.O.
	R. French	Alternate	R.D.N.O.
	W. Parchomchuk	Secretary-Manager	

---

Basin-wide Waste Treatment Summary The Chairman reported that he, the Vice-Chairman, and the Secretary-Manager had met with the Implementation Board on October 21, 1976. During the meeting further discussions occurred concerning the Implementation Board's request for a Basin-wide study and summary of waste treatment programs including costs and scheduling.

Mayor Fleming mentioned the Water Board had prepared a summary last year indicating the costs of sewage implementation within the Basin during the next five years. He suggested that a similar summary be prepared and cost figures estimated to January 1977.

The Chairman indicated the summary should be revised with a projected schedule added. Dates should not be firm. He mentioned the Implementation Board wished this information largely for financial planning and scheduling.

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Mr. Stuart left the meeting at 4:35 p.m.

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1977 Provisional Budget Copies of the 1977 Provisional Budget had been mailed to Board members prior to the meeting. The Secretary-Manager reviewed and explained the budget. Salary increases were in accordance with the Anti-Inflation Board guidelines.

The Secretary-Manager indicated that a decision would have to be made as to when funds raised under the Basin-wide levy for sewerage facilities could start to be disbursed. Mayor Fleming suggested that the year for disbursement be the same as when the levy was made.

Fleming - Day

That the 1977 Provisional Budget for the Okanagan Basin Water Board be received for study and forwarded to the Regional Districts for consideration prior to the next meeting of the Water Board.

CARRIED

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The meeting adjourned at 4:45 p.m.

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Chairman

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Secretary-Manager

MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD HELD  
DECEMBER 2, 1976, 2:00 P.M. OFFICES OF THE REGIONAL DISTRICT OF  
CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

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Present	F. Colclough	Chairman	R.D.O.S.
	A. Kenyon		R.D.O.S.
	K. Boothe		R.D.O.S.
	C. Day		R.D.C.O.
	J. Stuart		R.D.C.O.
	L. Dooley		R.D.C.O.
	S. Fleming		R.D.N.O.
	R. French	Alternate	R.D.N.O.
	C. Kanester	Alternate	R.D.N.O.
	W. Parchomchuk	Secretary-Manager	

Also Present

S. Buckler, Observer, Peachland  
R. Huva, Association of B.C. Irrigation Districts  
B. Nilsson, Okanagan Labour Council  
G. Jennens

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Minutes Fleming - Stuart

That the minutes from the meeting of November 4, 1976 be adopted as circulated.

CARRIED

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Accounts The Secretary-Manager presented accounts outstanding to November 30, 1976 totalling \$303.39.

Stuart - French

That the accounts outstanding totalling \$303.39 be received.

CARRIED

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Correspondence

R.D.N.O.  
Re: Re-  
structur-  
ing of  
Water Bd.

1. Letter of November 12, 1976 from the Regional District of North Okanagan.

The Regional Board of the Regional District of North Okanagan had considered the recommendation from the Regional District of Central Okanagan concerning the restructuring of the Okanagan Basin Water Board to include all mayors of all municipalities within the Okanagan Basin. The Regional Board believed that there was no reason to restructure the representation of the Water Board and declined to endorse the suggestion.

Mayor Fleming indicated the Regional District of North Okanagan, while recognizing the validity of the concern of the Central Okanagan Regional Board could not recommend a change in the structure of the Board at this time. Perhaps when the function and authority of the Water Board is increased, representation could be changed, but for the time being the Board should be left to its present relatively small size. The Water Board was presently well integrated and proliferation might dissipate the Board's ability to act.

Mr. Colclough indicated the Regional District of Okanagan-Similkameen felt that mayors were presently well represented on the Board and for the time being the Water Board should remain structured as it presently is.

Mr. Stuart informed that the Regional District of Central Okanagan brought this request forward from the City of Kelowna. He personally felt the Water Board should involve all the Mayors.

Boothe - Dooley

That the letter from the Regional District of North Okanagan be received and filed and a letter be written to the Regional District of Central Okanagan outlining the position of the other two Regional Districts relating to the proposed restructuring of the Water Board.

CARRIED

Osoyoos  
Tourist  
Assoc. &  
Transport  
Canada  
Re: Man-  
made Is. &  
Gravel bar  
Haines Pt.  
Osoyoos Lk.

2. Letter of November 5, 1976 from the Osoyoos Tourist Association and letter of September 21, 1976 from Transport Canada.

The letter from the Osoyoos Tourist Association thanked the Water Board for their work in bringing to the attention of the Department of Environment and Department of Lands, Forests and Water Resources the problem regarding the man-made island in Osoyoos Lake. They were pleased that the lease for the man-made island would be renewed for only two years.

