DBID OPEN BOARD OF TRUSTEES MEETING

Date: April 15, 2025 **Time:** 7:00 p.m.

OPEN AGENDA

A. CALL TO ORDER

The Chair will call the meeting to order and respectfully acknowledge the Qualicum First Nation on whose traditional territory this meeting takes place.

B. ADOPTION OF MINUTES

1. Motion:

That the Board approve the March 18, 2025, Regular Open Session minutes as circulated.

C. ITEMS COMING OUT OF CLOSED SESSION

None

D. INTRODUCTION OF LATE ITEMS

E. BUSINESS ARISING FROM THE MINUTES and UNFINISHED BUSINESS

1. Flag Pole discussion

F. PETITIONS and DELEGATIONS

None

G. CORRESPONDENCE

None

H. REPORTS

1. March 2025 - Water Operator's Reports

Recommendation:

THAT the March 2025 Water Operator's Report be received for information.

DBID OPEN BOARD OF TRUSTEES MEETING

Date: April 15, 2025

Time: 7:00 p.m.

2. March 2025 - Fire Chief's Report

Recommendation:

THAT the March 2025 Fire Chief's Report be received for information.

3. Financial Reports

- a. Total cheques issued for Water Department for March 2025: \$38,107.06
- b. Total cheques issued for Fire Department for March 2025: \$4,232.38

Recommendation:

THAT the March cheque registers be received for information.

4. Quarterly Financial Reports

Recommendation:

THAT the Quarterly Financial Reports for the period January 1, 2025 to March 31, 2025 be received for information.

I. BYLAWS

Recommendation:

THAT the Board accept the registered copy of Bylaw No. 268 "Meeting Procedures Bylaw" received from the Ministry of Housing and Municipal Affairs.

J. RESOLUTIONS

None

K. NEW BUSINESS

1. 2022 Annual Water System Report

Recommendation:

THAT the Board accept the 2022 Annual Water System Report for information and direct staff to forward to VIHA.



DBID OPEN BOARD OF TRUSTEES MEETING

Date: April 15, 2025

Time: 7:00 p.m.

2. 2023 Annual Water System Report

Recommendation:

THAT the Board accept the 2023 Annual Water System Report for information and direct staff to forward to VIHA.

L. ADJOURNMENT

THAT the Board adjourn into closed session pursuant to section 90(1)(c), 90(1)(k), and 90(2)(c) of the Community Charter to discuss matters that are related to employee relations and other human resources matters, and the approval of minutes for a closed session of a committee or Board meeting, if necessary.



Date: March 18, 2025

OPEN SESSION MINUTES

PRESENT:

Colin Thompson, Chair Alissa Woodward Diane Koch (remote) Craig Kerstens Christo Kuun Suzanne LaRoy

STAFF:

John Marsh - Administrator Janine Sibley - Assistant Admin

GUESTS:

Adam Norman – Core Water Management Cory Vanderhorst – MNP Auditors

A. CALL TO ORDER

The meeting was called to order at 7:00 PM.

The Chair respectfully acknowledged the Qualicum First Nation on whose traditional territory this meeting takes place.

The chair invited John Marsh to read a statement that he had written to the Board and members of the public.

March 18, 2025 Letter from John Marsh

MOVED by Trustee Thompson

SECONDED by Trustee Kuun

THAT the Board accept the March 18, 2025 Letter from John Marsh as correspondence in to be entered into the minutes.

Unanimous CARRIED

B. ADOPTION OF MINUTES

February 18, 2025 Regular Open Session Minutes

MOVED by Trustee Thompson

SECONDED by Trustee Kuun

THAT the Board approve the February 18, 2025 Regular Open Session Minutes as circulated.

Date: March 18, 2025

C. ITEMS COMING OUT OF CLOSED SESSION

February 18, 2025 Closed Session Meeting Minutes

MOVED by Trustee Thompson

SECONDED by Trustee Kerstens

THAT the Board approve the February 18, 2025 Closed Session Meeting Minutes as circulated.

Unanimous CARRIED

D. INTRODUCTION OF LATE ITEMS

- 2. E.1 Update on status of filing Bylaw No. 268 with municipal affairs
- 3. E.2 AGM discussion on dates
- 4. K.3 UBCM grant

E. BUSINESS ARISING FROM THE MINUTES + UNFINISHED BUSINESS

1. Update on status of filing Bylaw No. 268 with municipal affairs, action item for Administrator to follow up and confirm.

F. PETITIONS & DELEGATIONS

1. MNP Auditors - Cory Vanderhorst, DBID 2024 Financial audit

MOVED by Trustee Koch

SECONDED by Trustee Kuun

THAT the Board Receive and Approve the 2024 financial statements as presented by MNP.

Unanimous CARRIED

2. Mary Martin - The Canada Community Building Fund Discussion on potential grant opportunities.



Date: March 18, 2025

G. CORRESPONDENCE

Steve Arstad, Board Chair, Kaleden Irrigation District, March 6, 2024, Proposed Class Action Lawsuit against the Province of BC.

MOVED by Trustee Thompson

SECONDED by Trustee Koch

THAT the Board is in support of the concept of the discriminatory and unfair treatment against improvement and irrigation districts for restricting our ability to access lower interest loans and grant funding. However, before making a decision on moving forward we await a decision on the estimated legal fees and what DBID's portion is proposed to be.

Unanimous CARRIED

H. REPORTS

1. February 2025 Water Operator's Report

MOVED by Trustee Thompson

SECONDED by Trustee LaRoy

THAT the February 2025 Water Operator's Report be received for information.

Unanimous CARRIED

2. February 2025 Fire Chief's Report

MOVED by Trustee Thompson

SECONDED by Trustee Kuun

THAT the February 2025 Fire Chief's Report be received for information.

Unanimous CARRIED

MOVED by Trustee LaRoy

SECONDED by Trustee Woodward

THAT before the next Board meeting, move forward to find out the cost to fix or replace the Flag pole and bring a cost proposal and scope of work to vote on.

- 3. Financial Reports
 - a. Total cheques issued for Water Department for February 2025: \$111,335.98
 - b. Total cheques issued for Fire Department for February 2025: \$3,854.71



Date: March 18, 2025

MOVED by Trustee Thompson

SECONDED by Trustee Kerstens

THAT the February 2025 cheque registers be received for information.

Unanimous CARRIED

4. Thompson Clarke West update - Trustee Kerstens verbal report

MOVED by Trustee Koch

SECONDED by Trustee Kuun

THAT the TCW verbal update from Trustee Kerstens be accepted for information.

Unanimous CARRIED

I. BYLAWS

None

J. RESOLUTIONS

None

K. NEW BUSINESS

1. DBID Draft April Pipeline newsletter for review

MOVED by Trustee LaRoy

SECONDED by Trustee Kuun

THAT the Board approve the Draft April Pipeline with the suggested amendments of changing the meeting facility name from the DBID Firehall to DBID Boardroom for all references on the Pipeline and the website and also increase the visibility of the water conservation statement.

Unanimous CARRIED

2. AGM Date

MOVED by Trustee LaRoy

SECONDED by Trustee Woodward

THAT the DBID AGM be held on May 15, 2025 at 7:00 pm at the Lighthouse Community Centre, 240 Lions way, Qualicum Bay.



Date: March 18, 2025

3.	UBCM 2024 CEPF Volunteer and Composite Fire Department Equipment and
	Training Grant

MOVED by Trustee Thompson

SECONDED by Trustee Woodward

THAT the Board receive the UBCM Grant contribution of a \$40,000 equipment and training grant as correspondence in and ask staff to send a letter of appreciation to the UBCM Board.

Unanimous CARRIED

4. DBID Code of Conduct Policy

MOVED by Trustee Thompson

SECONDED by Trustee LaRoy

THAT the Board approve in principal the Deep Bay Improvement District Code of Conduct Policy 25-03-18 and direct staff to substitute city with Improvement District terminology such as Trustee vs City and other necessary minor edits.

Unanimous CARRIED

- **L. QUESTION PERIOD** Questions were asked by members of the gallery in relation to the following topics:
 - TCW written report for the AGM
 - TCW pipe ravine, environmental liability assessment

M. ADJOURNMENT

MOVED by Trustee Thompson

SECONDED by Trustee Kerstens

THAT the Board adjourns the meeting.

