

MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD HELD
JANUARY 12, 1978, 2:00 P.M. OFFICES OF THE REGIONAL DISTRICT OF
CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

Present

R. Postill		R.D.N.O.
R. Neil		R.D.N.O.
J. Stuart		R.D.C.O.
C. Day		R.D.C.O.
E. Lamont		R.D.C.O.
D. Booth	Alternate	R.D.C.O.
F. Colclough		R.D.O.S.
A. Kenyon		R.D.O.S.
K. Blagborne		R.D.O.S.
W. Parchomchuk	Secretary-Manager	
D. Denney	Secretary	

Also Present

T. Carter, Association of B.C. Irrigation Districts
G. Punnett, Okanagan Implementation Program

Mr. Stuart welcomed new members for 1978 to the Board.

Appoint-
ment of
Directors

Letters indicating appointment of Directors to the Water Board for
the 1978 term were received as follows:

Regional District of North Okanagan:

R.W. Postill
R.R. Neil
H. Powell
C. Kanester (Alternate)
W. Ulansky (Alternate)

Regional District of Central Okanagan:

C. Day
J. Stuart
E. Lamont
H. Clark (Alternate)
D. Booth (Alternate)
Mayor J. Hindle (Official Observer)

Mr. Colclough indicated that the Regional Board of the Regional
District of Okanagan-Similkameen appointed the following Directors:

F. Colclough
A. Kenyon
K. Blagborne
J. Tait (Alternate)
G. Stayberg (Alternate)

Postill - Colclough

Res. No.
131/78

That the appointment of Directors to the Okanagan Basin Water Board
for the 1978 term be received as indicated.

CARRIED

Election
of
Officers

Mr. Stuart opened nominations for Chairman.

Mr. Colclough nominated Mr. Postill. Further nominations were
called for three times. Mr. Postill was declared Chairman of the
Board for 1978.

Mr. Postill assumed his position as Chairman and called for nominations for Vice-Chairman.

Vice-
Chairman

Mr. Stuart nominated Mr. Colclough. Further nominations were called for three times. Mr. Colclough was declared Vice-Chairman for 1978.

Minutes

Day - Neil

Res. No.
132/78

That the minutes from the meeting of November 3, 1977 be adopted as circulated.

CARRIED

Accounts

Regular administrative accounts outstanding to December 31, 1977 totalling \$735.91 were presented. Also presented was a summary of Provincial aquatic weed eradication accounts for the months October to December, 1977 inclusive, totalling \$181,334.65. To date, approximately \$470,000 has been expended under this program.

Stuart - Day

Res. No.
133/78

That the regular administrative accounts and the weed eradication accounts be received as submitted.

CARRIED

Correspondence:

Village
of
liver

1. A letter of December 6, 1977 from the Village of Oliver appointing Mayor Leo M. McKinnon as observer to the Water Board was received. This was for the information of the Board.
-

P.C.B.:
Village
of
Osoyoos

2. A letter of November 28, 1977 from Mr. W. Kastelen, Pollution Control Branch was received.

This letter was in reply to earlier correspondence from the Water Board requesting verification that at least 80% phosphorous removal from effluent is being achieved by the Village of Osoyoos. The Pollution Control Branch advised their monitoring data to date indicated that, on an average basis, phosphorous removal of more than 80% appears to be occurring between the Village of Osoyoos lagoons and the surfacing of some of the effluent in Kissinger Spring.

The Secretary-Manager indicated that under the Sewerage facilities assistance formula, the Village of Osoyoos was eligible for, and was requesting payment of a grant in the amount of \$3,248.16 for the first half of 1977. He also suggested that the grant should be conditional on the Village of Osoyoos having spray irrigation facilities operational by 1979. The Village has already acquired a pollution control permit for spray irrigation facilities.

Colclough - Kenyon

Res. No.
134/78

That the sewerage facilities reserve fund grant to the Village of Osoyoos for the first half of 1977 totalling \$3,248.16 be approved, and further that this grant be conditional on the Village of Osoyoos having spray irrigation facilities operational by 1979.

CARRIED

District
of
Coldstream
Reserve
Fund
Levy

3. A letter of January 4, 1978 from the District of Coldstream was received.

At the November 3, 1977 meeting of the Water Board, a resolution was passed that the one mill levy for Okanagan Basin Sewerage Facilities Assistance Reserve Fund be lowered to one-half mill for the year 1978. The Council of the District of Coldstream were objecting to this proposed reduction, and were of the opinion that the levy should be maintained at one mill to allow for the establishment of a large reserve which will be required for future assistance to some of the larger Municipalities, over the next few years, as they implement major tertiary treatment programs.

The Chairman expressed concern that by reducing the mill rate now, and increasing it to a greater amount in the future, would create a greater hardship to the communities than leaving the rate at one mill.

Director Stuart noted that the reserve fund was not being activated as quickly as anticipated, and was opposed to taxing people unnecessarily. He referred to the Provincial Government's recent statement inferring that all sewage outfalls will have to be removed from Okanagan Lake. The Province may have to assume additional funding. Effects of the 100% assessment were still not known. The full one mill levy could be raised when projects start to be implemented.

Director Kenyon gathered from recent discussions with the Minister that more information about financing would be available in the next few months. He felt that the levy should be left at one-half mill for 1978.

Director Colclough indicated that the resolution of the Water Board to lower the one mill levy to one-half mill cannot be rescinded, as the Regional Districts have already set their budgets based on a ½ mill levy. He felt this matter should certainly be reviewed later on in the year for 1979.

Stuart - Kenyon

Res. No.
135/78

That the correspondence from the District of Coldstream be received, and that the one-half mill levy be maintained for the year 1978, and that a one mill levy be reconsidered this fall for the year 1979.

CARRIED

Director Neil voted contrary to the motion.

Director Kenyon thought that the Board should meet with the Minister as soon as possible with regard to increased financial assistance for sewerage facilities as new standards are now required.

Director Colclough proposed the following amended resolution:

Colclough - Day

Res. No.
136/78

THAT whereas the Okanagan Basin Water Study identified phosphorous as the key productivity limiting factor in the addition of nutrients to the valley lakes;

And whereas the financing formula for funding of municipal waste collection and treatment was based on this premise;

And whereas the directive that Penticton may not discharge any more treated effluent into the lake system, and by inference this must apply to all valley communities;

And whereas this order substantially alters the cost to participating communities;

Now therefore be it resolved that the Okanagan Basin Water Board seek a meeting with the Minister of the Environment and the Minister of Municipal Affairs and Housing to request that additional financing be made available for implementing additional waste treatment works now required in the Okanagan Basin.

CARRIED

B. Marr,
Re: Skaha
Lake
lowering

4. A letter dated December 20, 1977 from B.E. Marr, Deputy Minister of the Environment was received.

Mr. Marr's letter was in reply to a request of the Water Board that a survey be done of all existing intakes on Skaha Lake to determine costs of lowering sufficiently to allow for a five foot reduction in the lake level to assist in milfoil control as requested by the City of Penticton. Mr. Marr informed that the Engineering Division is now assessing the major intakes around the lake to determine the logistics and costs of lowering these or providing alternative water intakes. The outcome of this assessment will govern the next steps toward using draw-down as a control measure.

Colclough - Kenyon

Res. No.
137/78

That the letter from Mr. B.E. Marr, Deputy Minister of the Environment, be received.

CARRIED

R.D.N.O.
Re: Weed
Eradica-
tion Pro-
gram

5. A letter dated November 10, 1977 from the Regional District of North Okanagan was received.

The Regional Board at their regular meeting held November 9, 1977 expressed disappointment that such a small acreage of Eurasian watermilfoil was controlled in the 1977 season. The Regional Board therefore unanimously resolved that the Aquatic Weed Control Program be accelerated and that all means necessary, including the use of 2,4-D be utilized during 1978 to better control the Eurasian Water Milfoil problem. A copy of this letter had also been forwarded to Mr. Peter Brady, Director, Water Investigations Branch.

The Secretary-Manager indicated that the Ministry of Environment would be releasing information by February on 2,4-D test results, and on the planned aquatic weed control program for this year.

Lamont - Neil

es. No.
138/78

That the letter from the Regional District of North Okanagan be received.

CARRIED

P. Newroth

6. A letter dated December 2, 1977 from Dr. P. Newroth, Project Manager, Aquatic Plant Management Program, was received.

The Water Investigations Branch was requesting the help of the Water Board in obtaining the following information from all organized territories in the Okanagan Valley.

- What is the estimated value, in annual dollar terms, of water based recreation within the municipal areas?
- Have Federal and/or Provincial Government grants been awarded for preservation, maintenance or improvements on beach recreation areas? What was the value of these grants and when were they awarded?
- What is the estimated annual cost of beach maintenance? What proportion of this cost is related to aquatic weed removal? Has this cost increased since Eurasian Water Milfoil was introduced to the Okanagan Basin?

Colclough - Lamont

Res. No.
139/78

That the letter from Dr. P. Newroth be received and that the staff of the Water Board be instructed to solicit information from all organized territories in the Okanagan Valley as requested in Dr. Newroth's letter of December 2, 1977.

CARRIED

Implemen-
tation:
Okanagan
Basin
Study
Recommendations

Present status of implementation of recommendations 13II, 41(c), and 44, relating to flood plain zoning, boating regulations, and beach access:

The Secretary-Manager outlined the summary of replies from municipalities and regional districts relative to implementation of recommendations 13II, 41(c) and 44, relating to flood plain zoning, boating regulations and beach access points. The following comments were made:

Flood Plain Zoning

Flood
Plain
Zoning

Flood Plain Zoning has been established in most communities and Regional Districts within the Basin. The City of Kelowna and the Regional District of Central Okanagan have not yet incorporated flood plain zoning by-laws. The Regional District of Central Okanagan is concerned with the substantial development already on the flood plain; and are waiting for maps indicating the 200 year flood plain. New zoning by-laws presently being prepared contain general regulations for flood plain zoning. Flood plain regulations for the City of Kelowna are presently established by internal policy which is adhered to by the Building Department, Engineering Department and the Planning Department. Accurate flood plain mapping is essential prior to the inclusion of flood plain zoning in a Municipal Zoning By-law.

Boating Regulations

Boating
Regula-
tions

Several areas have some type of by-law governing boating activities. It was noted that municipalities could apply to the Ministry of Transport through the Department of Recreation and Conservation for registration and regulation of boating activities within their own areas. Some municipalities have implemented by-laws to restrict boating within areas marked by buoys.

The Secretary-Manager indicated that it may be necessary for the Liaison Committee to meet and decide the next step with regard to implementation of these recommendations.

Director Lamont suggested that boating regulations should include regulations with regard to the dispersion of aquatic weeds from lake to lake. The Secretary-Manager indicated that the Water Board has communicated with the Province in this regard. Posters have been placed at launch sites, marinas, yacht clubs, etc. warning boaters of this danger. Perhaps all highly infested weed beds should be marked by buoys.

Colclough - Day

Res. No.
140/78

That the summary of present status of implementation of Recommendations 13II, 41(c) and 44, relating to flood plain zoning, boating regulations and beach access be referred to the Liaison Committee for action.

CARRIED

The Highway Department involvement in marking and clearing access points was reported. A meeting between Highways District Managers and Regional Districts appeared necessary.

Discussion ensued concerning the abusement of small beach access points. Most beach accesses that were initially intended for foot access to the beach, are being crowded by boat launching, and inadequate parking, etc. Director Stuart commented on the shortage of boat launching facilities in the Basin and suggested the Province be informed.

The Chairman mentioned that the Regional District of North Okanagan has an opportunity to have a large boat launching facility built on Kalamalka Lake. This would serve to consolidate smaller sites. He asked for the Board's support.

Stuart - Colclough

Res. No.
141/78

That the Okanagan Basin Water Board support the Regional District of North Okanagan in their efforts to have a boat launching facility built on Kalamalka Lake.

CARRIED

Inventory
of Crown
Land

The Secretary-Manager indicated that the Planners from the three Regional Districts have agreed to co-operate with the Water Board in compiling one base map for the entire Basin showing crown land and existing parks bordering mainstem lakes. Additional sites having recreation potential would also be marked. An updated inventory map showing crown land had recently been received from the Ministry of Environment. Director Stuart suggested contacting the Department of Highways and the Parks Branch for additional information.

Septic Tanks

Septic
Tanks

Comments by the Implementation Board and the Department of Municipal Affairs on proposed septic tank regulations were received. The next step would be hearing from the Regional Districts with regard to the overall recommendations which had been submitted to Regional Boards in 1977.

A letter of November 16, 1977 from E. Livingston Associates, Consulting Groundwater Geologists, concerning alternate methods of on-site disposal of domestic effluent was received. The consultants gave an outline of their proposal and estimated costs.

Kenyon - Colclough

Res. No.
142/78

That the letter from E. Livingston Associates be received.

CARRIED

Day - Lamont

Res. No.
143/78

That the letter from E. Livingston Associates be forwarded to the Ministry of Environment for their information.

CARRIED

Applications to Lands Branch for foreshore use:

Vedette
Enter.
Re: de-
velopment
of marina
and dining
facilities

1) Application by Vedette Enterprises Ltd. re: development of marina and dining facilities on crown foreshore Lot 4762, ODYD near Greta Ranch.

Director Colclough indicated that the application had also been forwarded to the Regional District of Okanagan-Similkameen, and because it is related to a fairly substantial development on the upland, the Regional District will be reviewing an overall development plan before forwarding their decision to the Land Management Branch.

Stuart - Blagborne

Res. No.
144/78

That the Okanagan Basin Water Board endorse the comments of the Regional District of Okanagan-Similkameen with regard to the application by Vedette Enterprises for foreshore use.

CARRIED

Carpenter
Re: Con-
struction
of wharf

2) Application by W.B. Carpenter re: construction of a wharf in Kalamalka Lake.

Director Stuart indicated that the Regional District of Central Okanagan had already reviewed this application and had no objection.

Stuart - Neil

Res. No.
145/78

That the Okanagan Basin Water Board has no objection to the application by W.B. Carpenter for foreshore use as submitted to the Land Management Branch.

CARRIED

Applications for Pollution Control Permits

Pollution
Control
Permit:
Wood Lake
Resort

- 1) Application for pollution control permit on behalf of Mr. Louis Schmaltz (Wood Lake Resort) dated June 6, 1974.

