

**2024-2028  
Financial Planning  
CVRD Core Services  
Water Supply**

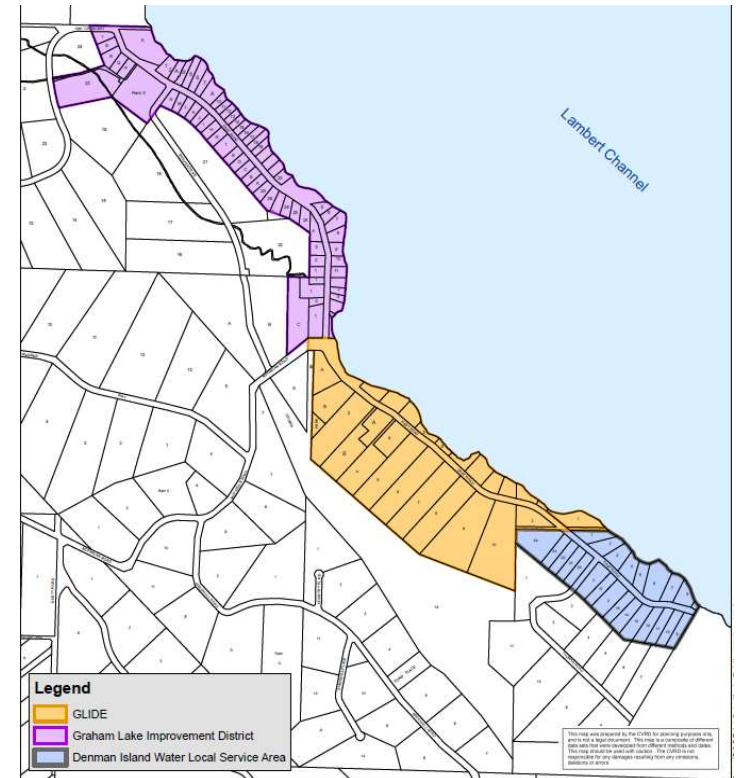
307 Denman Island Water  
Collection Area Service  
310 Graham Lake Water Local  
Service Area





# Core Service Water Supply

Core Service	Water Supply
Service Function Name	Graham Lake Water Local Service Area Denman Island Water Local Service Area
Service Sub-functions	None
Purpose	For the distribution & treatment of water for the area to be known as the Graham Lake Water Service & supply of water to the Denman Island Water Service
Participants	Defined Portions of Electoral Area A
2024 Proposed Changes to Service	None





## 2023 Accomplishments

- Conversion of Graham Lake Improvement District to CVRD service
- Extension of deadline for spending \$1.4M grant for Water Treatment Project
- Review & progression on options for WTP
- Hydrogeological assessment of Graham Lake
- Dam safety inspection



## 2024 Work Plan

- Interim treatment plant upgrades to help reduce operational effort & risk
- Supply main investigation, repair & rehabilitation
- Progress WTP project





## Trends, Challenges & Opportunities

- Few number of parcels requiring expensive treatment process
- Identifying affordable & effective treatment process to address water quality issues for the system has been challenging
- Costs increasing for everything, everyone, & anything
- Remote nature of the system means CVRD operators can't access when ferries not running



## Strategic Priorities & Initiatives

Type	Initiative	Comment
Board	Water Rate Review	Changes to parcel taxes & user rates complete
Workplan	Valve Maintenance & Exercising	Continued operation & maintenance of system & assets to deliver high quality water
Board	CEEP	Feasibility studies of initiatives identified in the 2023 energy audit



## Human Resource

	2024	2025
Opening FTE Balance	0.00	0.02
Addition Request		
Full time		
Part Time		
Temporary /Casual		
Adjustments	0.02	
Total Change	0.02	0.00
Ending FTE Balance	0.02	0.02



# 310 Graham Lake Expenses

## Year over Year Change

Category	2023 Approved Budget	2024 Proposed Budget	Increase (Decrease)	
			(\$)	(%)
Support Services	-	\$5,087	\$5,087	100.0%
Personnel Costs	\$22,500	29,930	7,430	33.0%
Materials, Supplies & Utilities	24,600	14,592	(10,008)	(40.7%)
Contract & General Services	90,150	49,530	(40,620)	(45.1%)
Transfer to Reserves	49,650	51,285	1,635	3.3%
Transfer to Other Services	1,000	-	(1,000)	(100.0%)
Minor Capital	5,000	5,100	100	2.0%
<b>Total Expenses</b>	<b>192,900</b>	<b>155,524</b>	<b>(37,376)</b>	<b>(19.4%)</b>