	The meeting adjourned at 8:46 pm	
Chair of the Trustees	Corporate Officer	

Deep Bay Improvement District Water System Report

Report for: March 1, 2025 - March 31, 2025

	Total Water Pumped (m3)	Total Runtime (Hrs)	Total Starts
Well #8	4599	131.64	71
Well #6	2739	98.36	71
Well #5	1929	66	71
Well #4	241	14.83	39
Well #3	0	0	0
Well #2	0	0	0
Well #1	0	0	0

Total water pumped = 9,508 m3

2025-03-01		
2025-03-02		
2025-03-03		
2025-03-04	Flushed blow off at the end of Deep Bay Drive for 15 minutes.	AN
2025-03-05	Rounds. Sampled reservoir and Gainsberg side.	AN
2025-03-06		
2025-03-07		
2025-03-08		
2025-03-09		
2025-03-10	Rounds. Sampled reservoir and Jamison side. Flushed water through the hydrant at the end of Maple guard and the blow off at the end of Thompson Clarke	AN
2025-03-11		
2025-03-12		
2025-03-13		

2025-03-14		
2025-03-15		
2025-03-16		
2025-03-17		
2025-03-18	Flushed water at the end of Deep Bay Dr. White pacific addressed the issue and well 4 and so I went to flush it before putting it on line. Unfortunately the issue was not fully fixed so we will continue diagnosing. Monthly Trustees meeting.	AN
2025-03-19	Rounds. Sampled Gainsberg side and reservoir.	AN
2025-03-20		
2025-03-21		
2025-03-22		
2025-03-23		
2025-03-24		
2025-03-25	Rounds. Flushed and sampled Jamison side and reservoir.	AN
2025-03-26		
2025-03-27		
2025-03-28		
2025-03-29		
2025-03-30		
2025-03-31		

Deep Bay Volunteer Fire Department

March 2025 Chief's Report

If you are looking to get a burn permit please check with the improvement district office, phone or email the fire department.

I would like to invite those interested in serving the community as a fire fighter, first responder to join us. This is a very satisfying way to help people in their time of need. I would encourage you to join our phenomenal group of volunteers. We train Monday evening 6:30 till 9:00 (except long weekends) contact us at deepbayfire@dbid.ca or just show up.

The society had their bottle drive on March 29,2025 with a good turnout for help, to those who were able to be there thank you. We are uncertain of the amount of money this one raised yet, but I will post it as soon as I find out.

Though announced at the March board meeting we received a \$40,000.00 grant for some equipment and training. These are specific items that the money is allocated toward some of which has already been ordered with estimated delivery on most of the equipment by the end of May.

We are hoping to see action taken on the repairs or replacement of the flagpole soon.

A thank you to Robert Hale for the construction of the rolling tables for the fire hall. This makes maintenance on equipment much easier for the members.

If you have any questions or concerns, please send an email to deepbayfire@dbid.ca and we will address your questions or concerns.

Thank You

Chief George Lenz

DBVFD

	eep Bay Fire Department	2025 Jan	2025 Feb	2025 Mar	2025 April	2025 May	2025 June	2025 July	2025 Aug	2025 Sept	2025 Oct	2025 Nov	2025 Dec	2025 YTD
	# Structural fires	1	0	0										1
	# Other fire calls	0	0	0										0
Response:	# Motor Vehicle Incidents	2	5	1										8
Resp	# First responder calls	3	4	8										15
	# Miscellaneous calls	0	0	0										0
Safety	# Worksafe related incidents	0	0	1										1
	Total calls	6	9	10	0	0	0	0	0	0	0	0	0	25
		1s	t Quar	ter	2nd	d Qua	rter	3rc	d Quar	ter	4th	n Quar	ter	
-:-	Chief:		1											
hip	# Active officers		5											
ısı	(not incl Chief):													
pe	# Other active		16											
e	members (not in officer role):		10											
Active Membership:	Total # - Active													
\ e	Members:		22			0			0			0		
cti	Target range													
🔻	optimal:		30			30			30			30		
(nc	# Members fully													
čtic	qualified as interior		3											
es se	& exterior		J											
hters: nted twice in this section)	firefighters													
e in	# Members fully													
S	qualified as exterior firefighters, interior		10											
hters:	firefighting in		10											
Jh	progress													
Firefigl	# Members fully													
5 6	qualified as exterior		0											
i i i	firefighters													
r sh	# Members in													
Jbei	training for exterior		7											
nen	firefighting													
Firefig (no member should be cou	# New members: no		2											
	training													
	# Instructors													
;;	qualified to train for													
ors	interior & exterior		4											
ıat	operations level "in-													
Instructors & Evaluators:	house"													
	# Instructors													
•ಶ	qualified to train													
ırs	ONLY to exterior		0											
t	operations level "in-													
ir.	house"													
ารเ	# Competency													
=	evaluators "in-		3											
	house"													
# C	ertified as first		_					_						
	responders		8				12	54						
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DBID - Waterworks

Cheque Log for 1020 Bank Credit Union/WD from 01/03/2025 to 31/03/2025

Cheque No.	Payee	Amount				
4681	Core Water Management Ltd.	5,147.33				
4682	Nina LeBlanc (mileage as per agreement)	45.00				
4683	White Pacific Automation	1,674.75				
4684	MNP LLP	,				
		10,749.38				
4685	Leuco Construction Inc	3,618.51				
4686	James Moller (1 1/2 month phone as per agreement)	75.00				
4687	Denise Coghill	480.00				
4688	Janine Sibley (phone as per agreement)	50.00				
4689	Heath Law LLP	247.50				
4690	John Marsh (Elementor subsription, website)	236.83				
OBP-23822964	5 Municipal Pension Plan	1,161.86				
OBP-23454211	2 Municipal Pension Plan	768.85				
OBP-959206	Receiver General	2,994.33				
OBP-916206	ADT Security Services	185.66				
OBP-914106	Waste Connections of Canada Inc	275.54				
OBP-815406	Rogers (Shaw)	191.73				
OBP-767506	BC Hydro	2,101.59				
OBP-658406	BC Hydro	140.15				
OBP-599306	BC Hydro	197.03				
OBP-421406	BC Hydro	320.39				
OBP-355106	BC Hydro	52.99				
OBP-264406	BC Hydro	121.77				
OBP-114906	BC Hydro	761.51				
Generated On:	08/04/2025					
Waterworks cheque Log March 2025						
Employee Dep	Employee Deposits March 2025					
Total Waterworks	\$38,107.06					

DBID - Fire Protection

Cheque Log for 1030 Credit Union from 01/03/2025 to 31/03/2025

2110que 20g 101 1000 010ait 0111011 10111 0 1/00/2020 to 0 1/00/2020						
Cheque No.	Payee	Amount				
3856	Central Island Truck and Trailer Ltd.	288.75				
3857	Comox Firefighters Association	550.00				
3858	Minister of Finance	206.65				
3859	1309894 BC Ltd (Canco 150)	374.57				
3860	Rob Cottrell - Replacement cheque	22.04				
3861	1309894 BC Ltd (Canco 150) - Replacement cheque	156.56				
3862	Comtech Solutions	472.50				
3863	Don Coghill	57.09				
3864	Associated Fire Safety Equipment	1,515.94				
3865	Emergency Services Marketing (I am Responding)	449.02				
OBP-624701	Telus Mobility	84.00				
OBP-592401	TELUS Communications	55.26				
Generated On: 08/04/2025						
Fire cheque log March 2025 \$						

DBID - Waterworks

Comparative Income Statement

	Budget 01/01/2025 to 31/12/2025		01/01/20	Actual 01/01/2025 to 31/03/2025	
REVENUE					
REVENUE Water Base Rate Water Consumption Penalties / Interest Charges Building/Ins. Shared Shared Office Staff Applications / Connections Other Income Interest Earned WATER OPERATING INCOME Total Waterworks Income	182,198.00 106,400.00 5,110.00 63,843.00 41,750.00 1,000.00 500.00	405,801.00 405,801.00 405,801.00	45,764.45 12,019.31 7,623.61 15,960.00 10,437.00 300.00 200.00 1,231.59	93,535.96 93,535.96 93,535.96	136,433.55 94,380.69 -2,513.61 47,883.00 31,313.00 700.00 300.00 3,768.41 312,265.04 312,265.04
EXPENSE	-				
OPERATING EXPENSES Advertising Adjustments Bank Charges Hydro bldg. 9711 4442 601 Audit Insurance Trustee Honorarium Licenses/Water Tests Office Supplies Office Equip / Service Contracts Postage Cable Expense Telephone Professional Fees Wages - Assistant Wages - Administrator Admin Benefits CPP Expense El Expense El Expense WorkSafe BC MPP Employer MPP Employer MPP Employee TOTAL ADMINISTRATION Hydro Pump #2 9711 2647 001 Hydro pump #3 9711 4400 601 Hydro pump #4 9711 2650 401 Hydro pump #5 9711 2650 801 Hydro pump #8 2925 207 Generator - fuel/repairs Maintenance-Buildings Maintenance-Contract	1,300.00	283,445.00	0.00 740.45 56.74 5,587.41 12,700.00 31,527.87 0.00 253.70 175.94 3,709.94 1,395.03 385.20 368.79 236.45 21,438.70 12,781.62 766.93 1,738.69 724.51 656.38 5,223.22 0.00 231.56 261.15 89.98 346.44 734.37 1,293.99 0.00 4,717.24 13,500.00	100,467.57	1,300.00 -740.45 243.26 10,912.59 4,800.00 8,472.13 6,200.00 3,496.30 1,924.06 3,790.06 3,104.97 1,154.80 181.21 17,263.55 33,561.30 57,218.38 38,438.07 -1,738.69 -724.51 -656.38 -5,223.22 0.00 182,977.43 408.44 204.85 910.02 2,153.56 1,765.63 2,206.01 2,250.00 11,282.76 40,500.00