In a letter dated January 6, 1978, the Pollution Control Branch indicated that as the application was 3½ years old, it was determined a resolution would have to be reached. They considered any significant improvement to discharges in this area must await a sewer and that under these circumstances refusing permission to discharge at Woods Lake Resort would be unreasonable. They therefore determined that a permit should be issued with the proviso that the discharge is subject to connection to a municipal sewer system when one becomes available. Provision of sewers in the area was urged.

Stuart - Day

Res. No.
146/78

That the letter dated January 6, 1978 from the Pollution Control Branch concerning the application for permit on behalf of Mr. Louis Schmaltz (Wood Lake Resort) be received for information.

CARRIED

Pollution
Control
Permit:
Okanagan
Builders

- 2) Application for an amendment to a Pollution Control Permit by Okanagan Builders Land Development Ltd., Lot A, Plan 27580 .

It was noted that this is an existing situation and has been so for the past two years. An amendment to the permit is an administrative matter. Both the Technical Planning Committee and the Regional Board of the Regional District of Central Okanagan have recommended there be no objection to the proposed amendment.

Stuart - Day

Res. No.
147/78

That the Okanagan Basin Water Board have no objection to the application for an amendment to a Pollution Control Permit by Okanagan Builders Land Development Ltd. on Lot A, Plan 27580.

CARRIED

Liaison-
Waste
Treatment

Other Business

Director Kenyon felt that in view of the Minister of the Environment, Mr. Nielsen's announcement in Penticton on December 9, 1977 regarding a major change of policy affecting the Pollution Control Board regulations regarding standards for effluent disposal in the Okanagan, the Water Board immediately offer its services to the Ministry as a liaison body to assist in research design and implementation of the necessary works in the Basin. Perhaps the Liaison Committee could act in this capacity. A task force was to be set up to review alternatives for waste treatment at Penticton. He felt the Water Board should be represented on this task force.

Kenyon - Lamont

Res. No.
148/78

That the Okanagan Basin Water Board offer its services to the Ministry of Environment as a liaison body to assist in research design and implementation of the necessary works in the Basin relating to effluent disposal.

CARRIED

Director Stuart suggested that if the task force is successful in Penticton, a similar task force be established for Kelowna.

Health
Unit -
Septic
Tank
Monitoring

Director Kenyon understood that the South Okanagan Health Unit has undertaken a program of testing of possible sources of pollution from septic tank fields surrounding various water courses. He therefore suggested that the Water Board and the Implementation Board immediately set up liaison with the South Okanagan Health Unit staff in order that the Water Board could assist and acquire additional help from any affected municipalities.

The Secretary-Manager referred to a survey which was recently completed for Coldstream Creek. It was noted that nine septic tanks were found discharging to the Creek and approximately 900 livestock had direct access to the Creek. Perhaps more surveys of this type should be done.

Kenyon - Stuart

Res. No.
149/78

That the Okanagan Basin Water Board set up liaison with the South Okanagan Health Unit and the Implementation Board with regard to monitoring possible sources of pollution from septic tank fields surrounding various water courses.

CARRIED

Phosphor-
ous remov-
al Kelowna

Director Kenyon inquired if there had been any progress with regard to the City of Kelowna's future plans for sewage disposal. Director Kenyon felt that this problem should be urgently investigated and acted upon. Phosphorous removal facilities should be installed immediately even though this may only be a temporary measure. He proposed a motion to this effect.

Director Day indicated that the City of Kelowna was anticipating adopting a sewage disposal scheme which would have greater results than only phosphorous removal. This City was waiting for results of one of the programs they are experimenting with, namely the Bardon Flow System, and felt that time should be given to deal with the test results.

Director Stuart mentioned that the Bardon Flow process was under study at the University of British Columbia until the end of February. This system has been successfully used in South Africa, and tests are being completed to see if it could be modified to operate in the cooler winter climate of the Okanagan. The system has no chemical treatment involved. The total process is biological. The City of Kelowna could employ this system, if feasible, for approximately six million dollars.

Lamont - Neil

Res. No.
150/78

That the intent of the motion by Director Kenyon be tabled until the next meeting when test results would be available.

CARRIED

The meeting adjourned to committee at 3:50 p.m.

CERTIFIED TO BE TRUE & CORRECT

Chairman

Secretary-Manager

MINUTES FROM THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE
OAKANGAN BASIN WATER BOARD HELD JANUARY 12, 1978, 4:00 P.M.
OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 GROVES
AVENUE, KELOWNA, B.C.

Present

R. Postill	R.D.N.O.
R. Neil	R.D.N.O.
J. Stuart	R.D.C.O.
C. Day	R.D.C.O.
E. Lamont	R.D.C.O.
F. Colclough	R.D.O.S.
A. Kenyon	R.D.O.S.
K. Blagborne	R.D.O.S.
W. Parchomchuk	Secretary-Manager
D. Denney	Secretary

OBWB
Future
Role and
Objective

At the last meeting of the Board, some discussion occurred as to future role and objectives. The Board agreed to pursue this topic further during the first meeting in 1978. The Secretary-Manager reported that he and the past Chairman had prepared a short summary indicating what the Board's role might be. This had been mailed to Directors for discussion.

Director Postill felt that the Board should look back to recollect why it was originally formed. Director Colclough mentioned that the Board, with the Implementation Board and the Liaison Committee was just starting to implement the findings of the Okanagan Basin Study. The Water Board's connection with the Implementation Board and other Government agencies should be strengthened. Director Postill felt the Board should now take a stronger stand with member municipalities in waste treatment programs.

Director Stuart felt the Water Board was the only political voice representing the whole Okanagan Basin, and could speak on behalf of the Valley. The two major roles the Board should be involved with are sewage outfalls and water management. Director Stuart suggested that the Water Board invite the three MLAs of the Okanagan to a closed meeting. He then referred to the weed eradication program, and how he attempted to arrange a meeting with the Environment Minister to discuss this matter for the last three months, but was unsuccessful. This matter could be discussed with the three MLAs as well. It was suggested that a meeting with the three Valley MLAs be arranged for early March prior to meeting with the Ministers concerned at a later date.

Stuart - Neil

Res. No.
151/78

That a meeting be arranged between the Okanagan Basin Water Board and Mrs. P. Jordan, MLA, North Okanagan, Premier W.R. Bennett, MLA, South Okanagan, and J. Hewitt, MLA, Boundary-Similkameen.

CARRIED

Some of the items for discussion at this meeting could include: additional costs and assistance for waste treatment, the aquatic weed program, Westbank administrative arrangements for waste treatment, and possible water shortage problems. An agenda would be forwarded prior to this meeting. Directors may wish to add to the agenda.

The meeting adjourned at 4:30 p.m.

CERTIFIED TO BE TRUE & CORRECT.

Chairman

Secretary-Manager

MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD HELD MARCH 30, 1978, 2:00 P.M. OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

Present

R. Postill	Chairman	R.D.N.O.
R. Neil		R.D.N.O.
H. Powell		R.D.N.O.
J. Stuart		R.D.C.O.
C. Day		R.D.C.O.
E. Lamont		R.D.C.O.
K. Blagborne	Alternate	R.D.O.S.
G. Stayberg		R.D.O.S.
W. Parchomchuk	Secretary-Manager	

Also Present

H. Fisher, Alderman, City of Penticton
 T. Carter, Association of B.C. Irrigation Districts
 G. Punnett, Information Officer, Implementation Program
 J. Simpson, Resident, City of Kelowna
 B. Stevens, Secretary to G. Whittaker, MP, Okanagan Boundary
 P. Scales, Aquatic Plant Management Program
 R. Buchanan, Aquatic Plant Management Program
 P. Brady, Director, Water Investigations Branch
 P. Newroth, Project Manager, Aquatic Plant Management Program

Minutes

Stuart - Neil

Res. No. 152/78

That the minutes from the meeting of January 12, 1978 be adopted as circulated.

CARRIED

Accounts

Regular administrative accounts totalling \$1,528.95 outstanding to March 30, 1978 were presented.

Stuart - Neil

Res. No. 153/78

That the administrative accounts outstanding totalling \$1,528.95 be approved.

CARRIED

Sewerage
Facilities
Assistance
Grants -
Reserve
Fund

The following payments were made under the Sewerage Facilities Reserve Fund for the second half of the year 1977.

City of Vernon	\$15,836.15
District of Coldstream	8,533.92
City of Penticton	10,601.36
Village of Osoyoos	8,086.80

TOTAL.....\$43,058.23

Neil - Day

Res. No. 154/78

That payments for the second half of 1977 under the Sewerage Facilities Reserve Fund totalling \$43,058.23 be approved.

CARRIED

Aquatic
Plant
Management
Program
Accounts
(Provin-
cial)

Reimburseable accounts under the Provincial Aquatic Plant Manage-
ment Program were presented as follows:

January, 1978	\$ 47,835.31
February, 1978	141,195.40
March, 1978	94,944.98
TOTAL.....	<u>\$283,975.69</u>

Details of each account were presented to the Board.

Lamont - Powell

Res. No.
155/78

That the accounts totalling \$283,975.69 under the Aquatic Plant
Management Program be approved.

CARRIED

Carrying
Charges
For 1977
Aquatic
Weed
Accounts

The Secretary-Manager indicated that interest costs under the
aquatic weed program from the time invoices were received to
the time the amounts were reimbursed by the Province would have
to be paid to the Regional District of Central Okanagan. It
was indicated that the Water Board during 1977 had a surplus
of \$45,000 in accounts which were initially designated for the
aquatic weed program. Interest should only be charged on the
accounts outstanding when they exceed \$45,000. The initial
\$45,000 would be covered by the surplus. During finalization
of the Okanagan Basin and Provincial Government Aquatic Plant
Management Agreement there was some provision for the Province
to pay excessive interest costs, however, this was not clear.
By charging interest only when accounts exceed an unpaid balance
of \$45,000, could perhaps be a suitable compromise. The amount
of interest that would be calculated for 1977 would be \$2,260.77.
The amount of interest that would accrue without using the
\$45,000 as an interest free base would amount to \$4,628.61.

Director Stuart suggested that the Water Board charge the Province
interest only on the balance outstanding over \$45,000 which would
amount to \$2,260.77. The \$45,000 surplus of the Water Board would
be used as front end money.

Stuart - Stayberg

Res. No.
156/78

That the Okanagan Basin Water Board claim \$2,260.77 from the
Province as carrying charges on aquatic weed accounts during the
year 1977.

CARRIED

1978
Budget
Amendment

An amendment to the 1978 Budget was presented for the Board's
approval. Under the revised budget the surplus from the previous
year was shown to be \$49,000 rather than \$43,000 as indicated on
the Provisional Budget. This figure was still basically an esti-
mate as the audited financial statements were not complete. It
was suggested that some of the expected increased surplus be used
as a contingency under the administrative overhead of the Aquatic

Plant Management Program since it was not certain as to the total amount of purchases to be made by the Province under the program in 1978; and therefore carrying charges and handling charges incurred by the Regional District would have to be increased. The administrative overhead for the aquatic plant management program was therefore increased to \$12,000 from the \$9,000 figure under the Provisional Budget. The remaining amount of the projected surplus increase would be used to reduce the requisition in 1978 to the three Regional Districts. The reduced amount of requisition for each of the three Regional Districts was shown.

Lamont - Day

Res. No.
157/78

That the amendments to the 1978 Budget be approved.

CARRIED

Appoint-
ment of
Signing
Officers

It was indicated that during the past term, the Okanagan Basin Water Board had appointed the Chairman, Vice-Chairman and Secretary-Manager as signing officers with any two signatures required. Past Chairman Stuart was neither Chairman nor Vice-Chairman this year, but it was suggested that since he was located in the Central Okanagan, it would be convenient to have him retained as a signing officer.

Neil - Lamont

Res. No.
158/78

That the signing officers for the Okanagan Basin Water Board be R. Postill, J. Stuart and the Secretary-Manager.

CARRIED

Director Stuart suggested that in the future the Chairman and the Vice-Chairman be permanently designated as signing officers.

Correspondence:

City of
Penticton:
Lowering
of Skaha
and Okan-
agan Lake

1. Letter of March 9, 1978 from the City of Penticton.

The City of Penticton was requesting the Board's support for a lowering of levels on Skaha and Okanagan Lakes at this time of the year to enable work to be carried out on beaches. The City also suggested that during the summer season, both Okanagan and Skaha Lake be held at lower levels to provide more useful public beach on Okanagan and Skaha lakeshores.

The Secretary-Manager reported that contact had already been made with the Water Investigations Branch. The lowering of Skaha Lake would facilitate the installation of sewerage collection works at Okanagan Falls and would provide considerable cost savings. The offices of the Water Board had been in contact with the City of Penticton, the Regional District of Okanagan-Similkameen, the Water Investigations Branch, and the consulting engineering firm for the Okanagan Falls Sewerage System to ensure all parties were agreed as to the objective and timing of Skaha Lake lowering.

Since time was of the essence, the Water Investigations Branch was urged to commence a slow drawdown of Skaha Lake. Consequently drawdown started on March 20th. As of March 30th, the level was drawn down to 1107.20' elevation, which is approximately 3/10ths of a foot below the minimal operating level. Drawdown would continue to April 10th, with the target elevation being 1105.0'. This elevation would hopefully be maintained for four weeks. It was indicated however, that should some problems arise, drawdown would be discontinued on short notice and the lake maintained at a level suitable for water users. Water users or other residents on Skaha Lake experiencing difficulties were asked to telephone Mr. Bill Barden at 497-5463. Minor water intake problems resulting from lower lake levels would be corrected.

Mr. Stayberg indicated the City of Penticton has hoping Skaha Lake would be drawn down to the lowest level possible. He indicated that the City of Penticton also had a second request; and that was to keep Okanagan Lake and Skaha Lake at lower levels than was normally done during the summer months. This was to prevent a certain amount of beach erosion and to make more public beach space available.

Mr. Stuart indicated that in lowering Okanagan Lake during the summer months there should be some consideration given to the possibility of dry years. This constraint should be kept in mind when asking for a lowering of the lake. Mr. Stayberg indicated that the amount of lowering would only be approximately six inches.

Stayberg - Lamont

Skaha Lk.
Res. No.
159/78

That Skaha Lake be lowered to the lowest possible level that can now be managed for the purposes of beach clean up and installation of Okanagan Falls Sewerage Facilities, and that the lake be kept six inches lower than the normal level during the summer months.