## Key Notes

- Chemicals [-7K] & supplies [-3K] from '23 budget
- Professional fees [-40K]





## 310 Graham Lake Revenue

### Year over Year Change

### Key Notes

- User charge split into parcel tax & user charge for 2024, combined up 11.8%
- '23 budget include 45K of community works

Category	2023 Approved Budget	2024 Proposed Budget	Increase (Decrease)	
			(\$)	(%)
Parcel Tax	-	\$55,342	55,342	100.0%
Sale of Services	\$107,200	64,482	(42,718)	(39.8%)
Government Grants	50,000	-	(50,000)	(100.0%)
Recoveries from Other Functions	35,700	35,700	-	0.0%
<b>Total Revenue</b>	<b>192,900</b>	<b>155,524</b>	<b>(37,376)</b>	<b>(19.4%)</b>



# 310 Graham Lake Operations: 2025-2028

Category	2025	2026	2027	2028
Parcel Tax	\$63,325	\$77,050	\$90,919	\$107,267
Sale of Services	69,960	71,676	73,458	88,176
Recoveries from Other Functions	35,700	35,700	35,700	35,700
Transfers from Reserve	-	-	11,500	-
<b>Total Revenue</b>	<b>168,985</b>	<b>184,426</b>	<b>211,577</b>	<b>231,143</b>
Support Services	6,689	6,689	6,689	6,689
Personnel Costs	29,433	30,259	31,122	31,990
Materials, Supplies, Utilities	14,949	15,315	15,691	27,260
Contract & General Service	50,503	51,500	52,521	53,583
Debt Charges	-	30,829	99,992	99,992
Transfer to Reserve	62,183	44,475	69	5,999
Minor Capital	5,228	5,359	5,493	5,630
<b>Total Expenses</b>	<b>168,985</b>	<b>184,426</b>	<b>211,577</b>	<b>231,143</b>



## 307 DIWLSA Expenses

### Year over Year Change

Category	2023 Approved Budget	2024 Proposed Budget	Increase (Decrease)	
			(\$)	(%)
Support Services	\$916	\$3,433	\$2,517	274.8%
Materials, Supplies & Utilities	190	190	-	-
Contract & General Services	7,435	11	(7,424)	(99.9%)
Transfer to Reserves	368	2,007	1,639	445.4%
Transfer to Other Services	35,700	35,700	-	-
Prior Year Deficit	1,413	-	(1,413)	(100.0%)
<b>Total Expenses</b>	<b>46,022</b>	<b>41,341</b>	<b>(4,681)</b>	<b>(10.2%)</b>

### Key Notes

- Water Master Plan project in '23 [-7.4K]
- Transfer to function 310



## 307 DIWLSA Revenue

### Year over Year Change

Category	2023 Approved Budget	2024 Proposed Budget	Increase (Decrease)	
			(\$)	(%)
Sale of Services	\$36,600	\$40,341	\$3,741	10.2%
Other Revenue	1,000	1,000	-	-
Government Grants	7,422	-	(7,422)	(100.0%)
Recoveries from Other Functions	1,000	-	(1,000)	(100.0%)
<b>Total Revenue</b>	<b>46,022</b>	<b>41,341</b>	<b>(4,681)</b>	<b>(10.2%)</b>

### Key Notes

- Community work funding of [-7.4K] for Master Plan project in the '23 budget



## 307 DIWLSA Operations: 2025-2028

Category	2025	2026	2027	2028
Taxation	\$23,400	\$27,600	\$32,568	\$38,424
Sale of Services	25,185	26,256	27,444	32,859
Other Revenue	1,000	1,000	1,000	1,000
<b>Total Revenue</b>	<b>49,585</b>	<b>54,856</b>	<b>61,012</b>	<b>72,283</b>
Support Services	3,433	3,433	3,433	3,433
Materials, Supplies, Utilities	190	190	190	190
Contract & General Services	11	11	11	11
Transfer to Reserve	10,251	15,522	21,678	32,949
Transfer to Other Services	35,700	35,700	35,700	35,700
<b>Total Expenses</b>	<b>49,585</b>	<b>54,856</b>	<b>61,012</b>	<b>72,283</b>