DBID - WaterworksComparative Income Statement

	01/01/20	Budget 01/01/2025 to 31/12/2025		Actual 01/01/2025 to 31/03/2025	
	01/12/2	2020			Difference
Call outs/Emergencies	3,000.00		1,850.00		1,150.00
Machine Rental	3,000.00		0.00		3,000.00
Casual Labour	4,000.00		0.00		4,000.00
Wages - Meter Reading	3,000.00		455.93		2,544.07
Maint. Material/Equipment	6,000.00		87.22		5,912.78
Major Repairs & Maintenance	17,000.00		2,405.00		14,595.00
Mileage	2,500.00		308.44		2,191.56
Seminars	1,000.00		0.00		1,000.00
TOTAL OPS & MAINTENANCE		122,356.00		26,281.32	96,074.68
WATER OPERATING EXPEN		405,801.00		126,748.89	279,052.11
OTHER EXPENSES					
Contingency Fund		0.00		0.00	0.00
TOTAL OTHER EXPENSES		0.00		0.00	0.00
TOTAL EXPENSE		405,801.00		126,748.89	279,052.11
NET INCOME		0.00		-33,212.93	33,212.93

DBID - Waterworks

Comparative Balance Sheet

	As at 31/0	As at 31/03/2025		As at 31/12/2024		
ASSET						
CURRENT ASSETS Bank Credit Union/WD RBC Investment Acct RBC Savings Acct M. Equity Shares PI 24 001 GIC 25 GIC 26	31.44 29,568.20 46,104.86	517,076.10 86,476.63 0.00 25.00	31.44 29,568.20 46,104.86	168,858.31 86,476.63 0.00 25.00	348,217.79 0.00 0.00 0.00 0.00 0.00 0.00	
Water Ops Term Total Accounts Receivable Accrued receivables Accrued Interest Recei Accounts receivable Ri GST Receivable Inventory Prepaid insurance Prepaid expenses TOTAL CURRENT AS		75,704.50 8,687.00 0.00 3,861.49 69,897.06 3,228.18 0.00 0.00 764,955.96		75,704.50 175.00 0.00 2,629.90 7,712.33 19,412.06 0.00 31,527.87 0.00 392,521.60	0.00 8,512.00 0.00 1,231.59 62,184.73 -16,183.88 0.00 -31,527.87 0.00 372,434.36	
INTERFUND ACCOUNT Due to / from Fire Prote Due to / from Renewal Due to / from Capital TOTAL TOTAL ASSET		-313,494.57 -272,963.25 5,169.12 -581,288.70 183,667.26		-63,566.57 -74,663.45 13,756.12 -124,473.90 268,047.70	-249,928.00 -198,299.80 -8,587.00 -456,814.80 -84,380.44	
LIABILITY						
CURRENT LIABILITIES Visa Payable Accounts Payable Accrued liabilities Vacation Pay Payable CPP Payable El Payable Income Tax Payable Total Source Deductions	961.30 340.92 1,529.44	2,944.55 464.05 0.00 1,280.24	0.00 0.00 0.00	0.00 2,139.73 56,507.60 40.68 0.00 58,688.01	2,944.55 -1,675.68 -56,507.60 1,239.56 961.30 340.92 1,529.44 2,831.66 -51,167.51	
TOTAL CURRENT LIA		7,520.50		58,088.01	-51,167.51	
TOTAL LIABILITY		7,520.50		58,688.01	-51,167.51	
EQUITY						
NET ASSETS Unrestricted Net Assets Current Earnings TOTAL NET ASSETS		209,359.69 -33,212.93 176,146.76		266,784.29 -57,424.60 209,359.69	-57,424.60 24,211.67 -33,212.93	
TOTAL EQUITY		176,146.76		209,359.69	-33,212.93	

DBID - Waterworks Comparative Balance Sheet

_	As at 31/03/2025	As at 31/12/2024	Difference
LIABILITIES AND EQUITY	183,667.26	268,047.70	-84,380.44

DBID - Water CapitalComparative Balance Sheet

	As at 31/03/2025	As at 31/12/2024	Difference
ASSET			
CEC FUNDS			
RBC Investment Acct	180,214.64	180,214.64	0.00
Money Max CEC's	5,923.31	5,923.31	0.00
Reconciling Account for #8	21,410.31	21,410.31	0.00
GIC 70	97,342.85	97,342.85	0.00
GIC 55	96,955.29	96,955.29	0.00
GIC 54	39,226.27	39,226.27	0.00
Equity Shares	56.00	56.00	0.00
Share Savings	0.00	0.00	0.00
GIC 53	7,127.91	7,127.91	0.00
GIC 66	19,515.56	19,086.11	429.45
TOTAL CEC FUNDS	467,772.14	467,342.69	429.45
ACCOUNTS REC.			
A/R Waterworks Well #8	500.00	500.00	0.00
Accrued Interest Receivable	8,297.56	5,545.70	2,751.86
	8,797.56	6,045.70	2,751.86
TOTAL			2,731.00
CAPITAL ASSETS	7 400 70	7 460 70	0.00
Land	7,163.73	7,163.73	0.00
Buildings	37,020.30	37,020.30	0.00
Buildings Amortization	-37,244.82	-37,244.82	0.00
Asset Retirement Obligation	63,763.00	63,763.00	0.00
Vehicles	0.00	0.00	0.00
Vehicles Amortization	0.00	0.00	0.00
Furniture	10,099.00	10,099.00	0.00
Furniture Amortization	-5,166.25	-5,166.25	0.00
Computer Equipment	12,459.71	12,459.71	0.00
Computer Equip Amortization	-12,459.71	-12,459.71	0.00
Waterworks System	4,281,993.92	4,281,993.92	0.00
Water System Amortization	-2,387,312.60	-2,387,312.60	0.00
Maintenance Equip.	44,659.21	44,659.21	0.00
Maintenance Equip. Ammortiz	-44,659.16	-44,659.16	0.00
TOTAL	1,970,316.33	1,970,316.33	0.00
INTERFUND ACCOUNTS			
Do to/From Waterworks District	-13,756.12	-13,756.12	0.00
TOTAL	-13,756.12	-13,756.12	0.00
TOTAL ASSET	2,433,129.91	2,429,948.60	3,181.31
LIABILITY			
Long Term Liability			
Asset Retirement Obligation	63,763.00	63,763.00	0.00
Long Term Liability - Total	63,763.00	63,763.00	0.00
TOTAL LIABILITY	63,763.00	63,763.00	0.00

EQUITY

Printed On: 02/04/2025

DBID - Water CapitalComparative Balance Sheet

-	As at 31/03/2025	As at 31/12/2024	Difference
NET ASSETS RENEWAL RESERVE FUND EXTERNALLY RESTRICTED INVESTMENT IN CAP ASSETS Current Earnings TOTAL	0.00 459,632.27 1,906,553.33 3,181.31 2,369,366.91	0.00 459,632.27 1,492,869.56 413,683.77 2,366,185.60	0.00 0.00 413,683.77 -410,502 3,181.31
TOTAL EQUITY	2,369,366.91	2,366,185.60	3,181.31
LIABILITIES AND EQUITY	2,433,129.91	2,429,948.60	3,181.31

DBID - Waterworks Renewal

Comparative Income Statement

	Actual 01/01/2025 to 03/31/2025	Actual 01/01/2024 to 12/31/2024	Difference
REVENUE			-
Restricted Renewal Funds			
Parcel Tax	281,032.00	267,738.00	13,294.00
Interest Restricted Renewal	0.00	52,461.82	-52,461.82
Accrued Interest Revenue - Restr	9,261.90	-3,402.14	12,664.04
Operating Contribution - Restricted	0.00	0.00	0.00
Total Restricted Revenue	290,293.90	316,797.68	-26,503.78
Unrestricted Renewal Funds	770 70	0.070.54	0.004.00
Interest Unrestricted Renewal	776.72	3,678.54	-2,901.82
Operating Contribution - Unrestrict	0.00	2,216.00	-2,216.00
Total Unrestriced Revenue	776.72	5,894.54	-5,117.82
TOTAL REVENUE	291,070.62	322,692.22	-31,621.60
EXPENSE			
Renewal Projects			
Thompson Clarke West 2024	82,732.20	0.00	82,732.20
Reservoir Upgrades 2024/25	0.00	6,469.10	-6,469.10
Reserovir replacement 2022/2023	0.00	0.00	0.00
Contribution to Capital	0.00	475,934.22	-475,934.22
Total Expenses	82,732.20	482,403.32	-399,671.12
TOTAL EXPENSE	82,732.20	482,403.32	-399,671.12
NET INCOME	208,338.42	-159,711.10	368,049.52