CARRIED

Stayberg - Stuart

Okanagan
Lake
Res. No.
160/78

That the Okanagan Basin Water Board enquire of the Water Investigations Branch as to the feasibility of keeping Okanagan Lake levels approximately six inches lower than the normal practice during the summer months, and if this is possible, while considering all other water management constraints, that the Water Investigations Branch be asked to maintain the lake at this lower level.

CARRIED

Director E. Lamont voted contrary to the motion.

R.D.C.O.
Logging-
Mission
Creek

2. Memorandum of March 8, 1978 from the Regional District of Central Okanagan concerning logging.

The memorandum indicated that the Regional Board of the Regional District of Central Okanagan had been informed that logging was taking place in the Okanagan Highlands near the Headwaters of Mission Creek, an important tributary to the Okanagan and source of irrigation and domestic water to much of the central Okanagan area. The current logging, although not taking place in the Okanagan Basin was nearby in the Kettle Watershed, just two miles east of the Mission Creek Watershed. There are also plans for extensive logging in the Harris Creek Watershed immediately to the north of the Mission Creek Headwaters. There was concern that logging could possibly

be carried out in the Mission Creek Watershed. This would have a tremendous environmental impact to the area because of the sub-alpine characteristics. It was suggested there be a moratorium on logging operations at elevations in excess of 5,500'. The Regional Board had indicated their concern and had referred the matter to the Technical Planning Committee and the Water Board.

A subsequent letter dated March 17, 1978 from Crown Zellerbach to the Regional District indicated that there was presently no logging at the high elevation in the Okanagan P.S.Y.U. which covers the Mission Creek Watershed. Any plans for logging would have to be circulated through the B.C. Forest Service.

Mr. Stuart reported that the Regional District of Central Okanagan had raised concern and this was a justifiable concern of the Water Board since it involved the watershed. He suggested that the Water Board ask the Forest Service for information as to any logging plans in the high elevations of the Mission Creek watershed. He also indicated there is concern over the use of four-wheel drive vehicles in this high alpine area.

Stuart - Blagborne

Res. No.
161/78

That the Okanagan Basin Water Board write the Water Rights Branch and the B.C. Forest Service expressing their concern over possible logging in the upper Mission Creek Watershed and that the Okanagan Basin Water Board be informed of any logging plans; and further that the Board request any information concerning regulation of the use of vehicles on alpine terrain.

CARRIED

Regional
District
of Thomp-
son Nicola
: Water
Quality

3. A copy of a letter of March 23, 1978 from the Regional District of North Okanagan with an enclosed letter from the Regional District of Thompson-Nicola was brought to the attention of the Board.

The Regional District of Thompson-Nicola had passed a resolution "That the Regional District assume decisive leadership and become the vehicle to express concerns on watershed and water quality in the total area of the Regional District".

Stayberg - Blagborne

Res. No.
162/78

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

CARRIED

1978
Aquatic
Plant
Management
Program

Proposals for 1978 Aquatic Plant Management Program

A letter of March 13, 1978 from the Honourable J. Nielsen concerning the 1978 Aquatic Plant Management Program had been mailed to the Board members at an earlier date along with a report entitled "Proposals for the 1978 Aquatic Plant Management Program", prepared by the Water Investigations Branch. A further report entitled "The Fourth Interim Report of the Advisory Committee on the Control of Eurasian Watermilfoil in the Okanagan Basin, British Columbia" was also mailed.

Mr. P. Brady, Director of the Water Investigations Branch along with Dr. P. Newroth, and Dr. R. Buchanan, both of the Aquatic Plant Management Program were present at the meeting to present a further report and to answer questions.

Mr. Stayberg asked whether the Interministerial Pesticide Committee had approved the herbicide program for aquatic weeds. Dr. Newroth indicated that approval had not been received at this time, but was expected shortly.

Dr. Newroth gave a verbal report on the past year's program. He indicated that three offices had been established in the Basin. He introduced Mr. Peter Scales who would be the Public Information Officer. He drew the Board's attention to some of the reports that have been available. He indicated that the priorities under the program were to contain and control the aquatic weed problem and prevent it from spreading to other lakes in the Okanagan and in the Province. There was a priority to control the relatively small patches on Kalamalka and Osoyoos Lakes. As many public beach areas as possible would be treated, particularly where there had been specific requests. Until final approval on herbicide use is given, detailed plans could not be made.

Mr. Stayberg expressed concern that relatively expensive equipment purchased under the program was not being put to its potential use. Dr. Newroth indicated that there was a limited time span in which much of the equipment could operate owing to rough weather and a protective boom required around the equipment to prevent weed spread. He was aware of the concern for the need for full operation of the machinery.

It was hoped that herbicide applications would be made at the end of May and during the month of June. The intent was not to expose anyone to 2,4-D. Dr. Newroth indicated that results of last year's monitoring program on 2,4-D had been available last fall, but have not been published. These results have been discussed with all the authorities concerned in making decisions on this year's program. Findings of the past year indicated that there should be no problems from the safety view point. The herbicide does not accumulate and it has been effective, particularly in the West Keys lagoon. A variety of methods to control the plant were required. It was necessary that 2,4-D be one of these methods. Monitoring would be continued under this year's program. The maximum distance of drift recorded during the past year was 160 metres. Levels of the herbicide in the water did not exceed health standards.

It was indicated in the second last paragraph of the Honourable J. Nielson letter that the Minister would like to receive comments on the program from the Board as soon as possible. The Board indicated once the reports have been studied, comments could be forwarded.

Copies of correspondence forwarded from the Kelowna & District S.P.E.C. to the City of Kelowna and Dr. D. Clarke, South Okanagan Health Unit, concerning the use of 2,4-D were circulated for the Board's information.

Liaison Committee Report and Recommendations:

Flood
Plain
Zoning

The Committee reported that flood plain zoning maps, for the Central Okanagan area, to be provided by the Provincial Government were still lacking. The Planning Director from the Regional District of Central Okanagan had requested that these be given priority by the Water Investigations Branch.

Stuart - Day

Res. No.
163/78

That a letter be written to Mr. Simmons of the Implementation Board asking that flood plain mapping as requested by the Planning Director of the Regional District of Central Okanagan be given priority.

CARRIED

Boating Regulations Boating regulations for the Okanagan mainstem Lakes had been researched by the Committee. The proper procedure to implement boating regulations would involve a recommendation being made from the local area to the Recreation and Fitness Branch of the Ministry of Recreation and Conservation which would in turn make a referral to the Ministry of Transport for amendments under the Canada Shipping Act. All regulations would be published in the Canada Gazette. The regulations as outlined under the Canada Shipping Act would provide for consistent regulations throughout the Basin making implementation less difficult.

Possible implementation of boating regulations through municipal by-laws had also been researched. The Department of Municipal Affairs recommended that regulations be imposed through the Canada Shipping Act rather than through municipal by-laws.

Under the Canada Shipping Act, consistent regulations can be made relative to boat speed, use of vessels of any type, use of power driven vessels, water skiing, and erosion. The Committee recommended that:

The Regional Districts support the implementation of boating regulations throughout the basin, and that uniform applications for changes in regulations be made as a whole throughout the basin through the Okanagan Basin Water Board and the Canada Shipping Act.

Blagborne - Stayberg

Res. No. 164/78 That the Okanagan Basin Water Board support the recommendations of the Liaison Committee relating to the implementation of boating regulations.

CARRIED

Clearing Public Beach Access Pointed The Committee indicated that letters had been received from the Regional Maintenance operations manager of the Highways Department in Kamloops committing the Highways Regional offices to marking and clearing public beach access points. Some progress has already been made in the Regional District of North Okanagan and within the City of Kelowna.

The Committee suggested that once access points have been cleared and marked it should be left up to the regional district to determine the type of use at each access point and to determine whether parking would be made available at the site or whether foot traffic only would be permitted. The Committee suggested that if the Highways Department cleared and marked all access points, perhaps the Regional Districts could maintain access points under their individual Parks programs. They should liaise with their respective District Highway Managers.

The Committee recommended that the Okanagan Basin Water Board approach each regional district asking them to make arrangements with their respective District Highway Managers for the clearing, marking and maintenance of public lake beach access points. The Regional Districts could then designate the use of each access point and place appropriate signs where necessary. Correspondence received from the Highways Department would be made available to each regional district.

Res. No. Stuart - Neil
165/78

That the Okanagan Basin Water Board support the recommendations of the Liaison Committee relative to the clearing and marking of public beach access points.

CARRIED

Boat Launching Facilities
It was reported that several agencies have been involved with the installation of boat launching facilities in the past. These included the Highways Department, the Parks Branch and the Small Craft Harbours Branch of the Federal Ministry of the Environment. The Small Crafts and Harbours Branch has a program whereby it would provide materials in conjunction with a Canada Works Program sponsored locally. The local agency must also provide the site and maintenance. Under the tourist wharf program of the Small Crafts and Harbours Branch, grants up to \$15,000 can be awarded for the installation of boat launching facilities. The initiative, however, must come from local government.

Mr. Stayberg requested that copies of all correspondence from other agencies relative to boat launching facilities be forwarded to the regional districts and cities within the Basin. The following recommendation was made by the Liaison Committee:

"That the Water Board contact the regional districts asking them to advise the Board where boat launching sites are needed and in the meantime, the Liaison Committee would arrange for a meeting between the Highways Department, the Parks Branch, and the Small Crafts and Harbours Branch to coordinate the procedure for implementing boat launching facilities."

Stayberg - Blagborne

Res. No. 166/78
That the Okanagan Basin Water Board accept the recommendations of the Liaison Committee relating to boat launching facilities.

CARRIED

Foreshore Structures
The Liaison Committee had dealt with several referrals from the Lands Branch concerning the construction of wharves by upland owners on crown foreshore. The Committee felt that a policy should be developed concerning future construction of facilities on the foreshore areas. Docks and wharves often impede water flow creating problems of weed accumulation and equipment maneuverability. The Committee recommended that:

The Okanagan Basin Water Board contact the Lands Branch urging that all future wharf construction be made so that wharves are of a floating type only, thereby alleviating problems arising from fixed structures.

Mr. Stayberg asked that the word "floating" be changed to "portable" since there are methods of wharf construction where the wharf is not necessarily floating but can be easily removed depending on the type of piling and fixtures used.

Stayberg - Neil

Res. No. 167/78
That the Okanagan Basin Water Board accept the recommendation of the Liaison Committee as amended pertaining to structures on crown foreshore.

CARRIED

Mission Creek Multiple Water Use The Secretary-Manager reported that the Liaison Committee had been informed of the meeting held on February 23, 1978 involving Mission Creek water users. The Secretary-Manager along with representatives from the Water Rights Branch, Fish & Wildlife Branch, and several irrigation districts had attended the meeting. The purpose was to discuss future water management policies for the creek and to derive a modified flow regime which would satisfy the needs of both agriculture and the fisheries. A series of meetings would be held at future dates to see whether this objective can be met through several alternatives.

Stuart - Stayberg

Res. No. 168/78 That the report on the meeting of the Mission Creek water users be received, but no action taken until final alternatives have been proposed.

CARRIED

Educational Programs re: diffuse pollution sources The Liaison Committee had dealt with a report on water quality of Coldstream Creek, which had been prepared by the Pollution Control Branch and the Department of Agriculture. The report included an inventory of all diffuse sources of pollution to Coldstream Creek, including small and large livestock operations and septic tanks. Although many sources have now been recognized, it is difficult to implement corrective action owing to the lack of adequate support legislation. The Liaison Committee therefore recommended that an educational approach be taken to educate the general public and creekside property owners of the importance of removing diffuse pollution sources from streambanks. The Department of Education has some provision for this type of program. The Committee therefore recommended:

That the Okanagan Basin Water Board contact the regional districts and Implementation Board urging the support and development of educational programs dealing with diffuse pollution sources.

Powell- Blagborne

Res. No. 169/78 That the Okanagan Basin Water Board support the recommendations of the Liaison Committee dealing with educational programs for pollution control.

CARRIED

Urban Drainage The Liaison Committee had circulated a report entitled "Conference on Modern Concepts for Urban Drainage" to the municipal engineering departments of the three major cities within the Basin. The report dealt with many of the problems concerning urban runoff and storm sewers. Some attention should be given to storm sewer discharges. A meeting with the three engineers from the three major urban centers, and representatives of the Liaison Committee as well as representatives from Environment Canada was being arranged for April 13th.

Information Seminar held March 15/78 The Secretary-Manager reported that an information seminar on the Implementation Program was held March 15th in Penticton. This was attended by approximately 60 representatives of various government agencies who are involved with implementation of the Okanagan Basin Study. The purpose was to inform all participants of action being taken and of the programs currently underway. Hopefully this type of seminar would encourage a higher level of communication between all the agencies responsible for implementation.

Several representatives from municipalities within the Basin were present.

Okanagan Falls Sewerage Facilities

During the April 6, 1977 meeting of the Okanagan Basin Water Board, the Board had approved in principle a sewage system for the Okanagan Falls area. This was subject to a review of the final design which has been received from consultants. The system consists of a collection system, oxidation ditch, a pump station, 8,860 ft. of force main, and 3 exfiltration ponds. There would be no direct discharge of sewage to surface water. The Pollution Control Branch had reviewed the application. It appeared that this system was capable of at least 80% phosphorous removal. Construction was to start in early April.

Stayberg - Stuart

Res. No. 170/78

That the final design of the Okanagan Falls waste treatment facilities be approved.

CARRIED

Proposed mtg. re: Implementation Agreement

The Liaison Committee had recognized the importance of seeking co-operation of the regional district and municipalities in implementing those aspects of the Okanagan Basin Implementation Agreement relating to local government. It was suggested to improve communication, that a meeting be arranged between the Water Board and the senior staff, and senior elected representatives of each community and regional district in the Basin. Procedures and objectives under the implementation program could be explained. Mr. Neil suggested that such a program could be arranged along with an O.M.M.A. meeting. The Chairman suggested this type of meeting was of considerable importance since the Water Board should offer strong leadership in the Okanagan community for the implementation, particularly, of sewage treatment recommendations.

Director Stayberg felt the Board should make all the communities in the Basin aware of what must be done under implementation and what others are doing. The Board should also urge communities who have not yet implemented waste treatment to proceed at an early date.

Neil - Stayberg

Res. No. 171/78

That the Okanagan Basin Water Board support the recommendations of the Liaison Committee concerning a meeting with all municipalities and regional districts, and that the Liaison Committee make arrangements for the meeting, hopefully in conjunction with a meeting of the O.M.M.A.