## Graham Lake & Denman Island Funding Sources

	<b>Current</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>
<b>User Rates</b>	\$900	\$976	\$1059	\$1086	\$1113	\$1336
<b>Parcel Tax</b>	\$700	\$827	\$975	\$1150	\$1357	\$1601
<b>TOTAL</b>	<b>\$1600</b>	<b>\$1803</b>	<b>\$2034</b>	<b>\$2236</b>	<b>\$2470</b>	<b>\$2937</b>

**\*\*Same Rates for Both DIWLSA & Graham Lake\*\***

**310 Graham Lake Water  
Local Service Area  
2023-2033 Capital Planning**





## 2024-2028 Capital Plan

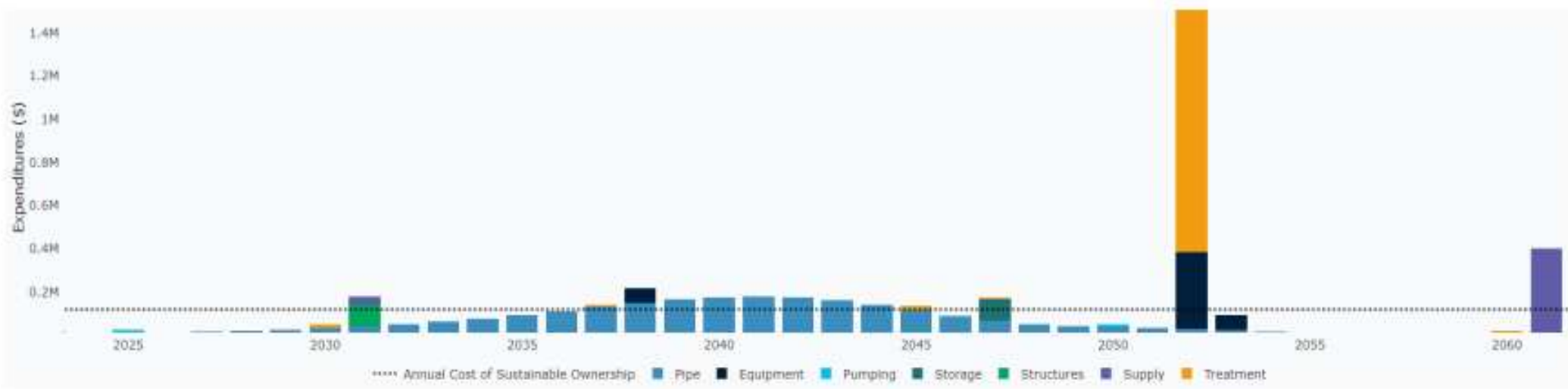
	2024	2025	2026	2027	2028
1175 – Water Treatment Plant	\$200,000	\$300,000	\$2,089,235	\$1,257,508	-
1179 – Capital Projects	40,000	75,000	-	-	-
<b>Total</b>	<b>240,000</b>	<b>375,000</b>	<b>2,089,235</b>	<b>1,257,508</b>	<b>-</b>

- \$70,000 for interim water treatment plant upgrades will be added to the recommended financial plan





# Long term Capital Plan





## 310 Graham Lake WTP

- Current estimate is \$3.9M
- \$1.4M grant
- Remaining funded from borrowing & reserves