DBID - Waterworks Renewal

Comparative Balance Sheet

	As at 03/	31/2025	As at 12/3	31/2024	Difference
ASSET					
Renewal Reserve Funds Pl 24 003 Restricted Renewal	1.18		1.18		0.00
Term Deposit Restricted Ren RBC Investment Restricted	26.25 986,670.21		26.25 986,670.21		0.00 0.00
Total Restricted RBC Investment Unrestricted RBC Savings Unrestricted	82,743.69 0.00	986,697.64	82,743.69 0.00	986,697.64	0.00 0.00 0.00
Total Unrestricted Accounts Receivable Other Accrued Interest Receivable	28,854.98	82,743.69 0.00	18,816.36	82,743.69 0.00	0.00 0.00 10,038.62
Total Receivable Due to/from Waterworks	272,963.25	28,854.98	74,663.45	18,816.36	10,038.62 198,299.80
Total Interfund Accounts Total Current Assets		272,963.25 1,371,259.56		74,663.45	198,299.80 208,338.42
TOTAL ASSET		1,371,259.56		1,162,921.14	208,338.42
LIABILITY					
Current Liabilities Accounts Payable		0.00		0.00 0.00	0.00 0.00
Holdback payable Total Current Liabilities		0.00		0.00	0.00
Long Term Liabilities Bank Loans		0.00		0.00	0.00
Total Long Term Liabilities		0.00		0,00	0.00
TOTAL LIABILITY		0.00		0.00	0.00
EQUITY					
Owners Equity Owners Contribution		0.00		0.00	0.00
Internally Restricted Water Retained Earnings - Previous Current Earnings		104,525.41 1,058,395.73 208,338.42		104,525.41 1,218,106.83 -159,711.10	0.00 -159,711.10 368,049.52
Total Owners Equity		1,371,259.56		1,162,921.14	208,338.42
TOTAL EQUITY		1,371,259.56		1,162,921.14	208,338.42
LIABILITIES AND EQUITY		1,371,259.56		1,162,921.14	208,338.42

DBID - Water CapitalComparative Income Statement

	Actual 01/01/2025 to 31/03/2025	Actual 01/01/2024 to 31/12/2024	Difference	
REVENUE				
INTEREST CEC FUNDS Accrued Interest Revenue CEC Reserve Interest TOTAL	3,181.31 0.00 3,181.31	21,019.88 0.00 21,019.88	-17,838.57 0.00 -17,838.57	
CAPITAL EXPENDITURE Capital Expenditure Charges TOTAL	0.00	0.00	0.00 0.00	
CONTRIBUTIONS Water Renewal Contribution Waterworks Contribution TOTAL	0.00 0.00 0.00	475,934.22 0.00 475,934.22	-475,934.22 0.00 -475,934.22	
TOTAL REVENUE	3,181.31	496,954.10	-493,772.79	
EXPENSE				
EXPENSES Out of CEC Funds Amortization Water Loss on Disposal of Asset TOTAL	0.00 0.00 0.00 0.00	0.00 83,270.33 0.00 83,270.33	0.00 -83,270.33 0.00 -83,270.33	7 4 6 6
TOTAL EXPENSE	0.00	83,270.33	-83,270.33	
NET INCOME	3,181.31	413,683.77	-410,502.46	

Comparative Income Statement

01/01/2	025 to	01/01/20	025 to	Difference

	276,325.00 0.00 40,000.00 18,408.00 1,500.00 0.00 336,233.00		276,325.00 0.00 15,000.00 4,346.00 1,042.32 0.00 888.64 297,601.96	0.00 0.00 25,000.00 14,062.00 457.68 0.00 -888.64 38,631.04
	336,233.00		297,601.96	38,631.04
475.00 0.00 1,000.00 3,000.00 50.00 32,000.00 2,400.00 605.00 20,000.00 2,000.00 600.00 2,500.00 1,000.00 4,000.00	66,630.00 5,000.00	300.00 0.00 123.22 342.89 0.00 0.00 0.00 323.60 2,281.66 0.00 0.00 0.00 126.24	3,371.37 126.24	175.00 0.00 876.78 2,657.11 50.00 32,000.00 2,400.00 2,400.00 281.40 17,718.34 2,000.00 600.00 2,500.00 63,258.63 1,000.00 3,873.76 4,873.76 0.00 1,100.00
1,500.00 660.00 1,500.00	2,600.00	0.00 0.00	211.28	1,288.72 2,388.72 660.00 1,500.00
0.00 1,300.00 4,000.00		0.00 0.00 275.00		2,160.00 0.00 1,300.00 3,725.00 5,025.00
2,000.00 1,000.00 10,000.00 3,000.00	13,000.00	449.02 0.00 0.00 607.83	449.02	1,550.98 1,000.00 10,000.00 12,550.98 2,392.17
	01/01/20 31/12/2 31/12/2 475.00 0.00 1,000.00 3,000.00 50.00 32,000.00 2,000.00 2,000.00 605.00 20,000.00 2,500.00 1,000.00 4,000.00 1,500.00 1,500.00 1,300.00 4,000.00 2,000.00 1,000.00	475.00 0.00 18,408.00 1,500.00 0.00 336,233.00 336,233.00 336,233.00 336,233.00 336,233.00 32,000.00 32,000.00 2,400.00 2,400.00 2,000.00 605.00 20,000.00 2,500.00 1,000.00 1,100.00 4,000.00 1,500.00 2,600.00 2,600.00 2,600.00 1,500.00 3,000.00 1,500.00 5,300.00 2,160.00 1,300.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00	01/01/2025 to 31/12/2025 276,325.00 0.00 40,000.00 18,408.00 1,500.00 0.00 0.00 336,233.00 336,233.00 336,233.00 336,233.00 332,000.00 0.00 2,400.00 2,400.00 2,000.00 605.00 2,500.00 600.00 2,500.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 2,500.00 0.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,000.00 0.00 1,500.00 0.00 1,500.00 0.00 1,500.00 0.00 1,000.00 0.00 1,000.00 0.00 1,000.00 0.00	01/01/2025 to 31/03/2025 276,325.00

Comparative Income Statement

	Budç 01/01/20 31/12/2	025 to	Actu 01/01/20 31/03/2)25 to	Difference
Building Repairs & Main.	0.00	*	498.35		-498.35
Medical Supplies	4,000.00		880.81		3,119.19
Supplies & Equipment	15,000.00		2,247.45		12,752.55
Life Jackets	200.00		0.00		200.00
Jaws of Life Service/Repair	1,500.00		1,443.75		56.25
Compressor Repair	2,000.00		1,571.05		428.95
UBCM Training and Equipment	40,000.00		0.00		40,000.00
UBCM Grant 2023	0.00		0.00		0.00
Air Pack Servicing	3,000.00		1,465.50		1,534.50
Footwear	1,000.00		0.00		1,000.00
Shared Building/Ins. Exp.	63,843.00		15,960.00		47,883.00
Shared Office Staff	41,750.00		10,437.00		31,313.00
TOTAL OPS & MAINTENANCE	,	175,293.00		35,111.74	140,181.26
FIRE OPERATING EXPENSES		269,983.00		39,544.65	230,438.35
OTHER EXPENSES					0.004.00
Capital Asset Addition		0.00		2,634.60	-2,634.60
Renewal Purchases		0.00		0.00	0.00
Renewal/Capital Contribution		66,250.00		0.00	66,250.00
Contingency Fund		0.00		0.00	0.00
Fire Hall Expenses		0.00		338.50	-338.50
TOTAL OTHER EXPENSES		66,250.00		2,973.10	63,276.90
TOTAL EXPENSE		336,233.00		42,517.75	293,715.25
NET INCOME		0.00		255,084.21	-255,084.21