CARRIED

Penticton Outfall Removal

The Secretary-Manager reported on a meeting he had attended on January 26 in Victoria, along with approximately 40 representatives from many Federal, Provincial, and Local agencies, to deal with the recent announcement of the Provincial Government that the Penticton outfall would no longer be allowed to discharge into Skaha Lake. Waste would be utilized on land. The purpose of the meeting was to explore methods to utilize nutrients. The Penticton situation was no longer in the study phase, but in a project phase.

A critical path program had been set which called for construction of an alternate method of disposal by 1979. Utilization of waste water for spray irrigation in the White Lake area seemed to be the preferred method. During the opening remarks of the meeting, the Honourable J. Nielsen had indicated that this was a new major directive of the Province. Discharges of waste material to fresh waters would have to be removed. He had informed the Federal Government of the Province's intentions and suggested there be additional cost sharing. However, the Province would not be dependant upon the Federal Government. Speed was important in the program. The meeting had been informed that financing would be provided and the meeting would be involved primarily with looking into an alternative method of disposal.

A meeting of March 22, 1978 with the Honourable J. Nielsen, Honourable H. Curtis, Honourable H. Hewitt, R. Postill, A. Kenyon, C. Day, and W. Parchomchuk was reported. The purpose of the meeting was to discuss with the Minister of Environment the recent policy change concerning removal of all waste discharges to the Okanagan Lakes. This policy change, it was felt, would inevitably lead to higher cost which would affect the Okanagan Basin Water Board Cost Sharing Formula and the cost to individual municipalities. The Board had earlier indicated it felt there should be greater Provincial sharing of these costs since this was a new policy imposed by the Province.

During the meeting Mr. Nielsen had indicated that cost figures for a new Penticton proposal were still being compiled and it was presumptuous to assume that these costs would be higher. Studies on Penticton alternatives would soon be complete, at that time cost figures will be known. Once these figures are available, they would be discussed with the Water Board and the community to determine if a new formula is needed. It is not known at this time if the Federal Government will share.

Insofar as the removal of waste discharges in other communities, such as Kelowna, the Minister had indicated he would meet directly with the community concerned. Ideally, it would be best to dispose of wastes on land at Kelowna as well, but it was recognized that costs would be high. It would be necessary to look at each situation separately. Even though the Penticton project was termed to be a pilot it was suggested that other communities should not wait to proceed with implementation of waste programs. Mr. Curtis had indicated that the Department of Municipal Affairs was concerned with funding. Mr. Woodward had indicated that a standard for waste treatment should be set now so that funding formulas could be stabilized.

Director Stuart and Director Day reported that the City of Kelowna would have cost figures by July or August on the new Barden-Pho process they would likely be implementing. Although it was often contemplated that the total discharge would be removed from the water system immediately, this could perhaps be done, but in the future.

Director Stayberg and Director Neil indicated concern that the City of Kelowna did not have some phosphorous removal facility in operation at this time. They suggested that interim phosphorous removal facilities be installed immediately until the City has made a decision on the final removal process.

Director Day indicated that several more tests concerning heavy metals were being done at U.B.C. on the Barden-Pho process. The City is very much encouraged by this process, and will be applying for a permit shortly. Director Stayberg suggested that a letter be written to the City of Kelowna asking them to initiate an interim phosphorous removal process while they are awaiting action on the long term program. Mr. Neil urged that some firm commitments be made by the City of Kelowna in proceeding as rapidly as possible with a phosphorous removal program.

Lands Branch Referrals

City of Pentiction Right-of-way Application 1. City of Pentiction - Application for right-of-way to Okanagan River.
A referral of February 28, 1978 from the Lands Branch contained an application from the City of Pentiction for a right-of-way through crown land on the former bed of the Okanagan River. The right-of-way application was for placement of a storm sewer drain.

Lamont - Day

Res. No. 172/78 That the application by the City of Pentiction for a right-of-way through crown land to the Okanagan River oxbow be approved.

CARRIED

Village of Osoyoos Crown Lease 2. Village of Osoyoos - Application for renewal of a crown lease on lot 40 on Osoyoos Lake.
The lot had previously been under lease by the Village of Osoyoos

Stayberg - Powell

Res. No. 173/78 That the application for a renewal of a crown lease for recreational purposes by the Corporation of the Village of Osoyoos on Osoyoos Lake be approved.

CARRIED

Applications for Pollution Control Permits:

The following applications for pollution control permits were reviewed:

- Chaput Logging a) Chaput Logging Ltd., Lumby, B.C. - to discharge refuse from log yard waste approximately three miles north of Lumby on Trinity Valley Road. The type of treatment to be applied to the refuse would be burning during the fire season.
- Crown Zellerbach b) Application for an amendment, by Crown Zellberbach Ltd., of Pollution Control Permit PE368 to authorize the addition to the permit of the overflow discharge from a Dyer Deluge System located at Armstrong. The effluent would be treated through an exfiltration basin.
- Ministry of Forests c) Application by the Ministry of Forests to discharge effluent from the Vernon Spray Irrigation system onto approximately 25 acres of the Forest Service Nursery located on the east side of Hwy. 97 inside the south boundary of the City of Vernon. The average annual daily discharge would be 12,000 gallons per day.

Director Neil indicated that the City of Vernon had not been contacted by the Forest Service concerning their intention to use the City of Vernon effluent. It was indicated that the City was responsible for the monitoring of their effluent, even when applied by other users.

The Regional Board of the Regional District of North Okanagan had reviewed the above permits and supported each application.

Neil - Blagborne

Res. No.
174/78

That the Okanagan Basin Water Board have no objection to the applications for Pollution Control Permits by Chaput Logging Ltd., Crown Zellerbach, and the Ministry of Forests, and that a letter be forwarded to the Ministry of Forests indicating that the Forest Service had not contacted the City of Vernon concerning the use of this effluent, and that a copy of the correspondence be forwarded to the City of Vernon.

CARRIED

North
Valley
Lands

d) A further application by North Valley Lands Ltd., Enderby to discharge municipal refuse on a site four miles south of Armstrong was considered. The average daily discharge would be 500 cubic yards per week. This would be to a sanitary land-fill of level B or C standard. The Regional District of North Okanagan had objected to the application.

Neil - Stuart

Res. No.
175/78

That the Okanagan Basin Water Board support the Regional District of North Okanagan objection to the application for a pollution control permit by North Valley Lands Ltd.

CARRIED

Other Business

Seminar:
Human
Settle-
ments

That Secretary-Manager indicated that he had been asked by the Centre for Human Settlements at the University of British Columbia to attend a seminar entitled "Managing Water Resources for Human Settlement". Much of the program contained in the seminar involved the Okanagan Basin Water Resource. Further information on the program would be obtained before indicating a response to attend. If attendance was thought to be worthwhile, the Secretary-Manager requested permission of the Board to attend.

Stuart - Neil

Res. No.
176/78

That permission be granted for the Secretary-Manager to attend the conference on "Managing Water Resources for Human Settlement" if required.

CARRIED

Septic
Tank
Regu-
lations

Mr. Fisher enquired concerning the status of septic tank regulations which the Water Board had been dealing with for some time. The Secretary-Manager indicated that a response is now required from the Regional District of North Okanagan, and the Regional District of Central Okanagan concerning their comments with respect to septic tank regulations which had been circulated to their offices. It was agreed the Regional Districts of North Okanagan and Central Okanagan would forward a response.

The meeting adjourned at 4:35 p.m.

CERTIFIED TO BE TRUE & CORRECT.

Chairman

Secretary-Manager

MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD
JUNE 1st, 1978, 2:00 P.M., OFFICES OF THE REGIONAL DISTRICT OF
CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, BC.

Present	C. Kanester	Alternate	R.D.N.O.
	W. Ulanskey	Alternate	R.D.N.O.
	C. Day		R.D.C.O.
	D. Booth	Alternate	R.D.C.O.
	A. Kenyon		R.D.O.S.
	K. Blagborne		R.D.O.S.
	F. Colcough	Vice-Chairman	R.D.O.S.

Also Present

G. Punnett, Information Officer, Implementation Program
T. Carter, Association of B.C. Irrigation Districts
B. Stevens, Secretary to G. Whittaker, MP, Okanagan Boundary

Vice-Chairman F. Colclough chaired the meeting.

Minutes Day - Blagborne

Res. No. 177/78 That the minutes from the meeting of March 30, 1978 be adopted as circulated.

CARRIED.

Accounts Administrative accounts for the period April 1st - May 31st totalling \$1450.55 were presented.

Booth - Kenyon

Res. No. 178/78 That accounts totalling \$1450.55 be accepted.

CARRIED.

Sewerage Facilities Assistance Grants - Vernon Due to the deficiency payment levied by the M.F.A. on foreign borrowings, an additional \$1956.44 was payable to the City of Vernon for 1977 grants under the Okanagan Basin Water Board Sewerage Facilities Assistance Formula.

Kanester - Ulanskey

Res. No. 179/78 That an additional \$1956.44 sewerage facilities grant representing the balance outstanding for the year 1977 be paid to the City of Vernon.

CARRIED.

Aquatic Weed Program Accounts Accounts incurred under the Aquatic Weed Management Program for the months of March and April totalling \$235,125.86 were presented.

Director Kenyon expressed concern that the Aquatic Plant Management Program were still renting at a high price rather than purchasing vehicles. The Secretary-Manager indicated that since the program had been fully assumed by the province, the amount of expenditure incurred through the Okanagan Basin Water Board for the first year of operations totalled \$998,781.46. In addition to this amount a considerable expenditure has been made directly through the province. The province has reimbursed all accounts to date, except for the month of April claim which had recently been submitted.

Kenyon - Day

Res. No. 180/78 That accounts under the Aquatic Plant Management Program for the months of March and April, totalling \$235,125.86, be accepted.

CARRIED.

Financial
Statements
Year
ended
Dec. 31/77

Detailed, audited, financial statements of the Okanagan Basin Water Board, for the year ended December 31, 1977 were presented. The statements included a revenue fund balance sheet, a statement of revenue and expenditure administration, a statement of revenue and expenditure weed eradication, a capital fund balance sheet, a capital fund statement of equity and capital assets, a capital fund statement of capital financing, a sewerage facilities assistance reserve fund balance sheet, and a sewerage facilities assistance reserve fund statement of changes in fund balance.

Statements had been mailed to the Board at an earlier date.

Booth - Ulanskey

Res. No.
181/78

That the Okanagan Basin Water Board accept the financial statements for the period ended December 31, 1977.

CARRIED.

Correspondence:

W. Boyd
Observer
Labour
Council

1. Letter of April 15, 1978 from Bert Nielson, Secretary Okanagan Labour Council. The Labour Council was asking if the Water Board would accept the nomination of Mr. Bill Boyd as an observer. It was indicated that Mr. Nielson had also been appointed observer at an earlier date. The Labour Council would like to have both names maintained as observers to the Board if possible.

Kenyon - Day

Res. No.
182/78

That the Okanagan Basin Water Board accept the nomination of Mr. Boyd as observer on the behalf of the Okanagan Labour Council, and that the Labour Council be so informed.

CARRIED.

Logging
Headwater
Mission
Creek

2. Letter of May, 1978 from J.R. Johnston, District Forester, concerning possible logging in the Headwater of Mission Creek. Mr. Johnston informed that Crown-Zellerbach Canada Limited plan on constructing an addendum road in order to develop timber in chart 19. A map was attached for reference. A portion of the area would be above the 5500 foot elevation, but the forest service did not anticipate any silvicultural problems. He indicated a Mission Creek Folio is near completion and the user groups and interested parties will have an opportunity to participate in an open meeting to discuss the folio sometime within the next few months. The Water Board concerns could be voiced at that time. Concerning the matter of all terrain vehicular traffic in the sub-alpine areas, so far little progress has been made, except that signs have been posted.

The Secretary-Manager indicated that any concerns of the Water Board perhaps could be expressed through a meeting for the Mission Creek Water Resource Folio.

Kenyon - Lamont

Res. No.
183/78

That the letter from the B.C. Forest Service be received.

CARRIED.

. . . /3

Skaha
Okanagan
Lake
Levels

3. A letter of April 17, 1978 from P.M. Brady, Director Water Investigations Branch. The letter was in response to an April 5 letter of the Okanagan Basin Water Board concerning a Spring lowering of Skaha Lake and the maintenance of Skaha and Okanagan Lakes at slightly lower levels during the summer months to expose more beach and prevent erosion. Mr. Brady reported that a significant lowering of Skaha Lake was achieved early in the spring, with the lake elevation reaching 1104.99 feet elevation on April 12. It was held at this elevation until the sewer works being constructed at Okanagan Falls were completed. The Water Resources Services was not able to make any changes in current operating plans for Okanagan Lake to provide more public beach during the summer. The present policy was to bring the lake as close as possible to the upper operating level of 1123.8 feet at the beginning of July, and then to release only that volume of water which is required to satisfy all users downstream to Osoyoos Lake. In the case of Skaha Lake, the level is set as close to the middle of its range (1108.6 feet) as possible. This is the level at which the fewest complaints were received. However, as an experiment, the Water Resources Service would raise Skaha Lake only to elevation 1108.3 feet this spring and if there are few complaints, it would be kept at this level until the end of August and perhaps a further reduction to 1108.1 could be tried the following summer.

The Secretary-Manager reported that a large portion of the foreshore area of Skaha Lake had been exposed with a lowering to 1105.00 feet elevation. Exposure of this extent, perhaps every second year, particularly in the winter months, could almost guarantee a weed free zone of the exposed area. This area is the most used for foreshore recreation. Additional work should be done in trying to achieve a further lowering, particularly during the winter months, to freeze out aquatic weed roots. A letter had been received from Mr. S. Mould, of the Environmental and Engineering Service, Water Investigations Branch, indicating that a preliminary survey of water intakes had been done on Skaha Lake during the period of the low level to determine practicality of having intakes lowered. A preliminary report on modifying the intakes is being prepared.

Kanester - Lamont

Res. No.
184/78

That the letter of April 17, 1978 from Mr. P.M. Brady be received.

CARRIED.

Dr. D.A.
Clarke re:
phosphorous
removal
Penticton

4. Letter of April 11, 1978 from Doctor D.A. Clarke, Medical Director, South Okanagan Health Unit. The letter indicated concern over recently reported information relating to the removal of phosphorous at the Penticton Waste Treatment Plant. Dr. Clarke indicated that although 80% phosphorous removal is being achieved, the large increases in population and sewerage effluent counter the amount of phosphorous removal, and in a short period of time, the increased volume, even treated, will contain the same amount of phosphorous as existed in 1967 when heavy algal blooms were reported. The letter also questioned whether the reduction in phosphorous to Skaha Lake can be determined, as claimed, to be a major factor in reducing algal blooms on the lake. Dr. Clarke felt that the bottom sediment aspects of phosphorous, the lake's sensitivity to nitrogen, and the effects of rooted macrophytes, in competition with algae for nutrients had been neglected.