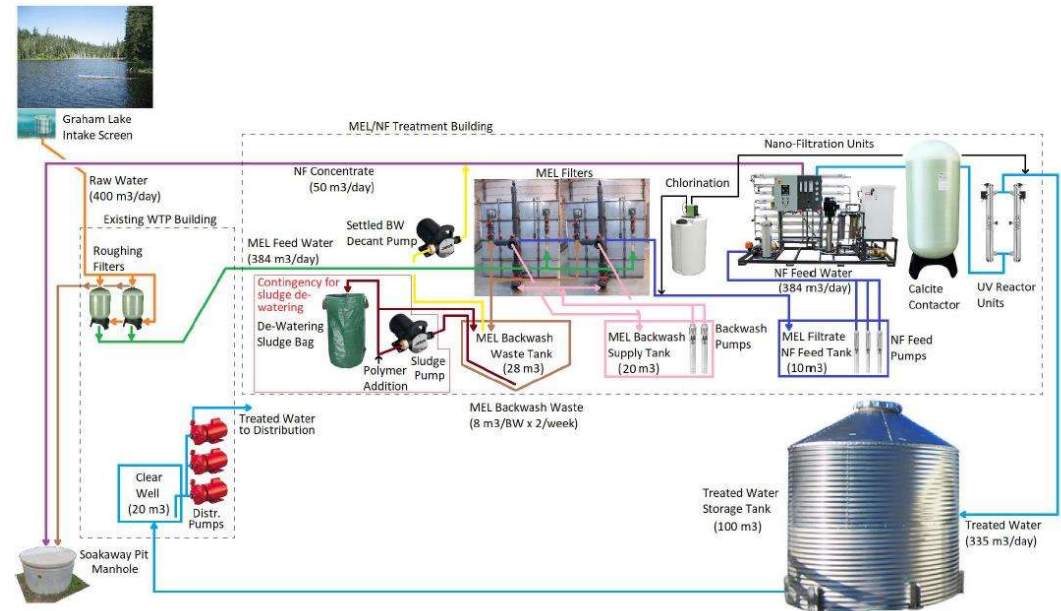


Figure 1: Treatment Process Flow Schematic

GLID WTP Upgrade  
Project No. 211-11952-00  
Graham Lake Improvement District

WSP  
October 2022  
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# Reserves

## Projected Balances

Reserve	2023 Ending Balance
310 – Future Expenditure Reserve	-
863 – Capital Works & Machinery Reserve	\$425,782
<b>Total</b>	<b>425,782</b>



## 310 Graham Lake Water Service Future Expenditure Reserve (310)

### Projected Balances

	2024	2025	2026	2027	2028
Opening Balance	-	-	-	\$12,000	\$12,000
Contributions to Reserve	-	-	\$12,000	-	-
Transfers to Operating	-	-	-	-	-
Ending Balance	-	-	\$12,000	\$12,000	\$12,000



## Capital Works & Machinery Reserves

### 310- Graham Lake Capital Works Reserve (863) Projected Balance






	2024	2025	2026	2027	2028
Opening Balance	\$425,782	\$477,325	\$539,508	\$(34,846)	\$(34,846)
Contributions to Reserve	51,543	61,817	32,052	0	5,457
Transfers to Capital/Operating	40,000	75,000	490,782	-	-
Ending Balance	437,067	423,884	(34,846)	(34,846)	(29,389)

### 307- DIWLSA Capital Works Reserve (836) Projected Balance

	2024	2025	2026	2027	2028
Opening Balance	\$9,952	\$10,733	\$13,854	\$22,246	\$36,794
Contributions to Reserve	781	3,121	8,392	14,548	25,819
Transfers to Capital	-	-	-	-	-
Ending Balance	10,733	13,854	22,246	36,794	62,613



## Summary

<b>Fiscal Responsibility</b> 	<b>Climate Crisis &amp; Environmental Stewardship &amp; Protection</b> 	<b>Community Partnerships</b> 	<b>Indigenous Relations</b> 	<b>Accessibility, Diversity, Equity &amp; Inclusion</b> 
<p>Asset Management</p> <p>Fair &amp; sustainable water rates established for 2024 through rate review</p>	<p>Water meters to be added as part of the WTP project</p> <p>Reliable &amp; resilient infrastructure</p> <p>Meet regulations</p>	<p>Management of service by EASC</p>	<p>Close communication with K'ómoks First Nation on relevant initiatives</p>	<p>Equitable access to water</p> <p>Consider applications from property owners for water system extension</p>



## Options & Recommendations

- That the proposed 2024-2028 financial plan for the function 310, Graham Lake Water Local Service Area, be approved.
- That the proposed 2024-2028 financial plan for the function 307, Denman Island Water Local Service Area, be approved.



Questions?