Comparative Balance Sheet

	As at 31/03/2025	As at 31/12/2024	Difference
ASSET			
Current Assets			
Credit Union	131,219.29	127,201.04	4,018.25
RBC Investment Acct	120,647.00	120,647.00	0.00
First Savings, Equip. Donations	9.43	9.43	0.00
M. Equity Shares	25.00	25.00	0.00
GST Receivable	19,183.62	18,550.86	632.76
Accounts Receivable	455.00	1,991.00	-1,536.00
Accrued Int. Receivable - Ops	6,087.75	5,045.43	1,042.32
Accrued Int. Receivable - Cap	2,703.82	1,815.18	888.64 0.00
GIC 48 Cap Replac.	77,064.60	77,064.60	0.00
GIC 44 Cap Replac.	47,629.27	47,629.27 36,082.75	0.00
GIC 45 Ops	36,082.75 35,484,84	35,481.81	0.00
GIC 40 Cap Replac.	35,481.81 0.00	0.00	0.00
GIC 41 Ops	29,568.20	29,568.20	0.00
GIC 42 Ops	29,277.58	29,277.58	0.00
GIC 23 Ops	29,265.03	29,265.03	0.00
GIC 24 Ops	29,203.03	29,277.58	0.00
GIC 26 Ops GIC 56	34,400.00	34,400.00	0.00
GIC 56 GIC 56 - Do Not Use	0.00	0.00	0.00
	628,377.73	623,331.76	5,045.97
TOTAL CURRENT ASSETS	020,377.73		0,040.07
INTERFUND ACCOUNT			,
Due to From Waterworks Dist.	313,494.57	63,566.57	249,928.00
Due to /From Capital	1,550,163.23	1,550,163.23	0.00
TOTAL	1,863,657.80	1,613,729.80	249,928.00
TOTAL ASSET	2,492,035.53	2,237,061.56	254,973.97
LIABILITY			
Current Liabilities			
Accounts Payable	1,966.24	2,076.48	-110.24
Accrued Liabilities	20,964.65	20,964.65	0.00
Holdbacks Payable	0.00	0.00	0.00
Total Current liabilities	22,930.89	23,041.13	-110.24
Long Term liabilities			
Capital Tax Advance - FH	1,063,785.21	1,063,785.21	0.00
Bylaw 247	316,369.28	316,369.28	0.00
Bylaw 250	80,076.76	80,076.76	0.00
*	1,460,231.25	1,460,231.25	0.00
TOTAL LIABILITY	1,483,162.14	1,483,272.38	-110.24
EQUITY			
Owners Equity			
Savings Transfers	0.00	0.00	0.00
Restricted Building Renewal	0.00	0.00	0.00

Comparative Balance Sheet

•	As at 31/03/2025	As at 31/12/2024	Difference
Internally Restricted Fire	294,101.00	294,101.00	0.00
Retained Earnings - Previous Y	459,342.18	911,204.93	-451,862.75
Current Earnings	255,084.21	-451,862.75	706,946.96
Total Owners Equity	1,008,527.39	753,443.18	255,084.21
TOTAL EQUITY	1,008,527.39	753,443.18	255,084.21
LIABILITIES AND EQUITY	2,491,689.53	2,236,715.56	254,973.97

DBID - Fire CapitalComparative Income Statement

	Actual 01/01/2025 to 31/03/2025	Actual 01/01/2024 to 31/12/2024
REVENUE		
CONTRIBUTIONS Fire Protection Contribution TOTAL	0.00	687,649.89 687,649.89
TOTAL REVENUE	0.00	687,649.89
EXPENSE		
EXPENSES Amortization Fire Loss on Disposal of Asset TOTAL	0.00 0.00 0.00	96,004.98 0.00 96,004.98
TOTAL EXPENSE	0.00	96,004.98
NET INCOME	0.00	591,644.91

DBID - Fire CapitalComparative Balance Sheet

	As at 31/03/2025	As at 31/12/2024	Difference
ASSET			
CAPITAL ASSETS			
Land Fire	7,163.73	7,163.73	0.00
Buildings Fire	2,141,688.25	2,141,688.25	0.00
Buildings fire Ammortization	-166,895.38	-166,895.38	0.00
Motor Vehicle Fire	982,648.79	982,648.79	0.00
Motor Vehicle Fire Amortization	-422,415.00	-422,415.00	0.00
Radio & Comm. Equip Fire	45,930.76	45,930.76	0.00
Radio & Comm. Fire Ammorti	-37,061.73	-37,061.73	0.00
Furniture Fire	15,414.76	15,414.76	0.00
Furniture Fire Ammortization	-11,665.78	-11,665.78	0.00
Computer Equip. Fire	5,262.09	5,262.09	0.00
Computer Equip. Fire Ammor	-4,224.36	-4,224.36	0.00
Fire Protection Equipment	420,864.70	420,864.70	0.00
Fire Protection Equip Ammort	-220,874.60	-220,874.60	0.00
TOTAL	2,755,836.23	2,755,836.23	0.00
INTERFUND ACCOUNTS			
Due to/from Fire Protection	-1,550,163.23	-1,550,163.23	0.00
	-1,550,163.23	-1,550,163.23	0.00
TOTAL	-1,550,105.25	-1,000,100.20	0.00
TOTAL ASSET	1,205,673.00	1,205,673.00	0.00
LIABILITY			
LONG TERM DEBT			
LTD - Min. of Small Business	0.00	0.00	0.00
LTD - #4 Current Allocation F	0.00	0.00	0.00
LTD - RBC (Fire Hall)	0.00	0.00	0.00
LTD - Current Amounts Fire	0.00	0.00	0.00
	0.00	0.00	0.00
TOTAL	0.00	0.00	0.00
TOTAL LIABILITY	0.00	0.00	0.00
EQUITY			
NET ASSETS			
Investment in Capital Assets	1,205,673.00	614,028.09	591,644.91
Amortization Increment Reali	0.00	0.00	0.00
Current Earnings	0.00	591,644.91	-591,644.91
TOTAL	1,205,673.00	1,205,673.00	0.00
TOTAL		1,200,070.00	0.00
TOTAL EQUITY	1,205,673.00	1,205,673.00	0.00
LIABILITIES AND EQUITY	1,205,673.00	1,205,673.00	0.00
	William Control of the Control of th		



File: ID73-30

April 2, 2025

Chair
Deep Bay Improvement District
5031 Mountainview Rd.
Bowser BC VOR 1G0

Dear Chairperson and Trustees:

Please find enclosed one registered copy of Bylaw No. 298, cited as "Bylaw No. 268 - Meeting Procedures Amendments Bylaw, 2025".

Sincerely,

Braden O'Neill Program Analyst

Enclosure

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DEEP BAY IMPROVEMENT DISTRICT

BYLAW NO. 268

A Bylaw to amend Bylaw No. 202, being the "Meeting Procedures Bylaw"

The Trustees of the Deep Bay Improvement District ENACT AS FOLLOWS:

That the improvement district's Bylaw No. 202 passed by the Trustees on the 18th day of June 2008, and registered by the Inspector of Municipalities on the 14th day of July 2008 is hereby amended by:

- i) Add the following to the Rules of conduct and debate section:
 - 48. Members of the public present during Meetings shall maintain order and shall not address the Board except with the permission of the Chair.
 - 49. No member or person attending a meeting may cause a disturbance, disrupt or in any manner delay the conduct of business at the meeting.
 - 50. No person shall use indecent, offensive, or insulting language or speak disrespectfully of any member of the Board, any staff of the district or any member of the public.
 - 51. Members of the public who display signs, placards, posters, clothing, or other advertising devices that interfere with the attendees and/or demonstrate a lack of respect for the formal nature of the Meetings may be requested by the Chair to leave the Meeting or remove these items.
 - 52. No member or person permitted or invited to speak on any matter at a meeting may use any rude or offensive language or, by tone or manner of speaking, express any point of view or opinion or make any allegation which, directly or indirectly, reflects upon the public conduct or private character of any person.
 - 53. Taping, Televising, Recording and Photographing of Meetings which are not closed to the public may be taped, televised, photographed (no flash photography) electronically or mechanically recorded provided that:
 - a) Verbal approval is obtained from the Corporate Officer or the Chair in advance of the meeting.
 - b) All equipment is operated in a manner which does not interfere with the attendees' ability to hear or view the proceedings of the Meeting.
 - 54. Any person who is not a member of the Board, who contravenes any provision of this by-law, may be removed at the request of the Chair by the Corporate Officer or, if necessary, by a peace officer.

DEEP BAY IMPROVEMENT DISTRICT BYLAW NO. 268

ii) Renumbering all sections accordingly

This Bylaw may be cited as the "Bylaw No. 268 - Meeting Procedures Amendments Bylaw, 2025".

INTRODUCED and given first reading by the Trustees on the 18th day of February 2025 RECONSIDERED and finally passed by the Trustees on the 18th day of February 2025

Chair of the Trustees

I hereby certify that this is a true copy of Bylaw No. 268.