Kenyon - Booth

Res. No.
185/78

That the letter of April 11, from Doctor D.A. Clarke, be received and the Secretary-Manager confer with the necessary technical personal to reply to the letter as to accuracy and as to the results to date of phosphorous reductions.

CARRIED.

Director Kenyon felt the information presented in the letter was contrary to information presented to the Implementation Board and to the City of Penticton relating to the up-grading and expansion of the Penticton sewerage treatment facilities.

Aquatic Plant Management Program:

Petition
Kelowna
foreshore
residents
aquatic
weed
control

A number of items relating to the Aquatic Plant Management Program were presented for the Board's information. The first was a petition from approximately 50 residents on the Kelowna Lakeshore, urging the Water Investigations Branch, the Okanagan Basin Water Board, and the City of Kelowna to take immediate and urgent action to control Eurasian Milfoil; if required, 2,4-D should be used. The petition had already been sent to the managers of the Aquatic Plant Management Program and the City of Kelowna.

Coldstream
request
weed
treatment

A letter of April 4, 1978 from the District of Coldstream was presented. The letter indicated that the council of the District of Coldstream had reaffirmed its stand of 1977 and were requesting the Minister of Environment to utilize mechanical harvesting and 2,4-D in Kalamalka Lake.

Peachland
re:
herbicide
use

A copy of a letter from the Corporation of the District of Peachland to the Aquatic Plant Management Program was read. The letter objected to the use of 2,4-D on the Peachland waterfront owing to the existence of domestic water intakes in the area.

Aquatic
plant
quarantine

The Secretary-Manager reported that some correspondence had been received from Dr. Newroth indicating that the plant quarantine division of Agriculture Canada would now be prohibiting the importation of a number of species of Aquatic Plants; Eurasian Water Milfoil was included. It was recalled the Board had urged for such action in the past.

Permits
2,4-D

The Secretary-Manager presented a summary report of the 28 permits that had been issued to the Aquatic Plant Management Program for the use of 2,4-D. This was the total number of permits that had been applied for this year. Although 28 permits have been awarded, the actual size of the treatment area in most permits had been reduced substantially. The summary report indicated the site to be treated by each permit, actual acreage, the original size applied for, and the effective date for appeal. The total area for all permits was 196.8 hectares or 492 acres. The size that had originally been applied for was 490.8 hectares or 1,227 acres.

The Appeal Board had met on May 30 and 31st in Penticton to hear the first appeals. Further meetings would be held June 6 and 7th. A decision from the Appeal Board could not be expected until after that time. Concern was expressed that herbicides could not be applied until after the Appeal decision had been made. The most effective time for applying herbicides was mid-May to the end of June. The optimum season was already almost half way through. Some of the permits expire as early as June 15. This would not leave much time to apply herbicides. It appeared that time constraints would very seriously jeopardize this year's aquatic weed program.

Director Kenyon indicated that it was gratifying to receive letters concerning the use of 2,4-D. The District of Peachland was objecting to 2,4-D on the Peachland foreshore, however, this was due mainly to the water intakes on the Peachland foreshore.

Ulanskey - Lamont

Res. No.
186/78

That the petitions, correspondence, and reports, relating to the Aquatic Weed Program be received.

CARRIED.

Liaison Committee Report:

Urban
Drainage

The Liaison Committee had recently met with representatives from Environment Canada, local municipal engineers, and planners concerning urban drainage. During this meeting it was indicated that it would be desirable to hold an information seminar on urban drainage sometime in the near future, for all communities throughout the Basin. There was some concern expressed as to enrichment and siltation of surface water from storm sewers.

Mr. Colclough indicated this seminar would serve to explore alternate methods of dealing with urban drainage rather than discharging it into the lake system. This would not necessarily mean extra costs. It was suggested that the seminar be planned, in cooperation with the Implementation Board, for approximately October 4th. The maximum cost would be approximately \$500.

The Liaison Committee recommended that the Okanagan Basin Water Board participate to a maximum amount of \$250 in a one day seminar on urban drainage.

Lamont - Day

Res. No.
187/78

That the Okanagan Basin Water Board participate with the Okanagan Implementation Board in a seminar on urban drainage up to an amount of \$250 each.

CARRIED.

The Liaison Committee also noted that several municipalities were currently undertaking programs for the installation of storm sewers. It was suggested that a statement be forwarded from the Water Board urging these communities to explore alternate methods of dealing with storm water, not necessarily at a higher cost, until such time as further information is available through the seminar.

The Liaison Committee recommended that the Okanagan Basin Water Board urge communities within the Basin to explore alternate methods of managing discharges from storm sewers. This need not be done necessarily at a higher cost than present methods. In the meantime, the Water Board would provide more information on the subject through a seminar later in the fall.

Kenyon - Blagborne

Res. No.
188/78

That the Okanagan Basin Water Board write to the communities within the Basin asking that they investigate alternate methods of dealing with urban drainage so as not to pollute surface water courses. In the meantime, the Okanagan Basin Water Board would arrange to provide additional information through a seminar.

CARRIED.

Septic
Tank
Regula-
tions:

The Liaison Committee had reviewed implementation status of septic tank regulations, and felt that owing to concerns expressed by government agencies relative to enabling legislation for the implementation of septic tank regulations, that a further small task force should be appointed. It was recalled that regulations had been dealt with extensively particularly by the technical planning committee of the Regional District of Central Okanagan. These had been referred to the Regional Districts on several occasions. The regulations should be processed or made into a form appropriate to be implemented through enabling legislation. There had been some concern that present drafts were too restrictive

The Liaison Committee recommended that the Okanagan Basin Water Board appoint a small task force consisting of representatives from the Department of Health, Municipal Affairs, Pollution Control Branch, Okanagan Basin Water Board, and the Implementation Office. This task force should be given existing information on septic tank regulations that could be implemented in accordance in terms of reference to be drafted.

Terms of reference for the task force had been drafted and circulated to the Board prior to the meeting. The terms indicated the overall objective of the task force would be to develop a set of regulations for septic tank installations that will meet the intent of recommendation 31 of the Okanagan Basin Implementation Agreement and its particulars as set out on schedule B of the Agreement.

Mr. Kanester indicated that the task force should be appointed to come up with a report at the earliest possible date. The Secretary-Manager indicated that October 1st had been suggested as a date on the terms of reference.

Kanester - Booth

Res. No.
189/78

That the recommendations of the Liaison Committee relating to a task force for implementation of septic tank regulations be approved.

CARRIED.

Kal-Wood
Lake
Study
Recommen-
dations:

The Liaison Committee had dealt with a letter of May, 1978 from Mr. G.E. Simmons, Chairman of the Implementation Board, concerning the inclusion of the Kalmalka-Wood Lake Study Recommendations in the Okanagan Basin Implementation Agreement. A copy of the letter had been circulated to the Water Board prior to the meeting. Mr. Simmons requested the comments of the Okanagan Basin Water Board, since several of the recommendations dealt with the local authority. These included recommendations 7, 11, 13, 15, 16, 26, 27, 28, 29, 30, 31, and 33. There was already a clause within the Implementation Agreement which provided for the inclusion of the Kalmalka-Wood Lake Study Recommendation when and if required. The Liaison Committee had agreed that since the mechanism for implementation already exists under the Implementation Agreement, that it would be desirable to include a Kalmalka-Wood Lake Study Recommendation within this broader framework.

The Liaison Committee therefore recommended that the Okanagan Basin Water Board be advised to include the Kalmalka-Wood Lake Study Recommendations in the Okanagan Basin Implementation Agreement.

Lamont - Kanester

Res. No.
190/78

That the recommendations of the Kalmalka-Wood Lake Study be included within the Okanagan Basin Implementation Agreement as recommended by the Liaison Committee.

CARRIED.

It was recalled at the last meeting of the Board that arrangements for a meeting involving the Water Board and the OMMA, was left to the Liaison Committee. The OMMA would be meeting on June 21st and have indicated that a time period, approximately one hour, would be allowed at this meeting for a presentation to be made from the Okanagan Basin Water Board concerning implementation agreement progress, and the cooperation required from municipalities in implementing those recommendations which are largely the responsibility of local government.

Day - Lamont

Res. No.
191/78

That the recommendation of the Liaison Committee to hold a joint meeting with the OMMA on June 21st be approved.

CARRIED.

It was indicated the meeting with OMMA would largely be a discussion period with approximately a 14 or 20 minute presentation at the beginning of the session to start discussion, mainly on waste treatment and water based recreation.

Waste
treatment
summary
report
OK Basin

The Secretary-Manager informed that a report entitled "A Summary of Proposed Waste Treatment and Collection Facilities, Okanagan Basin, Revised December 1977" had been available for the Board at the last meeting, however, it had not been presented. The report was now available, and had already been used at some meetings. Anyone wishing copies could obtain these from the Water Board Office.

Boat
launching
facilities

The Board was informed that a meeting would be held on June 6th with members of the Small Craft Harbours Branch of the Federal Ministry of Environment, the B.C. Parks Branch, and the Highways Department to discuss and coordinate procedures for the implementation of boat launching sites throughout the Basin.

Land Management Referrals:

The following referrals were made to the Water Board from the Land Management Branch:

City of
Kelowna
application
for lease

1. Application by the City of Kelowna for a lease for recreation purposes on Lot 4041 ODYD. This lot is located immediately behind the City Council Chambers. It consists of 3½ acres of an expired lease on the old CPR right-of-way. There is approximately 300 feet of lake frontage.

Day - Lamont

That the application for lease by the City of Kelowna on Lot 4041 ODYD be approved.

CARRIED.

City of
Penticton
application
for lease
renewal

2. Application for a lease renewal by the City of Penticton for a wharf site and boat launching site on Block A of Lot 3968s SDYD in Penticton. This had originally been an extension of the old ferry slip on CPR railway right-of-way. The size of lot is 61 feet X 500 feet.

Kenyon - Day

Res. No.
193/78

That the application by the City of Penticton for a lease renewal for a wharf site and boat launching site on Block A of Lot 3968s SDYD be approved.

CARRIED.

R.D.O.S.
application
for
right-of-
way

3. Application by the Regional District of Okanagan-Similkameen for a right-of-way for sewerage system on the foreshore of Skaha Lake. The amount of right-of-way required would be approximately 2 miles at the margin of the lake to install a sanitary sewerage system for the community of Okanagan Falls.

It was indicated that the installation of the sewerage system has now already been completed and an application for a lease would have to be ratified. The Secretary-Manager mentioned that it would be important for a contractor to place beach materials back in a similar order to prevent erosion and scarring of the foreshore. Chairman Colclough indicated that care had been taken to protect the shoreline.

Booth - Blagborne

Res. No.
194/78

That the application for a right-of-way for a sewerage system by the Regional District of Okanagan-Similkameen on the foreshore of Skaha Lake be approved.

CARRIED.

T.C. Solien
applica-
tion to
purchase
Crownland

4. Application by T.C. Solien to purchase an unsurveyed portion of Lot 872 of Lot 2450s SDYD Plan A 1273 near Oliver. This is an extension of Mr. Solien's present holdings to an abandoned portion of the Okanagan River oxbow.

The Secretary-Manager indicated that it was a policy of the Crown not to dispose of oxbows if they have water related recreational value. Only those oxbows that have been filled in, would be considered for alienation. The Regional District of Okanagan-Similkameen may also wish to make comment on this application with respect to zoning and protection of green areas along the River Channel. Chairman Colclough indicated there would likely be some comment from the Regional District of Okanagan-Similkameen and suggested that this application be tabled until a further meeting.

Kenyon - Blagborne

Res. No.
195/78

That the application by T.C. Solien for the purchase of an extension of holdings be tabled until the next meeting of the Board.

CARRIED.

Application for pollution control permits:

The following applications for pollution control permits were referred to the board:

R.D.N.O.
septic
tank
sludge

1. The Regional District of North Okanagan. The application was for an amendment of existing permit #pE4053 to discharge effluent from periodic pumping of sludge from septic tanks. It would be discharged near Vernon, approximately 4 miles southwest of the City in the commonadge area. The amount of effluent to be discharged would be a maximum of 70,000 gallons per month. The Regional District of North Okanagan had approved the applications.

Kanester - Ulansky

Res. No.
196/78

That the Okanagan Basin Water Board approve the application for a pollution control permit by the Regional District of North Okanagan.

CARRIED.

H.J. Wiebe
poultry
processing
station

2. Application by H.J. Wiebe, of Armstrong, to discharge effluent from a farm poultry processing station into sub-surface dry wells located at Wood Avenue, Armstrong. The average annual daily discharge would be 2,800 gallons. The waste water would flow through a fat skimmer then into two septic tanks with 48 hour holding capacity, then discharging into 4 dry wells.

The Regional District of North Okanagan had approved this application.

Kanester - Ulansky

Res. No.
197/78

That the Okanagan Basin Water Board approve the application for a pollution control permit by Henry J. Wiebe.

CARRIED.

K.I. French
E.L. Klinger
J.L. & A.L.
Smith
J. Davidson

3. The following applications were considered together. The following are all applications to use effluent discharged from the David S. Mackay Environmental Centre in Vernon on agricultural land adjacent to the commonage road:

- K.I. French for 2.3×10^3 cubic metres
- E.L. Klinger for 5.0×10^3 cubic metres
- J.L. and A.L. Smith for 1.2×10^3 cubic metres
- John Davidson for 2.0×10^3 cubic metres

There was some concern by the City of Vernon as to whether or not the City would continue to be responsible for the permits. This was presently being reviewed with the Pollution Control Branch. The Okanagan Basin Water Board's main concern was whether or not pollution would be caused. The Board had already considered the initial application by the City of Vernon.

The Regional District of North Okanagan had approved the above applications.

Kanester - Ulansky

Res. No.
198/78

That the Okanagan Basin Water Board approve the applications for pollution control permits by K.I. French, E.L. Klinger, J.L. and A.L. Smith, and J. Davidson.

CARRIED.