In reply to a letter from the Water Board, a letter from L.E. Slaght, District Manager, Canadian Coast Guard, was received concerning the gravel bar off Haines Point in Osoyoos Lake. This bar was causing considerable damage to boats and they had been asked to mark it with suitable navigation aids. Mr. Slaght indicated that the channel would have to be dredged before it would be marked. The Department of Public Works should be contacted in this regard.

The Chairman indicated this correspondence was for the information of the Board. The Village of Osoyoos would be reviewing the past correspondence and if they decided to pursue the dredging proposal the Water Board would be notified.

Stuart - Kanester

That letters from Transport Canada and the Osoyoos Tourist Association be received and the Water Board await a reply from the Village of Osoyoos before proceeding any further concerning dredging of a channel through the gravel bar off Haines Point in Osoyoos Lake.

CARRIED

City of  
Vernon Re:  
Use of  
2, 4-D

3. Letter of November 5, 1976 from the City of Vernon.

The letter indicated the City of Vernon does not approve the use of 2,4-D in the Okanagan Water Basin for the purpose of weed eradication on the basis of information presently available. They have agreed, however, that when the Senior levels of government make public all scientific information and recommendations on the use of 2,4-D as it relates to weed eradication in the Okanagan Basin, they would be prepared to reconsider their present position.

The Secretary-Manager indicated that the Water Resources Service was in the process of making information available to the public through libraries in the region as soon as possible.

Mr. Day asked whether the Province would now permit their professional personnel to speak publicly.

Seminar  
2,4-D

The Secretary-Manager indicated that the Okanagan College and the Registered Nurses Association are co-sponsoring a seminar on 2,4-D and aquatic weed control on December 6th, and that a Biologist from the Province would be one of the panel members.

Mayor Boothe expressed concern that the Secretary-Manager would also be participating as a panel member in the above mentioned seminar. He felt such a seminar would only create further debate and controversy over the proposed use of 2,4-D. He therefore moved that the Secretary-Manager not attend the seminar.

Mayor Fleming suggested that the Water Board should be present at the seminar to enhance information, but not to make a judgement on the issue at this time.

Mr. Stuart felt strongly that the Secretary-Manager should attend the seminar and speak on the topic. Water Board technical knowledge should be made available. By not attending the seminar, the Water Board would only be repeating earlier Provincial restrictions on public appearances of technical people.

The Chairman indicated a motion had been made by Mayor Boothe, and a seconder was required. Mayor Fleming seconded Mayor Boothe's motion as follows:

Boothe - Fleming

That the Secretary-Manager not attend the seminar on 2,4-D and aquatic weed control to be sponsored by the Registered Nurses Association and Okanagan College on December 6, 1976.

THE MOTION WAS DEFEATED

Speaking concerning the motion the Chairman indicated that information would be made available to the public through a series of open meetings following the report of the three man advisory committee on the use of herbicides.

Mr. Stuart suggested that erroneous statements made during open meetings such as the December 6th seminar should be corrected at the seminar, otherwise it is difficult to convince the public after presentation has been made in the media.

Mr. Day agreed that the Secretary-Manager should represent the Okanagan Basin Water Board at the seminar and that the Board should not place restrictions on employees regarding the presentation of technical information to the public.

Mayor Boothe's concern was that the seminar might become a forum for emotional outbursts as had occurred at a recent Summerland meeting.

The Secretary-Manager explained that he would simply present the history of the weed problem at this seminar, and would not be involved in a 2,4-D debate.



Mayor Fleming stated that there is a danger that the public may become preoccupied over the use of 2,4-D. He felt the use of 2,4-D would be only one part of the solution to the problem. The Federal and Provincial Governments must be involved in the decision. The Province must make the judgement on the use of 2,4-D. He therefore suggested that information be provided to the seminar on December 6, but that the Water Board not take a firm position.

Fleming - Boothe

That the Secretary-Manager be authorized to attend the seminar on 2,4-D and aquatic weed control to provide information to the meeting but not to take a position relative to the use of 2,4-D.

THE MOTION WAS DEFEATED

Mayor Kenyon felt the Secretary-Manager should speak freely at the meeting concerning the possibilities for the use of 2,4-D.

Mayor Fleming thought that a position on 2,4-D should not be taken by the Board until the three man advisory committee has reported.

Kenyon - Day

That the Secretary-Manager be authorized to attend the aquatic weed control seminar on December 6th and share the technical knowledge of the Okanagan Basin Water Board.

CARRIED

One vote contrary.

Mayor Fleming inquired as to the policy of the Water Board concerning the use of 2,4-D.

The Chairman indicated the Water Board presently has not taken a formal position on this matter. A decision should await the report of the three man advisory committee presently researching the matter.

Stuart - Fleming

That the letter from the City of Vernon dated November 5, 1976 concerning the use of 2,4-D be received and filed.