A true copy of Bylaw No.268 registered in the office of the Inspector of Municipalities this _31st_day of _March_2025

Deputy Inspector of Municipalities

Corporate Officer

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DEEP BAY IMPROVEMENT DISTRICT

BYLAW NO. 268

A Bylaw to amend Bylaw No. 202, being the "Meeting Procedures Bylaw"

The Trustees of the Deep Bay Improvement District ENACT AS FOLLOWS:

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 - 51. Members of the public who display signs, placards, posters, clothing, or other advertising devices that interfere with the attendees and/or demonstrate a lack of respect for the formal nature of the Meetings may be requested by the Chair to leave the Meeting or remove these items.
 - 52. No member or person permitted or invited to speak on any matter at a meeting may use any rude or offensive language or, by tone or manner of speaking, express any point of view or opinion or make any allegation which, directly or indirectly, reflects upon the public conduct or private character of any person.
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 - a) Verbal approval is obtained from the Corporate Officer or the Chair in advance of the meeting.
 - b) All equipment is operated in a manner which does not interfere with the attendees' ability to hear or view the proceedings of the Meeting.
 - 54. Any person who is not a member of the Board, who contravenes any provision of this by-law, may be removed at the request of the Chair by the Corporate Officer or, if necessary, by a peace officer.

DEEP BAY IMPROVEMENT DISTRICT

BYLAW NO. 268

ii) Renumbering all sections accordingly

This Bylaw may be cited as the "Bylaw No. 268 - Meeting Procedures Amendments Bylaw, 2025".

INTRODUCED and given first reading by the Trustees on the 18th day of February 2025 RECONSIDERED and finally passed by the Trustees on the 18th day of February 2025

Sullouper Cliair of the Trustees

I hereby certify that this is a true copy of Bylaw No. 268.

Copporate Officer

DEEP BAY IMPROVEMENT DISTRICT

ANNUAL WATER SYSTEM REPORT 2022



1 Introduction

This annual report describes the Deep Bay Improvement District (DBID) water system and summarizes the water quality and production data from January 1, 2022 - December 31, 2022.

The DBID operates under a permit issued by Island Health (Vancouver Island Health Authority).

2 Deep Bay Improvement District

The Deep Bay Improvement District was incorporated in 1972 (originally as the Deep Bay Waterworks District). The water source comes from 7 groundwater wells. Water supply is stored in an above ground concrete reservoir and is not treated. The DBID supplies water to 616 metered services.

2.1 Groundwater Wells

Water supply for the DBID system is provided by seven wells that are located north and south of the Island Highway for a distance of 700 meters on either side of Gainsberg Road. Water from these wells is pumped directly into the distribution system.

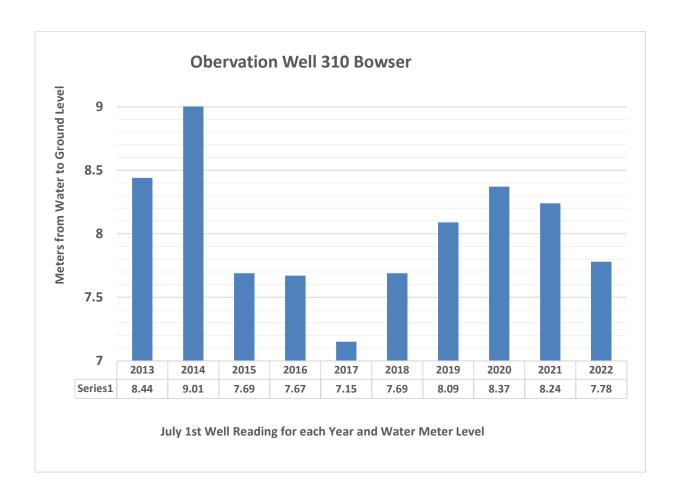
Currently Wells 4, 5, 6 & 8 are used for production supply. Wells 1, 2 & 3 are on standby for emergency use only.

DBID Well Data:

Well Name	Completion Depth	Capacity	Treated/ Untreated	Year Drilled
#1	15.9 m (52 ft)	4.8 l/s (65 IGPM)	Untreated	1973
#2	11.6 m (38 ft)	3.0 l/s (40 IGPM)	Untreated	1973
#3	16.4 m (53.7 ft)	5.7 l/s (75 IGPM)	Untreated	1969
#4	19.3 m (63.5 ft)	5.3 l/s (70 IGPM)	Untreated	1977
#5	21.5 m (70.5 ft)	10.0 l/s (130 IGPM)	Untreated	1985
#6	23.2 m (76 ft)	9.0 l/s (120 IGPM)	Untreated	1990
#7	26.1 m (85.6 ft)	Not in production	Untreated	1996
#8	23 m (75.4 ft)	11.0 l/s (145 IGPM)	Untreated	1997

2.2 Observation Well 310 Bowser

This is an observation well that is monitored by the provincial government to provide data showing the meter distance from the ground to the water level in the well. The meter number increasing is indicative that the well water level is lower than the previous year, in other words the distance from the ground to the water. Over the past 8 years the aquifer level has fluctuated from year-to-year, with the 2022 level being at a level comparable to 2015, 2016, and 2018.



2.3 Reservoirs

Water storage for the DBID system is provided by an above ground concrete reservoir located on the hillside south of the Island Highway. This structure was built in 1975 and provides 545 cubic meters (120,000 Imperial Gallons) of storage. This reservoir is divided in half by a vertical wall and both sides can operate independently.



2.4 Distribution System

The DBID water distribution system serves an area of approximately 5 square kilometers. The system has been constructed over a period of more than 45 years. The original lines were built before the District was established in 1972. Approximately 80% of the system was constructed using Asbestos Cement (AC) pipe and the remainder is Polyvinyl Chloride (PVC) pipe. The system has 58 fire hydrants.

3 Water Sampling and Testing Program

Bacteriological monitoring is carried out weekly throughout the distribution system. There are 4 sample sites, as identified by Island Health. At least two samples are taken each week, alternating between sample sites. Samples are delivered to the Parksville Health Unit where they are sent on for testing.

Full test results from bacteriological monitoring are included with this report as an attachment "Appendix A" at the back of this document. These test results are also available on the VIHA website and there is a link to the test results on the DBID website under the Water Reports tab.

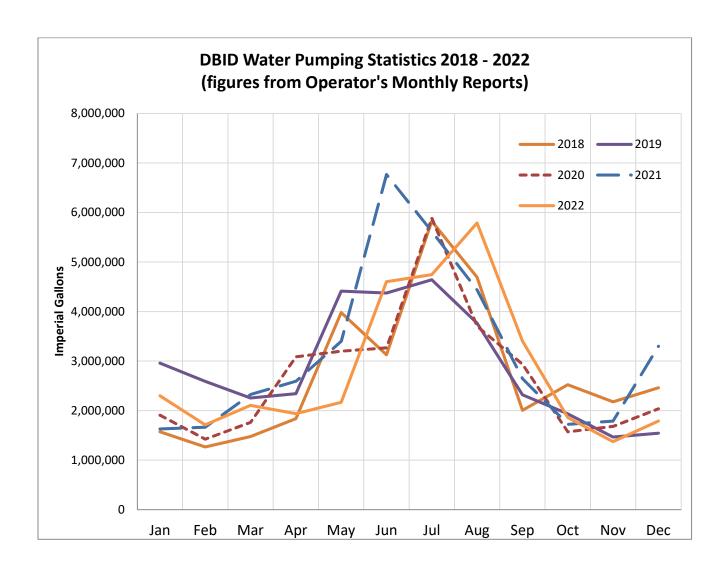
4 Water Quality Inquiries and Complaints

DBID receives water quality inquiries throughout the year. There are several detailed engineering studies available for review on the DBID website under the Technical/Operational Documents tab and the Water Reports tab.

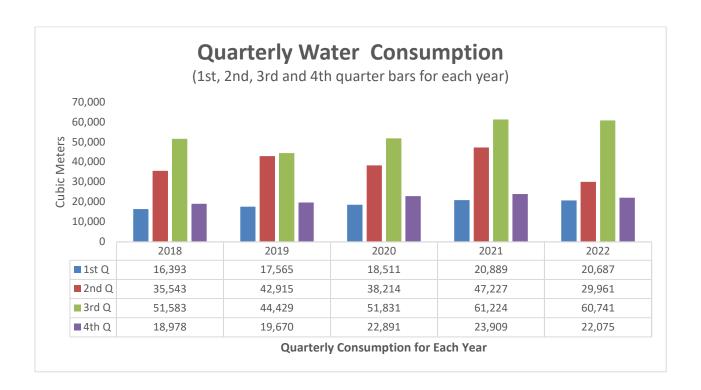
5 Groundwater Production and Consumption

The following graph shows the monthly water delivery figures (a measure of water pumped from the DBID wells) and quarterly water consumption numbers.