Kalmalka
Lake
Levels

Other Business:

Director Day had heard reports of high water levels on Kalmalka-Lake and a flood warning had been issued. He asked whether these levels were indeed a concern. The Secretary-Manager indicated that although the lake levels on Kalmalka-Wood Lake were approaching high levels they were not nearly as high as in 1972 or 1976. The high level may be due to excessive rainfall and perhaps insufficient release of water earlier in the year. Only an average snowpack remained as of the May 15th snow survey bulletin.

C. Day also noted there had been some complaints concerning rocks blocking the channel between Wood Lake and Kalmalka Lake. He enquired as to jurisdiction, and who could remove the rocks. The Secretary-Manager would look into this.

Aquatic
Weed
Program
Appeal
Process

Director Lamont expressed concern over delays in application of herbicide under the Aquatic Weed Program. The appeal process was now continuing into the prime season for applying the herbicide and some of the permits would be expiring on June 15th. He felt this was a mockery of the appeal process. He queried if there was anything the Board could do to help speed a decision so that a reasonable time period could be allowed to apply the herbicide during the optimum period of effectiveness. Last minute decisions had also hampered last years program. He felt this years program was in serious jeopardy.

Lamont - Kenyon

Res. No.
199/78

That a phone call be placed to the Minister of Environment along with a follow-up letter expressing the Okanagan Basin Water Board's concern over delays in the herbicide treatment program.

CARRIED.

City of
Kelowna
emporary
phosphorous
removal

Director Kenyon asked whether the City of Kelowna was contemplating some immediate and temporary measures for the removal of phosphorous. Director Day responded by informing that the Minister of Environment had appointed a Liaison person to help find a solution to the Kelowna sewerage problem. The City of Kelowna was actively supporting the Bardon-Pho process. It appeared to be the answer for Kelowna. This was a biological process for the removal of phosphorous and nitrogen. The City of Kelowna, along with a consulting firm, are working out further details.

Director Kenyon felt that the City should at least have a temporary system of phosphorous removal implemented almost immediately until the Bardon-Pho process is constructed in its place.

The meeting adjourned at 3:30 p.m.

CERTIFIED TO BE TRUE & CORRECT.

Chairman

Secretary-Manager

MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD
SEPTEMBER 7th, 1978, 2:00 p.m., OFFICES OF THE REGIONAL DISTRICT
OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

Present	R.W. Postill	Chairman	R.D.N.O.
	H. Powell		R.D.N.O.
	C.B. Day		R.D.C.O.
	D. Booth	Alternate	R.D.C.O.
	K.A. Kenyon		R.D.O.S.
	J. Tait	Alternate	R.D.O.S.
	G. Stayberg	Alternate	R.D.O.S.
	W. Parchomchuk	Secretary-Manager	
	J. Kranabetter	Secretary	

Also Present:

Sid Buckler, Observer, Peachland
G. Punnet, Information Officer, Implementation Program
Mayor J. Hindle, City of Kelowna
T. Carter, Association of B.C. Irrigation Districts
Albert Saddleman, Councillor, Okanagan Indian Band
W. Boyd, Observer, Okanagan Labour Council
C. Dirk, Treasurer, City of Vernon
Mr. James Dockrey, Fintry resident

Minutes Kenyon - Day

Res. No. 200/78 That the minutes from the meeting of June 1st, 1978 be adopted as circulated.

CARRIED

Administrative
Accounts

Administrative accounts for the period May 31st - September 7th totalling \$1,287.73 were presented.

Day - Powell

Res. No. 201/78 That administrative accounts totalling \$1,287.73 be approved.

CARRIED

Aquatic
Weed
Program
Accounts

Accounts incurred under the Aquatic Plant Management Program for the months of May, June, and July totalling \$521,894.04 were presented. A summary indicated accounts, processed through the Water Board, totalling \$1,510,675.50 under the Aquatic Weed Program from the period May 1977 to July 31, 1978. In addition to this it was estimated that in excess of \$1,000,000 expenditure had been made directly through the province.

Tait - Powell

Res. No. 202/78 That accounts under the Aquatic Plant Management Program for the months of May, June, and July, totalling \$521,894.04 be accepted.

CARRIED

Sewerage
Facilities
Assistance
Grants

The Secretary-Manager reported that owing to changes in the provincial tax assessment base the Province has amended its funding formula under the Sewerage Facilities Assistance Act to reflect the changes in this tax base. The Province would now start sharing municipal sewerage facilities net annual debt in excess of 2.5 mills rather than 3 mills as had been the case previously. The Okanagan Basin Water Board Formula is tied into the Provincial Cost Sharing Formula and therefore should be amended to comply with the Provincial Formula.

A letter of May 10, 1977 from C.H.L. Woodward, Deputy Inspector of municipalities, indicated the present terms of the Okanagan Basin Water Board Sewerage Facilities Assistance Formula. Item one of the formula would have to be amended to provide for the Okanagan Basin Water Board to commence sharing of municipal sewerage facilities debt in excess of 2.5 mills rather than 3 mills.

Res. No.
203/78

Stayberg - Day

That Item one of the Okanagan Basin Water Board Sewerage Facilities Assistance Formula be amended to read 2.5 mills in place of 3 mills.

CARRIED

City of
Vernon
application
for sewerage
facilities
assistance
grant

A letter of August 1st, 1978 from the City of Vernon requesting a grant under the Sewerage Facilities Assistance Formula for \$85,549.10, was presented.

Stayberg - Day

That a grant for the first half of 1978 under the Sewerage Facilities Assistance Formula be made to the City of Vernon for a total amount of \$85,549.10.

Res. No.
204/78

CARRIED

Director Kenyon indicated that a grant should only be paid after all conditions had been fulfilled and verification was received from the Department of Municipal Affairs. Secretary-Manager indicated to him that this had been done. The Secretary-Manager indicated that Sewerage Facilities Assistance Fund was growing at a faster rate than expected owing to the slowness in draws on the fund as a result of construction which has still not been initiated. He indicated that the sharing of sewerage facilities debt in excess of 2.5 mills rather than 3 mills should be an incentive to municipalities. It was indicated there were presently some changes being considered under the funding formula by the Central Mortgage and Housing Corporation. It was intended that a direct grant be given by the Federal Government to the Provinces for distribution to municipalities for the facilities that would be required, whether they be sewerage facilities or other community facilities. The amount of grant from the Federal Government should be equivalent to the past amount of grants for sewerage facilities.

A summary sheet was presented showing the investment certificates that had been purchased with the Sewerage Facilities Reserve Fund. On September 7th, 1978 there was \$1,111,321.00 in the fund.

The projection to the end of December 31, 1978 indicated total disbursements to be required would be \$98,433.00 in addition to \$85,549.00 already paid to the City of Vernon. Alderman Stayberg indicated that Okanagan Falls would also be applying for grants this year.

Director Day indicated that although the C.M.H.C. had suggested a change in procedure for funding of sewerage facilities, it was not likely that the Province would accept this procedure.

CORRESPONDENCE - The following items of correspondence were presented:

Okanagan
Indian
Band re:
represent-
ation

1. Letter of July 4, 1978 from Lyle Brewer, Band Manager, Okanagan Indian Band. The Band was asking if they could be represented at the regular Board meetings in order to take an active part in decisions made concerning their water supply.

Director Powell introduced Mr. Albert Saddleman, an elected representative of the Band and requested the Board to consider Mr. Saddleman as a representative to the Board. The Secretary-Manager indicated that under letters patent it was not possible for Mr. Saddleman to be a voting member, but the Board had in the past welcomed representatives from Indian Bands and other groups as official observers. Agendas and minutes are mailed to observers.

Director Kenyon asked if this Band represented a municipal area. H. Powell responded, saying that the Band owned the majority of land in the North of Okanagan Lake and the water shed flowing into this area. The Band encompasses 20 miles of shoreline, and therefore were interested in issues relating to water. G. Stayberg indicated that although he had no objection, he felt that the Band had voting members on the Regional Board, and therefore were represented already. Mayor J. Hindle expressed his appreciation for correspondence directed to him, as an observer. He felt the observer status was beneficial.

Powell - Day

Res. No.
205/78

That a letter be forwarded to the Okanagan Indian Band inviting them to send an observer to Water Board meetings.

CARRIED

Okanagan
Indian
Band,
Pollution
of Deep
Creek:

2. Letter of July 5, 1978 from the Okanagan Indian Band relating to pollution of Deep Creek. The Indian Band was concerned about the high degree of pollution from the Armstrong sewerage effluent and the Armstrong cheese plant which contribute effluent to Deep Creek. The Band is seeking the assistance of the Water Board in having the situation remedied.

The Secretary-Manager mentioned that the Pollution Control Branch had now appointed a special coordinator to work with the City of Armstrong to find alternatives for waste management in the area.

Director Powell suggested that the Water Board send a letter to the Pollution Control Branch asking the City of Armstrong to upgrade facilities to a more acceptable level. The Chairman indicated that if a letter were to be forwarded to Armstrong it should apply to all communities within the Basin who have still to upgrade facilities.

Director Powell suggested that the City of Armstrong had already exceeded some deadlines set by the Pollution Control Branch. The Secretary-Manager will check into this and acquire up to date information on the present status of waste treatment procedures for Armstrong.

3.
Association
of B.C.
Irrigation
Districts -
Mission
Creek
watershed:

- Letter of June 22, 1978 from the Association of B.C. Irrigation Districts. The Executive of the Association of B.C. Irrigation Districts felt that the subject of Mission Creek Watershed currently being discussed with the water users on Mission Creek and the Implementation Program should involve the Association of B.C. Irrigation Districts since they have a vital interest in water management on Mission Creek. A letter of July 27, 1978 from Murray Thomson, in reply to the Association letter, was shown to the Board. Mr. Thomson indicated that to date participation in the meetings concerning Mission Creek water use have been limited to those who have direct management responsibility with respect to the use of Mission Creek water. All irrigation districts taking water from Mission Creek have been involved.

Mr. Carter indicated that Mr. Thomson's reply of July 7 would likely be satisfactory to the Association.

City of
Vernon:
urban
drainage:

4. Letter of July 10, 1978 from the City of Vernon concerning urban drainage. This letter was in reply to the Okanagan Basin Water Board letter of June 16 to all communities within the basin asking them to consider alternate methods of disposing urban drainage to prevent pollution of surface streams and water courses.

In reply, the City of Vernon indicated that it did not wish to become involved in discussion regarding treatment of storm sewerage water.

The Secretary-Manager indicated that perhaps there had been some misinterpretation of the Okanagan Basin Water Board communication. The City perhaps felt the Board was asking that storm sewerage water be treated in the conventional manner. This was not the intent. A reply would be sent to the City indicating the intent.

Winfield
motel owners
algae -
Wood Lake:

5. A copy of the letter of July 5 from several motel and resort owners on Wood Lake, to Mrs. Pat Jordon, M.L.A., was presented. The letter indicated concern over another algae bloom which had occurred on Wood Lake. The resort owners wish to stress urgency in implementation of the recommendations of the Kal-Wood Lake Basin Study and asked that immediate steps be taken to halt the deterioration of the water system.

The Secretary-Manager reported that he had observed a fairly massive bloom of filamentous algae on Wood Lake in late June. This type of bloom in this magnitude had not been observed before. This was communicated to the Pollution Control Branch for documentation and to the Environment Minister. A letter of reply dated July 5, 1978 from the Environment Minister was presented to the Board.

It appeared that implementation of those recommendations relating to the Kal-Wood Lake Study would help to alleviate some of the problems of pollution on Wood Lake. It was indicated that the Kalamalka-Wood Lake Study Recommendations are presently being amalgamated with the Okanagan Basin Study Recommendations, and this would provide the machinery for implementation.

Director Day indicated that it had been hoped that much of the area of Winfield surrounding Wood Lake that is currently on septic tank could be hooked into a new Kelowna system, however, until it is known precisely what treatment methods will be used in the City of Kelowna this could not be determined. The Secretary-Manager would inform the Wood Lake resort owners that steps were being taken through the implementation process for improving the quality of Wood Lake.

J. Nielson
appeal
hearing
procedure:
Aquatic
Weed
Control

6. Letter of June 25, 1978 from the Honourable James A. Nielson in reply to the Okanagan Basin Water Board letter of June 2, 1978 relating to delays in the Aquatic Weed Control Program. The Minister indicated that the appeal procedure that was carried out was necessary to allow citizens their democratic right to question government and to ensure that all facets of the program were satisfactory and acceptable to the community. Although the Water Board felt the appeal hearings were an unnecessary delay, the Minister felt that it was beneficial to have an independent group of experts judge the program.

Director Day expressed concern over large expenditures - (\$ 2.5 million) that had been incurred under the Aquatic Weed Program with very little returned for that expenditure. He indicated the Water Board could not approve or disapprove the expenditures but were merely paying invoices for reimbursement. He felt that scientists should not be directly in charge of the day to day operations but rather that more efficiency could be gained by contracting operations out. He felt it was the Water Board's responsibility to get as much done as possible for the dollars the province was investing in aquatic weed control in the Basin.

Director Kenyon also felt there was need for improvement but he felt the best control methods were being hampered and not being fully used.

Mr. Dockrey, a resident from the Fintry area, was present and complained about a pile of weeds that had been left, half in the water, for a long period of time. Much of the pile had drifted back into the lake.

Kenyon - Day

Res. No.
206/78

That representatives of the B.C. Aquatic Plant Management Program be invited to the next meeting of the Board to review a Aquatic Weed Control Program for the following year, and to discuss applications for herbicide permits.

CARRIED.

Tait - Kenyon

Res. No.
207/78

That the correspondence from the Minister of the Environment be received and filed.

CARRIED

Public
Hearings
I.J.C.
on water
levels on
Osoyoos Lake
& Okanagan
River:

A notice had been received from the International Joint Commission informing of public meetings to be held on September 13th and 14th in Osoyoos and Oliver respectively, to receive public comment concerning the possible improvements of water levels on Osoyoos Lake and the Okanagan River above Zosel Dam. Director Tait and the Secretary-Manager are to attend the meeting in Osoyoos.

Liaison Committee:

Frank
Colclough's
resignation
from
Liaison
Committee:

A letter of August 31, 1978 was received from Frank Colclough, Chairman of the Liaison Committee. Mr. Colclough informed that due to ill health he found it necessary to resign the chairmanship of the Liaison Committee. Mr. Tait reported that Mr. Colclough had given up his position as Chairman of the Regional District of Okanagan-Similkameen. The Board expressed regret for Mr. Colclough's illness, as he had made significant contribution to the Board and Liaison Committee.