CARRIED

Hon. H.A.  
Curtis, Re:  
Letters  
Patent

4. Letter of November 29, 1976 from The Honourable H.A. Curtis, Minister of Municipal Affairs.

The letter indicated that it would not be possible to amend the Letters Patent of the three regional districts to guarantee the continuance of assistance under the Sewerage Facilities Assistance Act or equivalent assistance by some other means. Letters Patent would be issued shortly for two other amendments requested by the Water Board.

Mr. Stuart indicated that the Sewerage Facilities Assistance Act was a Statute of the Province of B.C. and that the government of the day could not guarantee the terms and conditions of the Sewerage Facilities Assistance Act beyond its term of office.

Mayor Fleming felt that once a community enters financing of long term sewerage facilities, the Province should not be allowed to withdraw financing. The contract should be honoured for its lifetime.

The Chairman indicated that once approval for financing of a specific community system has been given under the Sewerage Facilities Assistance Act, the terms of financing would apply for the entire 20 year payback period. The Province also has a commitment to generally continue with the provisions of the Sewerage Facilities Assistance Act in the Okanagan for at least the five year duration of the Okanagan Basin Implementation Agreement.

Mr. Dooley suggested that a meeting be arranged with the Minister and Senior Deputy Minister of Municipal Affairs to discuss local problems relating to long term financing of Sewerage Facilities and to discuss the Sewerage Facilities Assistance Act.

Dooley - Day

That a special Board meeting be arranged with the Minister and a senior Deputy Minister of Municipal Affairs as soon as possible in the new year to discuss long term financing of sewerage facilities and the Sewerage Facilities Assistance Act.

CARRIED

Stuart - Fleming

That the letter from the Honourable H.A. Curtis be received and filed.

CARRIED

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Other Business

Mr. Stuart mentioned that Mr. Jennens was in the gallery and wished to speak to the Water Board concerning mechanical control of aquatic weeds.

Kenyon - Kanester

That the meeting adjourn to Committee to discuss Mr. Jennens proposal and other items.

CARRIED

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The meeting adjourned to Committee at 3:20 p.m.

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Chairman

Secretary-Manager

MINUTES FROM THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE OKANAGAN BASIN WATER BOARD, DECEMBER 2, 1976, 3:30 P.M. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

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Present	F. Colclough	Chairman	R.D.O.S.
	A. Kenyon		R.D.O.S.
	K. Boothe		R.D.O.S.
	C. Day		R.D.C.O.
	J. Stuart		R.D.C.O.
	L. Dooley		R.D.C.O.
	S. Fleming		R.D.N.O.
	R. French	Alternate	R.D.N.O.
	C. Kanester	Alternate	R.D.N.O.
	W. Parchomchuk	Secretary-Manager	

Also Present

Mayor J. Hindle, City of Kelowna  
Mr. E.G. Jennens

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The Chairman welcomed Mayor Hindle to the meeting.

Aquatic  
Weed  
Removal  
Proposal-  
Jennens

Mr. Jennens presented a five page report to the Board outlining a lake bottom cleaning and weed removal machine proposed and designed by himself. Mr. Jennens indicated the machine incorporated aspects of other types of equipment that had already been in use.

The Secretary-Manager thought Mr. Jennens' proposal was similar to conventional dredging which costs approximately \$1,500/acre. It was doubtful this type of operation could be undertaken for a lesser amount.

Mayor Hindle mentioned that Mr. Jennens was prepared to put up the capital cost for developing this equipment if he could have a sound guarantee on the use of the machine.

Mr. Stuart pointed out that the lake was a Provincial water resource and consequently approval would have to be obtained from the Provincial Government in this regard. The Board should study Mr. Jennens proposal and make a referral to the appropriate Provincial agency.

Mayor Fleming suggested the proposal be reviewed with Mr. Jennens by Technical personnel from the Province and the Water Board.

Mr. Jennens was asked if he would be prepared to discuss in detail his weed removal machine at such a meeting. He replied he would be willing to do so if the meeting would be confidential.

Fleming - Stuart

That a meeting be arranged with technical staff of the B.C. Water Resources Service, Mr. Jennens and the Secretary-Manager to discuss Mr. Jennens proposed weed removal machine and that a recommendation be made to the Water Board.

CARRIED

Mayor Fleming suggested that the above technical meeting be recorded to protect Mr. Jennens' application for a patent.

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1977  
Provis-  
ional  
Budget

A letter dated November 12, 1976 was received from the Regional District of North Okanagan endorsing the 1977 Provisional Budget of the Okanagan Basin Water Board.

. . .