DBID Water Pumping Statistics show the water pumped from the wells each month. This does not correlate directly to water consumption measured at the meters as it also includes all distribution system flushing, hydrant use and water used during routine repairs and maintenance.



Quarterly Water Consumption reflects usage measured by the quarterly meter reads. Water consumption has been relatively steady during the past few years. Summer water consumption is considerably higher than over seasons due to sprinkling and other summer activities. This consumption data is used to bill rate payers quarterly for water usage.



6 Maintenance Program

Production wells and the reservoir are inspected on a weekly basis to reduce or eliminate the risk of contamination and system failure. All meters have dual check valves that are tested annually to prevent backflow into the system. Isolation valves are exercised bi-annually and air valves are inspected annually. Flushing program includes: flushing dead ends, particularly during periods of low demand. Fire hydrants are inspected annually and serviced as required.

7 Water System Projects

7.1 2022 Completed Studies

 There were no major studies completed in 2022. An engineering detailed design for a new reservoir was started.

7.2 2022 Completed Projects

There was no major construction projects completed in 2022.

8 Emergency Response Plan

The Emergency Response Plan (ERP) was reviewed and updated in 2021. The DBID ERP includes:

- Emergency Phone Contact Lists
 - o Personnel,
 - o Government Agencies,
 - o Contractors/Repair Services,
 - Technical Resources,
 - o Parts Supply,
 - Bulk Water Suppliers, and
 - Media Contacts.
- Emergency Procedures
 - Unsafe Water Guidelines (Contamination of Well Space/s),
 - Loss of Source, Water Shortage, Broken Water Main, Pump Failure, Power Failures,
 - o Flooding, Backflow or Back Siphonage,
 - o Earthquake, and
 - o Fire.
- Maps of System & Electrical Schematics

9 Report Distribution

Residents are notified by direct mail-out in the Pipeline Newsletter each year regarding the availability of this report. Annual Water System reports are available from the DBID office and on the website at www.dbid.ca under "Water Quality Reports".

A copy of this report is submitted to Island Health.

"Appendix A" Deep Bay Improvement District Water Testing Results - 2022

Date	Location	Coliform	E. Coli
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19-Dec-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	QRWRT	QRWRT
12-Dec-2022	4529 Thompson Clarke East,	LT1	LT1
12-Dec-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
05-Dec-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
05-Dec-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
28-Nov-2022	4529 Thompson Clarke East,	LT1	LT1
28-Nov-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
21-Nov-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
21-Nov-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
14-Nov-2022	4529 Thompson Clarke East,	LT1	LT1
14-Nov-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
07-Nov-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
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12-Sep-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
12-Sep-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
06-Sep-2022	4529 Thompson Clarke East,	LT1	LT1
06-Sep-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
29-Aug-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
29-Aug-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
22-Aug-2022	4529 Thompson Clarke East,	LT1	LT1

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15-Aug-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
15-Aug-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
08-Aug-2022	4529 Thompson Clarke East,	LT1	LT1
08-Aug-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
02-Aug-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
02-Aug-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
25-Jul-2022	4529 Thompson Clarke East,	LT1	LT1
25-Jul-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
18-Jul-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
18-Jul-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
11-Jul-2022	4529 Thompson Clarke East,	LT1	LT1
11-Jul-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
04-Jul-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
04-Jul-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
27-Jun-2022	4529 Thompson Clarke East,	LT1	LT1
27-Jun-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
20-Jun-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
13-Jun-2022	4529 Thompson Clarke East,	LT1	LT1
13-Jun-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
06-Jun-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
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30-May-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
16-May-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
16-May-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
09-May-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
09-May-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
02-May-2022	4647 Thompson Clarke Drive East Deep Bay, Deep Bay WWD, Deep Bay BC	LT1	LT1
02-May-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
25-Apr-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
25-Apr-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
19-Apr-2022	4647 Thompson Clarke Drive East Deep Bay, Deep Bay WWD, Deep Bay BC	LT1	LT1
19-Apr-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
11-Apr-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	QRWRT	QRWRT
11-Apr-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	REJCT DELAY3	REJCT DELAY3

"Appendix A" Deep Bay Improvement District Water Testing Results - 2022

Date	Location	Coliform	E. Coli
04-Apr-2022	4647 Thompson Clarke Drive East Deep Bay, Deep Bay WWD, Deep Bay BC	LT1	LT1
04-Apr-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
28-Mar-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
28-Mar-2022	Mapleguard Point (Ocean), Deep Bay	LT1	LT1
21-Mar-2022	4647 Thompson Clarke Drive East Deep Bay, Deep Bay WWD, Deep Bay BC	LT1	LT1
21-Mar-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
14-Mar-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
14-Mar-2022	Deep Bay Water Works AUDIT, Island Highway & Gainsburg	LT1	LT1
07-Mar-2022	4647 Thompson Clarke Drive East Deep Bay, Deep Bay WWD, Deep Bay BC	QRWRT	QRWRT
07-Mar-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	QRWRT	QRWRT
28-Feb-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
28-Feb-2022	Mapleguard Point (Ocean), Deep Bay	LT1	LT1
22-Feb-2022	4647 Thompson Clarke Drive East Deep Bay, Deep Bay WWD, Deep Bay BC	LT1	LT1
22-Feb-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
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07-Feb-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
31-Jan-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
31-Jan-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
24-Jan-2022	4647 Thompson Clarke Drive East Deep Bay, Deep Bay WWD, Deep Bay BC	LT1	LT1
24-Jan-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
17-Jan-2022	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
17-Jan-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
10-Jan-2022	4647 Thompson Clarke Drive East Deep Bay, Deep Bay WWD, Deep Bay BC	LT1	LT1
10-Jan-2022	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
04-Jan-2022	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1

DEEP BAY IMPROVEMENT DISTRICT

ANNUAL WATER SYSTEM REPORT 2023



1 Introduction

This annual report describes the Deep Bay Improvement District (DBID) water system and summarizes the water quality and production data from January 1, 2023 - December 31, 2023. This report also includes a summary of inquiries and complaints; completed and proposed maintenance activities; and the Emergency Response Plan.

The DBID operates under a permit issued by Island Health (Vancouver Island Health Authority).

2 Deep Bay Improvement District

The Deep Bay Improvement District was incorporated in 1972 (originally as the Deep Bay Waterworks District). The water source comes from 7 groundwater wells. Water supply is stored in an above ground concrete reservoir and is not treated. The DBID supplies water to 616 metered services.

2.1 Groundwater Wells

Water supply for the DBID system is provided by seven wells that are located north and south of the Island Highway for a distance of 700 meters on either side of Gainsberg Road. Water from these wells is pumped directly into the distribution system.

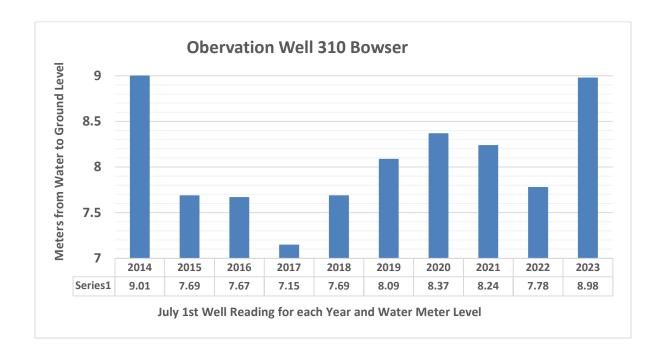
Currently Wells 4, 5, 6 & 8 are used for production supply. Wells 1, 2 & 3 are on standby for emergency use only.

DBID Well Data:

Well Name	Completion Depth	Capacity	Treated/ Untreated	Year Drilled
#1	15.9 m (52 ft)	4.8 l/s (65 IGPM)	Untreated	1973
#2	11.6 m (38 ft)	3.0 l/s (40 IGPM)	Untreated	1973
#3	16.4 m (53.7 ft)	5.7 l/s (75 IGPM)	Untreated	1969
#4	19.3 m (63.5 ft)	5.3 l/s (70 IGPM)	Untreated	1977
#5	21.5 m (70.5 ft)	10.0 l/s (130 IGPM)	Untreated	1985
#6	23.2 m (76 ft)	9.0 l/s (120 IGPM)	Untreated	1990
#7	26.1 m (85.6 ft)	Not in production	Untreated	1996
#8	23 m (75.4 ft)	11.0 l/s (145 IGPM)	Untreated	1997

2.2 Observation Well 310 Bowser

This is an observation well that is monitored by the provincial government to provide data showing the meter distance from the ground to the water level in the well. The meter number increasing is indicative that the well water level is lower than the previous year, in other words the distance from the ground to the water. This also indicates that the aquifer water level is dropping. Over the past seven years the aquifer is generally declining. The water level reflected a 7.15 reading in 2017 and 8.98 reading in 2023.