Tait - Kenyon

Res. No.
208/78

That the Okanagan Basin Water Board accept the resignation of Mr. F. Colclough from the Liaison Committee due to ill health, and that a letter be forwarded to Mr. Colclough expressing regret of his illness, and thanking him for his contribution to the Water Board and the Liaison Committee.

CARRIED

Verbal
report on
meeting of
June 6th -
boat
launching
facilities:

The Secretary-Manager reported that he, along with the implementation office, had met with several government agencies including the Parks Branch, Recreation & Fitness Branch, Small Craft Harbours Branch, Highways Managers, and Regional Planners, concerning boat launching facilities for the Okanagan. Existing facilities were reviewed and projected. Policies of various agencies were discussed. The Federal Government had recently enacted Bill C-2 concerning fishing and recreation harbours. Regulations for this Bill still have to be published, however these were likely to be similar to existing regulations under the present Tourist Wharf Program, where the Federal Government would participate in cost of constructing boat launching facilities; however, local government would have to maintain these and provide the site. The Recreation & Fitness Branch provided funding under the Recreation Facilities Assistance Program and Regional Parks Act. The Highways Department would be prepared to cooperate where highways right-of-ways are involved. It was also reported that an inventory of the use and capacity of existing boat launching facilities was being prepared. Students had been hired under the Aquatic Weed Program to monitor boats leaving launch sites with aquatic weeds, and had also taken a count of the number of users and particular problems at each site.

It was reported, concerning boating regulations, that letters had been forwarded to all municipalities and regional districts in the Basin asking them to indicate boating regulations they wished implemented in their respective areas. So far there have not been many replies. Boating and swimming congestion and water skiing in some areas presented extreme hazards. There was some urgency in implementing boating regulations in those areas for safety.

It was reported that the respective ministries have now made appointments to the task force for implementation of septic tank recommendations as follows: Ministry of Health, Dr. M. Smart, Director of the North Okanagan Health Unit; Mr. N. Banera, Pollution Control Branch, Vernon; Mr. W. Tassie, Ministry of Municipal Affairs and Housing. A meeting of the task force will be called shortly.

With respect to boat launching facilities, Mayor Hindle indicated that since Regional Parks are not congested they may be a good place for boat launching ramps provided that water skiing does not occur in the vicinity of the ramp and the swimming areas.

Lands Branch Applications for Leases of Crown Land:

T.C. Solien
application
to purchase
Crown land:

The following applications for leases of Crown land were presented to the Board:

1. Application by T.C. Solien to purchase an unsurveyed portion of Lot 872 of Lot 2450 SDYD Plan A 1273. This was an abandoned river oxbow in the vicinity of Oliver.

A letter of June 30, 1978 had been received from the Regional District of Okanagan-Similkameen objecting to this application, as the applicant's adjacent property was used as an auto wrecking lot which is a non-conforming use. It was also felt that these former oxbows may be required as future greenbelt.

Tait - Stayberg

Res. No.
209/78

That the application by T.C. Solien for extension of holdings into unsurveyed crown land be not approved.

CARRIED.

Application-
City of
Penticton
for renewal
of lease:

2. Application by the City of Penticton for a renewal of existing recreational lease Lot 3865s SDYD. This lot consisted of an old railway right of way on the north end of Skaha Lake. Measurements of the lot were 100 X 400 feet (approximately) into the lake.

Stayberg - Kenyon

Res. No.
210/78

That the Okanagan Basin Water Board not object to the application by the City of Penticton.

CARRIED

Application
by Heinz and
Ellen Heyduck
renewal of
lease:

3. Application by Heinz and Ellen Heyduck for renewal of an existing lease for floats, wharf and distribution of petroleum products Lot 4043s SDYD located on Osoyoos Lake.

There were no objections by the Regional District of Okanagan-Similkameen.

Tait - Day

Res No.
211/78

That the Okanagan Basin Water Board not object to the application by Heinz and Ellen Heyduck.

CARRIED

OTHER BUSINESS:

clearance of
channel
between
Kal-Wood
Lake:

It was reported that during the last meeting of the Board a request had been made for the clearing of rock and debris in the channel between Wood and Kalamalka Lake. The Secretary-Manager reported that the Provincial Government had now cleared the channel.

The meeting adjourned to Committee at 3:30 p.m.

CERTIFIED TO BE TRUE & CORRECT

Chairman

Secretary-Manager

MINUTES OF THE MEETING OF THE COMMITTEE OF THE WHOLE OF THE OKANAGAN BASIN WATER BOARD, SEPTEMBER 7th, 1978, 3:45 p.m., OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

Present:

G. Stayberg	Alternate	R.D.O.S.
J. Tait	Alternate	R.D.O.S.
K.A. Kenyon		R.D.O.S.
C.B. Day		R.D.C.O.
D. Booth	Alternate	R.D.C.O.
E. Lamont		R.D.C.O.
R.W. Postill	Chairman	R.D.N.O.
H. Powell		R.D.N.O.
W. Parchomchuk	Secretary-Manager	

Aquatic Weed Program:

The Chairman indicated he had arranged for a brief meeting on August 14 with Mayor Niel, City of Vernon, the Secretary-Manager, and Dr. Peter Newroth, Manager of the Aquatic Plant Management Program. It was indicated that if the Province would streamline the Aquatic Weed Program; reducing overhead and increasing efficiency of direct operations, the Water Board may have cause to cooperate more directly, helping the Province to overcome some of the resistance to the herbicide program and assisting to facilitate the provision of alternate water supplies when various areas are treated with herbicide.

The Secretary-Manager indicated that the Aquatic Plant Management Program is now undergoing re-organization in attempts to improve effectiveness and efficiency and to obtain better budget control. During the summer it was found that expenditures were not in line with the budget owing to lack of control. Hopefully, there would now be more emphasis on direct weed control rather than research.

Chairman Postill suggested that the applications for the use of herbicide should be submitted almost immediately to acquire a reissue of the same permits for the following term. This should be done in plenty of time to avoid circumstances that had occurred this year. He suggested there was a need for the Water Board to indicate whether or not it supported the program. Director Kenyon suggested that the Water Board meet with the Program Managers and with Mr. B.E. Marr during the next meeting.

Mr. Lamont indicated that during a meeting he had with Mr. Marr, Mr. Marr had felt that the Board was not giving enough support to the Aquatic Weed Program.

Mr. Postill agreed and indicated that the Water Board would have to take a firm position and offer more support in overcoming adverse publicity of the Aquatic Weed Program.

It was agreed that during the next meeting representatives of the Aquatic Plant Program would be in attendance to review the following years program.

The meeting adjourned at 4:15

CERTIFIED TO BE TRUE & CORRECT

Chairman

Secretary-Manager

MINUTES FROM THE MEETING OF THE OKANAGAN BASIN WATER BOARD,
NOVEMBER 1st, 1978, 2:00 p.m., OFFICES OF THE REGIONAL DISTRICT
OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

Present: J. Stuart R.D.C.O.
C. Day R.D.C.O.
D. Booth Alternate R.D.C.O.

F. Colclough R.D.O.S.
A. Kenyon R.D.O.S.
J. Tait Alternate R.D.O.S.
K. Blagborne R.D.O.S.

R. Postill Chairman R.D.N.O.
R. Neil R.D.N.O.

J. Hindle Mayor City of Kelowna

Staff

W. Parchomchuk Secretary-Manager
J. Kranabetter Secretary

Also Present

T. Carter, Association of B.C. Irrigation Districts
G. Punnet, Information Officer, Implementation Program
B. Nilsson, Okanagan Labour Council
J. Paynter, Director, Regional District of Central Okanagan
Press and Radio

Minutes: Neil - Day

Res. No. That the minutes from the meeting of September 7, 1978 be adopted
212/78 as circulated.

CARRIED

Administrative Accounts: Administrative accounts for the period September 1 - October 31/78 totalling \$862.67 were presented.

Neil - Booth

Res. No. That administrative accounts totalling \$862.67 be approved.
213/78

CARRIED

Aquatic Weed Program Accounts: Detailed accounts for the Aquatic Weed Program for the months of August and September were presented. August accounts totalled \$170,685.76, September accounts totalled \$111,470.88, for a two month total of \$282,156.64. The total amount of claims paid through the Okanagan Basin Water Board office, since the program began, came to \$1,792,832.14 as of September 30, 1978. In addition to this, approximately \$1 million had been expended directly through provincial offices.

Director Tait expressed concern over the continuing large monthly payments. He felt expenditures on the Aquatic Weed Program were out of control and there should be some method for curtailment. He felt that a large number of provincial employees have freedom to purchase items without prior approval.

Director Day agreed with this observation and suggested that the lack of control on expenditures could be brought to the attention of the deputy minister. The deputy minister, Ministry of Environment, and management staff of the Aquatic Weed Program, would be present later in the day.

Tait - Day

Res. No.
214/78

That Aquatic Weed Program accounts totalling \$282,156.64 be approved.

CARRIED

Applications
for Sewerage
Facilities
Assistance
Grants:

Applications for Sewerage Facilities Assistance grants under the Okanagan Basin Water Board cost sharing formula for the period ending June 30, 1978 were made by the following communities:

City of Penticton	\$11,803.94
Village of Osoyoos	4,490.50
District of Coldstream	7,469.67
TOTAL:	<u>\$23,764.11</u>

Verifying correspondence had been received.

Neil - Kenyon

Res. No.
215/78

That grants totalling \$23,764.11 under the Sewerage Facilities Assistance Formula be approved for the City of Penticton, Village of Osoyoos, and the District of Coldstream.

CARRIED

1979
Provisional
Budget:

The Secretary-Manager presented a provisional budget for the year 1979. The budget was in two parts; one being the administrative portion, the other being a budget for the sewerage facilities assistance reserve fund. The administrative portion of the provisional budget totalled \$55,149. This compared with the 1978 budget of \$57,850. The budget reduction from 1978 was possible, owing to sharing of secretarial services with the Industrial Development Office and the rearrangement of accounting services.

Director Tait felt there should be a clearer definition of the functions which the Okanagan Basin Water Board is involved with. He felt there may be some overlap between the Water Board, regional districts, and health units. He cited septic tank fields and regulations as one area of possible overlap. He indicated the Water Board did not have the authority to implement issues and it did not seem to be accomplishing very much.

The Secretary-Manager mentioned that although the health unit and the regional districts are involved with septic tanks, the function of the Board in this regard was to ensure that uniform regulations would be accepted in the entire Okanagan Basin, throughout all three regional districts. Once new regulations are drafted the matter of implementation and legislation would also be determined. The task force on septic tank regulations which had been appointed by the Okanagan Basin Water Board has now met several times. New regulation had been drafted by technical personnel previously, however, these did not seem to meet acceptance by the Regional Districts of North Okanagan and Central Okanagan and the Ministry of Municipal Affairs and Housing. Consequently a new task force was established with representation from the Ministry of Health, the Pollution Control Branch, and the Ministry of Municipal Affairs and Housing. R. Postill indicated that the Regional District of North Okanagan felt the original septic tank regulations were too restrictive.

J. Stuart speaking further on the functions of the Water Board, indicated that the Board had been instrumental in having the Province fund and implement the Aquatic Weed Program. The large amount of expenditure and effort required by the Province on this one program alone could justify the Board budget. The Water Board is a vehicle that can go collectively to the province on issues relative to water management. He stressed the need for cohesiveness in seeking funding for sewerage facilities.

Director Colclough indicated that he had no question as to the value of the Water Board. By acting as one organization, the communities of the Basin have been able to communicate more effectively with the Federal and Provincial Governments. Many people are not aware of the function and purpose of the Board other than what is received through the media.

The Secretary-Manager indicated that approximately 1/2 of the Okanagan Basin Water Board administrative budget is allocated to the administrative responsibilities required under the Aquatic Plant Management Agreement with the Province. The remaining portion is used in the general administration of the Water Board which included consultation and coordination of implementation under the Okanagan Basin Study, correspondence and communication of the Board, administration of the reserve fund, and providing information to public enquiries.

J. Hindle, P. Brady, and B. Marr entered.

Tait - Colclough

Res. No.
216/78

That the 1979 provisional budget be approved in principal and forwarded to the three regional districts for approval; and that a letter also be written to the regional districts explaining the budget

CARRIED

The provisional budget for 1979 under the Sewerage Facilities Assistance Reserve Fund had been prepared again this year, as last year, using the 1/2 mill levy. Since draws on the fund were relatively small to date, a 1/2 mill levy was considered adequate. There is presently approximately \$1 million in reserve. If communities were to commence new construction, even now, it would be approximately a year before debt would be incurred, and draws made on the fund.

Director Stuart indicated it would be at least 2 years before the City of Kelowna would be drawing on the fund.

Colclough - Tait

Res. No.
217/78

That the levy for the Sewerage Facilities Reserve Fund for the year 1979 remain at 1/2 mill.

CARRIED

CORRESPONDENCE - The following items of correspondence were presented:

1. Letter of September 25, 1978 from B.E. Marr, Deputy Minister of Environment, advising of the appointment of G. Armour of the Aquatic Plant Management Program to the Joint Steering Committee as described in Article 3 of the agreement between the Okanagan Basin Water Board and the Province for the aquatic weed removal. Mr. Armour would be acting as assistant project manager in charge of the Okanagan Basin components of the Plant Management Program.

Tait - Stuart

Res. No.
218/78

That the correspondence from B.E. Marr be received.

CARRIED

2. Letter of October 12, 1978 from Mr. Bert Nilsson, Secretary, Okanagan Labour Council. The letter outlined the position the Labour Council was taking with respect to the Aquatic Weed Program. The Labour Council felt that a Valley wide campaign should be mounted, demanding the Province take meaningful steps to develop mechanical equipment to remove the weeds, both root and stem, from the lake bottom. A prominent engineering firm should be engaged. The Labour Council felt that the Province was not making sufficient progress on the Aquatic Weed Program.

Mr. Nilsson was in attendance and indicated that the Okanagan Labour Council through its organization represented approximately 50,000 people in the Okanagan Basin. The Labour Council had left the door open for the treatment of rocky areas with 2,4-D. These areas could not be reached by machines, however, machines should be used wherever possible. He indicated the Board played a useful function in the Valley in spite of a weak mandate. He concluded the Labour Council was stressing emphasis on lack of progress in the Aquatic Weed Program and asked that mechanical means be used.