Mayor Boothe inquired concerning establishment of the dental plan which had not previously been presented to the Board. Mr. Stuart explained that owing to accounting procedures the staff of the Water Board are on the same payroll as staff from the Regional District of Central Okanagan. Consequently Water Board staff were included in the Regional District dental plan. It was agreed that this item should have been brought to the attention of the Water Board.

Kenyon - Day

That the dental plan be adopted.

CARRIED

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Mr. Stuart left the meeting at 4:00 p.m.

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Mayor Boothe asked whether salary increases were within the anti-inflation guidelines.

The Secretary-Manager explained that salary increases were within the 8% to 12% increase allowed by the Anti-Inflation Board. The increase in the amount budgeted for salaries was largely due to provision for a full time rather than part time secretary. The increase was not entirely a result of increased salaries.

Fleming - Kenyon

That the 1977 Provisional Budget for the Okanagan Basin Water Board be received and ratification be made at the next meeting of the Board.

CARRIED

1977  
Aquatic  
Weed  
Eradica-  
tion  
Program

The Secretary-Manager explained that the Provincial Government was awaiting a report on 2,4-D from the three man Advisory Committee before proceeding with any plans for weed eradication next year. He felt that unless preparations for next year's program are started immediately, nothing would be done on time for weed eradication next season. The Province should proceed with a contingency plan. Approximately \$80,000 was left in the joint Provincial - Water Board eradication program for 1977. He asked if the Water Board wished to use this balance of funds to purchase with the Province a further two pieces of equipment which would be required for weed control regardless of whether or not 2,4-D is used. The Province would then have to assume all operating costs as the joint weed eradication fund would be expended.

Mayor Fleming suggested that the Board agree with the Provincial Government on a weed eradication program for 1977, using the balance of funds in the joint program for capital. The Province would then have to assume operating costs. The Okanagan Basin Water Board could assist in administering the program and arranging contracts. He also suggested that the Okanagan Basin Water Board endeavor to secure the Provincial Government's support to obtain funding from the Federal Government. The Board should proceed to arrange for equipment with the \$80,000 remaining in the joint weed eradication fund.

The Secretary-Manager mentioned that if the Province decides not to use 2,4-D it would appear that a technique using harvesting followed by rototilling would have to be used during the 1977 season. It would be necessary to purchase a harvester and fabricate another rototiller. Time was limited and the equipment would have to be ordered almost immediately.

Summarizing the above, the Chairman suggested: (1) that the Board approach the Province for concurrence on spending the remaining \$80,000 on additional equipment purchase, (2) that the Province assume all operating costs during the 1977 season with administrative assistance from the Water Board, and (3) that the Province approach the Federal Government for additional funding.

Fleming - Kenyon

That the Okanagan Basin Water Board approach the Provincial Government for concurrence in spending funds remaining in the joint weed eradication program on capital equipment, and that the Province assume all operating costs for weed eradication in 1977 with administrative assistance from the Water Board; and that the Province formally approach the Federal Government for additional financial assistance; and that the Secretary-Manager be authorized to proceed with plans on this basis. A Board meeting could be called if there is any impedance.

CARRIED

Other Business

Mayor Kenyon presented a letter he had received concerning the use of clams for aquatic weed control in the Nelson area.

He also suggested that a study be made which would indicate relative amounts of nutrient loading to the lake from various sources including septic tanks, feedlots and other sources. He was particularly interested in the Kaleden and Okanagan Falls area. The Secretary-Manager indicated that a certain amount of this type of information was available under the Okanagan Basin Study reports. It may require updating. A small amount of monitoring was currently being carried out under the Implementation Agreement.

Kenyon - Dooley

That the Water Board request the Implementation Board to undertake an updating of information concerning the sources of nutrient input to the main valley lakes.

CARRIED

Mayor Kenyon mentioned that residents of Skaha Lake were inquiring whether Skaha Lake would be drawn down again next year. Draw-down last year had given lakeshore residents a chance to clean beaches and repair water intake pipes. The Secretary-Manager indicated he has not heard of any plans to lower Skaha Lake again this season. Mayor Kenyon suggested the Water Resources Service be requested to look into this.

Kenyon - Dooley

That the Okanagan Basin Water Board request the B.C. Water Resources Service to look into the possibility of lowering Skaha Lake in 1977.

CARRIED

Mayor Kenyon, in referring to the City of Kelowna's Wastewater management plan, noticed that the control of phosphorous into the lake would not be achieved until a late future date. He wondered if the City of Kelowna would consider temporary tertiary treatment until their long term plan is initiated; provided that short term measures do not exceed \$50,000.

Mr. Day indicated that a tertiary treatment plan had been presented to the City of Kelowna several years ago and was turned down by City Council.

Mayor Hindle suggested that Alderman Day present this proposal to the City Council of Kelowna after the New Year.

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The meeting adjourned at 4:45 p.m.

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Chairman

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Secretary-Manager