2.3 Reservoirs

Water storage for the DBID system is provided by an above ground concrete reservoir located on the hillside south of the Island Highway. This structure was built in 1975 and provides 545 cubic meters (120,000 Imperial Gallons) of storage. This reservoir is divided in half by a vertical wall and both sides can operate independently.

Herold Engineering has been retained to undertake a Water Tank Condition Assessment. This report is intended to provide an assessment of the water tank and the next steps in terms of remedial and/or replacement options. It is expected that this report will be completed in early 2024.



2.4 Distribution System

The DBID water distribution system serves an area of approximately 5 square kilometers. The system has been constructed over a period of more than 45 years. The original lines were built before the District was established in 1972. Approximately 80% of the system was constructed using Asbestos Cement (AC) pipe and the remainder is Polyvinyl Chloride (PVC) pipe. The system has 58 fire hydrants.

The Improvement District retained McElhanney Engineering to complete an Asbestos Cement Pipe Replacement Report that was completed in June 2023. The objective of this report was to assist the District in understanding the associated risks of operating aging AC watermain infrastructure, while meeting acceptable levels of service and regulatory requirements. Also, to provide guidance on prioritization of the replacement of the AC watermain piping.

This report identified the Thompson Clarke East with the highest priority replacement rating. This rating and inherent risk contributed to the Board deciding to proceed with the replacement of the pipeline in the 2024 budget. The cost associated with this project was estimated at \$587,000 based on 2023 dollars.

3 Water Sampling and Testing Program

Bacteriological monitoring is carried out weekly throughout the distribution system. There are 4 sample sites, as identified by Island Health. At least two samples are taken each week, alternating between sample sites. Samples are delivered to the Parksville Health Unit where they are sent on for testing.

Full test results from bacteriological monitoring are included with this report as an attachment "Appendix A" at the back of this document. These test results are also available on the VIHA website and there is a link to the test results on the DBID website under the Water Reports tab.

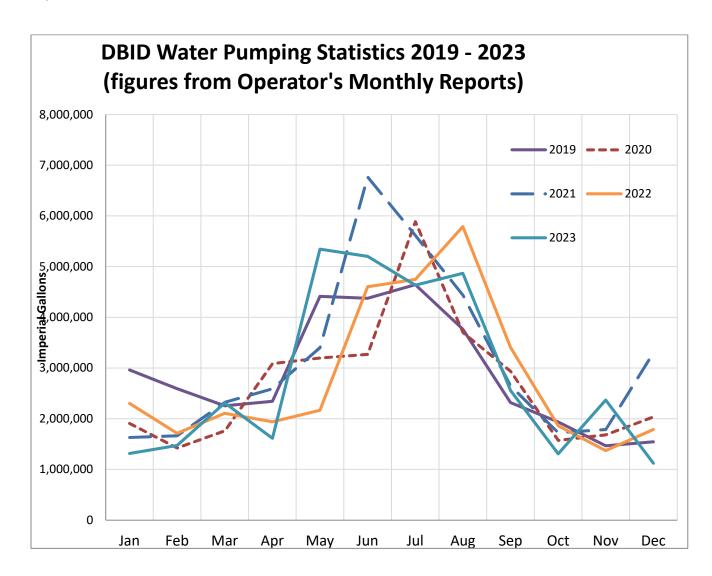
4 Water Quality Inquiries and Complaints

DBID receives water quality inquiries throughout the year. There are several detailed engineering studies available for review on the DBID website under the Technical/Operational Documents tab and the Water Reports tab.

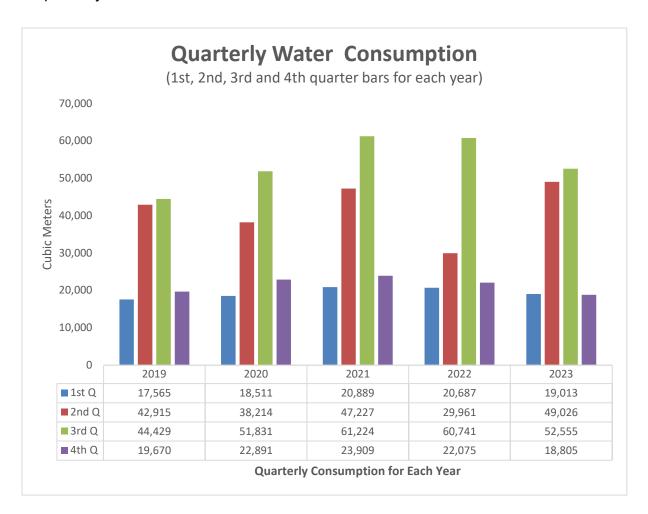
5 Groundwater Production and Consumption

The following graph shows the monthly water delivery figures (a measure of water pumped from the DBID wells) and quarterly water consumption numbers.

DBID Water Pumping Statistics show the water pumped from the wells each month. This does not correlate directly to water consumption measured at the meters as it also includes all distribution system flushing, hydrant use and water used during routine repairs and maintenance.



Quarterly Water Consumption reflects usage measured by the quarterly meter reads. Water consumption has decreased slowly but steadily over the last few years, except for higher usage during the Spring of 2023. Mandatory watering restrictions have not been implemented but all water users are asked to continue to use our resources responsibly.



6 Maintenance Program

Production wells and the reservoir are inspected on a weekly basis to reduce or eliminate the risk of contamination and system failure. All meters have dual check valves that are tested annually to prevent backflow into the system. Isolation valves are exercised bi-annually and air valves are inspected annually. Flushing program includes: flushing dead ends, particularly during periods of low demand. Fire hydrants are inspected and serviced as required annually or more frequently if required.

7 Water System Projects

7.1 2023 Completed Studies

In 2023, DBID initiated several water studies and information that has been posted to the DBID website under the Technical/Operational Documents tab. These 2023 documents are as follows:

- Reservoir and Disinfection Issues Questions and Answers, MSR Solutions, November 2023
- Reservoir Study, MSR Solutions, October 2023
- Water System Evaluation Report, McElhanney Engineering, June 2023
- Asbestos Cement Pipe Replacement Report, McElhanney Engineering, June 2023

7.2 2023 Completed Projects

There was no major construction projects completed in 2023. An engineering detailed design for potential construction of a new reservoir has been completed.

8 Emergency Response Plan

The Emergency Response Plan (ERP) was reviewed and updated in 2021. The DBID ERP includes:

- Emergency Phone Contact Lists
 - o Personnel.
 - Government Agencies,
 - Contractors/Repair Services,
 - Technical Resources.
 - o Parts Supply,
 - Bulk Water Suppliers, and
 - Media Contacts.
- Emergency Procedures
 - Unsafe Water Guidelines (Contamination of Well Space/s),
 - Loss of Source, Water Shortage, Broken Water Main, Pump Failure, Power Failures,
 - Flooding, Backflow or Back Siphonage,
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• Maps of System & Electrical Schematics

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18-Sep-2023	Deep Bay ID Concrete Reservoir - Lower, Storage Reservoir	LT1	LT1
18-Sep-2023	Deep Bay ID Concrete Reservoir - Upper, Storage - Reservoir	LT1	LT1
11-Sep-2023	4529 Thompson Clarke East,	LT1	LT1
11-Sep-2023	Deep Bay ID Concrete Reservoir - Lower, Storage Reservoir	ESTCT 3 ESTHCD	LT1
11-Sep-2023	Deep Bay ID Concrete Reservoir - Upper, Storage - Reservoir	ESTCT 34 ESTHCD	LT1
11-Sep-2023	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
05-Sep-2023	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
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01-May-2023	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
01-May-2023	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
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13-Feb-2023	4529 Thompson Clarke East,	LT1	LT1
13-Feb-2023	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	10	LT1
06-Feb-2023	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
06-Feb-2023	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
30-Jan-2023	4529 Thompson Clarke East,	LT1	LT1
30-Jan-2023	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
23-Jan-2023	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
23-Jan-2023	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
16-Jan-2023	4529 Thompson Clarke East,	LT1	LT1
16-Jan-2023	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1
09-Jan-2023	4503 Mapleguard Sampling Port on Water Meter on Road, Sample Station	LT1	LT1
09-Jan-2023	5532 Deep Bay Drive Tap on Left Side of Trailer, Deep Bay BC	LT1	LT1
03-Jan-2023	4529 Thompson Clarke East,	LT1	LT1
03-Jan-2023	Deep Bay Water System Fire Hall, Deep Bay Fire Hall, Deep Bay BC	LT1	LT1