Colclough - Stuart

Res. No.
219/78

That the letter from the Okanagan Labour Council be received

CARRIED

3. Letter of October 12, 1978 from the Village of Oliver. The letter was in reply to a letter of October 3 from the Okanagan Basin Water Board requesting an update on plans for implementation of spray irrigation or tertiary treatment facilities in the Village of Oliver. The Village has been endeavoring to find a suitable site for land disposal of effluent. Fairview Golfcourse had been suggested, however; the site was found to be unsuitable. An agreement had been reached with the Osoyoos Indian Band to have tests done on their land to find a suitable site. Mr. Brownlee of the Ministry of Agriculture would do soil tests this fall. If the reserve land is considered unsuitable, Council will then have to consider in-plant tertiary treatment.

The Secretary-Manager reported that communication had also occurred between the Water Board office, the City of Armstrong, and the Pollution Control Branch with regard to progress on implementation of additional waste treatment facilities for Armstrong. A Meeting is being arranged between the Pollution Control Branch, the City of Armstrong, the cities' consultants, and the Water Board office. The City of Kelowna is concluding final plans for third stage effluent treatment, and the Okanagan Basin Water Board has been invited to attend further technical meetings with regard to the Kelowna program.

Director Stuart expressed concern for the seeming lack of coordination between the Provincial Ministry of Health, and the Pollution Control Branch with respect to agreeable criteria for the operation of spray irrigation and other sewerage systems. If treated effluent could be placed on golfcourses this would change the economics of the Kelowna project. However, it has been difficult to find precisely what the required criteria is. Acceptable standards for buffer zones should be agreed by health officials and the Pollution Control Branch.

Director Day indicated the Pollution Control Branch has historically been in the position of presenting a critical review of applications, however guidelines should also be established.

Director Kenyon indicated that there are some guidelines in place but these were not always followed. There has to be a concurrence. Perhaps the Water Board could be instrumental in bringing the agencies together to form acceptable guidelines. Director Neil indicated that although the City of Vernon has implemented their spray irrigation program, they have similar problems and would like to participate in any formulation of guidelines.

Director Stuart suggested that a recommendation be made to the new Board that they review this problem.

Mayor Hindle indicated he was encouraged by a recent letter from the Honorable J. Nielson, Minister of Environment, indicating that each community has its own set of specific problems and each has to be dealt with on its own merits.

Stuart - Day

Res. No.
220/78

That the letter from the Village of Oliver be received.

CARRIED

OTHER BUSINESS:

Waste
treatment &
disposal
standards:

1. Stuart - Day

Res. No.
221/78

That a recommendation be made to the incoming Board that they coordinate a presentation to the Ministries of Health, Agriculture, and the Environment asking that they work towards common standards limitations, and buffer zones associated with various types of waste treatment, particularly spray irrigation; and that the Water Board cooperate in arranging meetings of all the agencies concerned.

CARRIED

Lowering of
Skaha Lake:

2. Mayor Kenyon indicated that a program for lowering of Skaha Lake for maintenance in aquatic weed control should be started. This, along with a review of the Aquatic Weed Program, would be discussed further with Mr. B.E. Marr, during the Committee meeting.

Neil - Day

Res. No.
22 2/78

That the meeting adjourn to Committee

CARRIED

The meeting adjourned at 3:10 p.m.

CERTIFIED TO BE TRUE & CORRECT

Chairman

Secretary-Manager

MINUTES OF THE MEETING OF THE COMMITTEE-OF-THE-WHOLE OF THE OKANAGAN BASIN WATER BOARD, NOVEMBER 1st, 1978, 3:15 p.m., OFFICES OF THE REGIONAL DISTRICT OF CENTRAL OKANAGAN, 540 GROVES AVENUE, KELOWNA, B.C.

Present:

J. Stuart		R.D.C.O.
C. Day		R.D.C.O.
D. Booth	Alternate	R.D.C.O.
E. Lamont		R.D.C.O.
A. Kenyon		R.D.O.S.
K. Blagborne		R.D.O.S.
J. Tait	Alternate	R.D.O.S.
F. Colclough		R.D.O.S.
R. Neil		R.D.N.O.
R. Postill	Chairman	R.D.N.O.
W. Parchomchuk	Secretary-Manager	
J. Hindle	Mayor	City of Kelowna

Aquatic Plant Management Program

B. Marr, Deputy Minister, Ministry of Environment
 P. Brady, Director, Water Investigations Branch
 R. Buchanan, Chief, Environmental Studies Divison, Ministry of Environment
 P. Newroth, Project Manager, Aquatic Plant Management Program
 G. Armour, Assistant Project Manager, Aquatic Plant Management Program

The Chairman explained the purpose of the meeting was to review, with Mr. Marr and his staff, proposals for the 1979 Aquatic Weed Program. A letter of September 20, 1978 from Mr. Marr concerning Osoyoos Lake levels and proposed flow to the State of Washington under minimum lake level conditions would also be discussed.

Aquatic
 Plant
 Management
 Program:

Mr. Marr indicated there should be a strong tie between the Water Board and the Ministry of Environment concerning the Aquatic Weed Program. The role of the Water Board and the Province in the program should be defined. If the Water Board wished to run the entire program this would be acceptable to the Province, however under the Agreement with the Water Board, the Province is running the program and using the office of the Board for purchases. He welcomed the Water Board to enter into the management of the program to whatever extent they wished.

Priorities of the Province were to control the weeds, and eradicate where possible. Cosmetic treatments would be applied as well. He indicated one possibility for involvement by the Water Board would be to decide where areas should be treated by harvesting and other cosmetic methods. He added the Water Board could play an even broader role, being the lead agency in applying for herbicide permits. The government would give technical advice and share costs, but the Water Board would apply for the permits. He suggested the most likely possibility for the Water Board involvement would be to assume harvesting aspects of the program. Funding could still be arranged through the province.

Mr. Marr briefly reviewed the proposals for the 1979 program as follows:

Lower half of Osoyoos Lake: Mechanical control or cosmetic control (harvesting) would be used. This would also depend on the State of Washington and their programs. Lake drawdown could also be a possible control method on Osoyoos Lake.

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North half of Osoyoos Lake: Mechanical equipment would be used. Any use of chemicals on Osoyoos Lake would be very restrictive as vineyards were irrigated from the system in the lower part of the Basin.

Vaseux Lake: Cosmetic control (harvesting) would be used. Some chemical control may be possible, however vineyard irrigation would have to be a consideration on this lake.

Skaha Lake: Drawdown of Skaha Lake during the winter months was a possible method of control. Cosmetic control would be used.

Okanagan Lake: Cosmetic control would be mainly used on Okanagan Lake. Some chemical control would be used at the Penticton end. A large scale experimental chemical treatment program should still be considered for the Kelowna foreshore.

Kalamalka Lake: Some chemical control and use of diver dredges to eradicate small patches, would be employed. He indicated that eradication should still be attempted on Kalamalka Lake, Wood Lake, and Skaha Lakes.

Wood Lake: Chemical control in spots and diver dredges would be used.

The use of barriers in the downstream channels would be continued.

By the end of December, 1978 all applications for herbicide control permits would be in. The entire Aquatic Weed Program should be in place by April, 1979. One of the reasons for assuming mainly a mechanical and cosmetic program rather than a chemical program was the large delay and overhead experienced with chemical applications. A large amount of monitoring and research was required to support chemical programs. He felt that chemicals were still a necessary part of the program. These would be used in smaller well defined areas of the lakes.

To a question from Mr. Neil, Mr. Marr replied that chemicals would not be used in the north end of Okanagan Lake, but mainly in Penticton and possibly a large experimental plot in Kelowna.

To Director Lamont's queries concerning local cost sharing, Mr. Marr replied that in other areas of the Province the local communities were paying 15% of costs for aquatic weed programs while the Province was paying 85%.

Mr. Marr suggested that extreme controls placed on themselves in implementing the chemical program, have led to restrictions in the amount of chemicals to be used. Perhaps better cooperation by local communities in looking for alternate water supplies would assist in any further large scale chemical programs.

Director Stuart suggested that based on past years experience, it would be helpful to acquire the permits earlier in the year and to get the test results to the communities at an earlier date so that decisions could be made in ample time for implementation.

Mayor Hindle suggested the Kelowna Yacht Club Basin as a good area for possible experimental treatment, and offered cooperation of the City in attempting this.

Referring back to how much involvement the Water Board wished to have in the program, Mr. Marr said the Board could be involved with beach clean up, and could even apply for the permits. The Province would be the technical and advisory experts.

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Director Stuart indicated that the Okanagan Basin Water Board should in no way be involved with acquiring herbicide permits. He felt the Board could be more involved actively in the day to day management of the program. He also felt the money could have been better spent locally and there could possibly be more efficiency in the management of the machinery if this was done locally. He suggested that the Water Board study this in detail before taking parts of the program back, as it would cost money and would be a considerable nuisance problem. Possibly the mechanical side of the program could be looked at by the Water Board, but the costs would have to be determined.

Mr. Marr suggested that the present and most efficient way of running the overall program should be studied without consideration as to funding. The Board could possibly be looking at a harvesting schedule.

The Chairman suggested three areas in which the Water Board could become more involved; 1) make the allocated funds go further 2) help speed up the program 3) become more involved with local people not to stall the program.

Mr. Marr suggested the Province would approach the City of Kelowna again with the results of last years test data to see if a large experimental plot could be placed on the Kelowna waterfront. Mayor Hindle indicated that this would be fine and the City would consider this provided there is not evidence that 2,4-D is detrimental.

Director Kenyon encouraged the Okanagan community to get a program going and to avoid further stalling.

Mr. Marr stated that unless there is local acceptance and backing of the program, there will be problems. Director Kenyon felt the Water Board was unanimous in support of the use of 2,4-D. The Chairman indicated however, that the Board should be more vocal in stating its position.

Director Lamont suggested the manner in which the Board become involved should be mapped out and the procedures determined for a future program.

Director Tait voiced his concern for the high cost incurred in the Program to date and felt if the Water Board was involved in the harvesting program it could possibly save in the cost.

Director Stuart indicated the Board should further discuss how it could become involved and set priorities. If the Water Board takes on the program there would be many concerns. It would not be possible to give an answer today.

The Secretary-Manager indicated there could be difficulty in justifying high expenditures (approximately \$3 million to date) on the program when there was very little acreage that has actually been cleared. Much of the cost no doubt was going towards research and extra work required to meet fairly strict regulations that were required in the herbicide program. He felt there should be much tighter control on the expenditures. Perhaps the production portion of the program should be separated from the research in order to account for costs more effectively and to indicate that not all costs incurred are going into production. A review of all invoices that had been processed indicated there were many items that were not absolutely necessary.

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Mr. Marr indicated that there has been some success in setting the weed back in Kalamalka and Wood Lake. He felt that in the Provincial judgement the expenditures as made were required to run this type of program.

The Chairman suggested that a Committee of the Water Board would get together and discuss proposals as to how the Water Board could be more involved. Mr. Marr indicated that staff of the Ministry of Environment should also be involved. The Board is being given the opportunity to participate in the aquatic weed program in whatever level they wish, however if the opportunity is not accepted the Board should not criticize the Provincial program.

Discussion then occurred on the use of lake drawdown to help curtail the growth of aquatic weeds, particularly on the margins of the lakes. The Secretary-Manager had prepared a very short brief which was given to Mr. Marr, suggesting that all lakes downstream of Okanagan Lake have an excellent potential for the use of drawdown as a tool to control the aquatic weeds. These lakes being Skaha, Vaseux, and Osoyoos Lakes are much smaller than Okanagan Lake and being downstream of Okanagan Lake could be refilled from Okanagan Lake after a drawdown had occurred. Drawdown on Okanagan Lake would be much more difficult to implement. Drawdown would best be done in the winter months to allow one or two inches frost penetration to kill root crowns. This would leave most beaches free of weeds. Peripheral weeds could be treated cosmetically in small spots. It was suggested that some of the funding currently being used on annual weed control be directed towards long term goals of weed control by drawdown. The increased capability for drawdown would also have other benefits in water management.

A report on costs associated with lowering intakes on Skaha Lake is being prepared and should be available shortly. Director Kenyon suggested that rather than lowering all the individual intakes, a feasibility study should be done of the possibility of extending a single service line down the shore from existing major water supply systems. It may be less costly to supply water to all lakeshore residents from existing utilities than to lower and maintain individual water systems.

Director Lamont indicated that the Provincial Aquatic Weed Program had been under considerable pressure and had withstood the pressure well. He wished they would continue the program enthusiastically and hoped that the Board would give support.

Osoyoos
Lake levels
and U.S.
border flows:

Mr. Marr reported on the public hearings, of the International Joint Commission on water levels on Osoyoos Lake and Okanagan River, which were held in Osoyoos on September 13, 1978 and in Orville on September 14, 1978. The Province had been in attendance to make a presentation. Mr. Marr explained the history of Zozel Dam and the agreements that had been made for its operation. The Zozel Dam is presently in a poor state of repair and should be replaced. Residents in the State of Washington and in British Columbia are concerned with Osoyoos Lake levels.

The State of Washington had wished to have the International Joint Commission include the Similkameen River Flood Control and the Okanagan Lake storage system as part of the overall referral, however, the Province reacted strongly to this. They did not wish the Similkameen River and the management of the Okanagan system to be under joint jurisdiction. Some citizens around the lake wished also to see a low level established in addition to an upper level.

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The State of Washington was asking for a minimum flow of 300 cfs. There would be extreme difficulty guaranteeing this. If Osoyoos Lake levels, for example, were to fall below 910 ft. elevation in extremely dry years, more water would have to be let into the lake from upstream to satisfy the requirements. He did not wish to see this happen. If a lower level is set it could not be satisfied under all conditions.

A memorandum had been drafted with the State of Washington for an interim program on Osoyoos Lake for one year. When the Zozel Dam is rebuilt it will have storage which should be operated publicly. Mr. Marr indicated that setting high and low water levels for Osoyoos Lake should be done without giving away the ultimate management rights in B.C. There would be many ramifications. He preferred that the Province work out its position with the State of Washington before the International Joint Commission sets the final ruling. He stressed the need for the Water Board to keep in touch with the Province on this concern so that the public interests are best served for British Columbia and the Okanagan. Mr. Marr would contact the Water Board as negotiations continued. Mayor Kenyon complimented Mr. Marr on his presentation and on the position the Province has taken in this regard on behalf of the Okanagan.

The meeting adjourned at 5:00 p.m.

CERTIFIED TO BE TRUE & CORRECT

Chairman

Secretary-Manager