

A G E N D A
for

REGULAR COUNCIL MEETING
February 13, 2023

COUNCIL CHAMBERS 7:00 PM

CALL TO ORDER

The Village of Masset acknowledges the un-ceded traditional territory of the Haida Nation on which this meeting is held.

ADOPTION OF AGENDA

COUNCIL MEETING MINUTES

Council Meeting Minutes January 23, 2023

MINUTES AND REPORTS OF OTHER ORGANIZATIONS

- 1. NCRD Board Highlights January 2023**

PETITIONS AND DELEGATES

- 1. BC Rural Health Network TEAMS Presentation**
- 2. Haida Gwaii Recreation**

VERBAL REPORTS OF COUNCIL/CAO/CFO

NEW BUSINESS

- NB-1 Gwaii Storm U-13 and U-17 Girls Donation Request**
- NB-2 Water Quality Report 2022**
- NB-3 VIRL Letter of Support NDIT Cultural Infrastructure Grant**
- NB-4 Harbour Day/Community Hall Booking Request**
- NB-5 Singing Surf Liquor Licence**
- NB-6 1836, 1838 Balsam Board of Variance**

PUBLIC QUESTION PERIOD

ADJOURNMENT

Village of Masset Regular Council Meeting of January 23, 2023

Minutes of the Regular Council Meeting held January 23, 2023 in the Council Chambers.

Present:	Mayor:	S. Disney
	Councillors:	T. Carty, B. Johnston, B. Pages
	CAO:	J. Humphries
	CFO:	J. Brown

CALL TO ORDER

The Village of Masset acknowledges the un-ceded traditional territory of the Haida Nation on which this meeting is held.

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

ADOPTION OF AGENDA

Moved by Councillor Pages, seconded by Councillor Johnston to adopt the agenda as presented.

CARRIED

COUNCIL MEETING MINUTES

Council Meeting Minutes January 9, 2023

Moved by Councillor Carty, seconded by Councillor Johnston that the January 9, 2023 Council meeting minutes be adopted as presented.

CARRIED

Harbour Authority Minutes November 24, 2022

Moved by Councillor Johnston, seconded by Councillor Carty that the November 24, 2022 Harbour Authority Committee minutes be endorsed.

CARRIED

PETITIONS AND DELEGATES

1. VIRL Presentation

Ben Hyman, Executive Director for the Vancouver Island Regional Library reviewed with council the updated status of the new library for Masset. He stated that this project was initiated in 2016 but the project has been stalled in that past couple of years. There are concerns that issues with the current library building may impede service continuity in the near future. After receiving input from Old Massett Village Council some

modifications were made to the plans and the revised plans will be going to the VIRL Board for approval. If the plans for the building are approved at the January 28, 2023 VIRL Board meeting, the project could be shovel ready by the 3rd quarter. If not approved, it will go to the next VIRL Board meeting scheduled at the end of March 2023.

The updated plans for the building include the library, office space, some computer spaces and a separate area for the Haida Immersion Program. It is an approximately 4,000 square foot building.

Moved by Councillor Pages, seconded by Councillor Johnston that a letter of support for the Masset library project be sent to Vancouver Island Regional Library.

CARRIED

2. Sgt. Damon MacDonald - Masset RCMP

Sgt. MacDonald reviewed his 3rd quarter report with council. Their detachment received just under 200 calls during this period and a majority were liquor related. A warrant was recently executed and drugs and weapons were seized at the 1700 Block of Collison. Charges have not been laid yet as they are waiting for the Crown Prosecutor to review case.

The detachment is short two staff members that recently left but should be replaced in March 2023.

Sgt. MacDonald stated that on January 31, 2023 it will be legal for people to carry 2.5 grams of opioids (ie. Cocaine, Meth, Fentanyl). It will be decriminalized for the end user but will not be legal to sell. He stated that this was introduced in a means to fight against the stigma of drug addiction and see it more as a disease. However, if Council does not want people to be using drugs in public they will have to draft and adopt a bylaw that the RCMP can enforce.

Moved by Councillor Johnston, seconded by Councillor Pages that the 3rd Quarter report from RCMP Sgt. MacDonald be received.

CARRIED

3. Dr. Matthew Menard

Dr. Menard wanted to meet with council regarding the nursing shortages at the Masset Hospital which could result in the closure of the ER department and patients requiring care having to go to the hospital in Daajing Giids.

VERBAL REPORTS OF COUNCIL/CAO/CFO

Councillor Johnston and Councillor Carty attended the Harbour Committee meeting.

Councillor Carty had a phone conversation with Marilynne from the Haida Gwaii Renewable Energy Co-operative.

Josh Humphries informed Council that the Destination grant has gone to the second phase of the application process and needs a Class C estimate which he is working on. Councillor Currie will not be able to attend the Oceans Forum and he needed to know if any other Councilors were interested in attending so that the travel grant application could be submitted. Mayor Disney stated that she would be interested in attending.

Councillor Pages attended a NW Regional Hospital and a North Coast Regional District meeting.

Mayor Disney spoke to Dr. Menard regarding issues at the hospital and Brionne Lavoie regarding the cannabis application.

Moved by Councillor Carty, seconded by Councillor Pages that the verbal reports be accepted as presented.

CARRIED

NEW BUSINESS

NB-1 Frontier Cannabis Retail Application

Moved by Councillor Carty, seconded by Councillor Johnston to receive the minutes from the Public Hearing regarding the Retail Cannabis Application from Frontier Cannabis Inc.

CARRIED

Moved by: Councillor Carty
Seconded by: Councillor Johnston

WHEREAS the Village of Masset recognizes Frontier Cannabis Inc. has applied to the Liquor and Cannabis Regulation Branch (LCRB) for a Non-Medical Cannabis Retail Store (CRS) licence proposed to be located at 1627 Main Street, Masset, BC; and

WHEREAS Section 33(1) of the *Cannabis Control and Licensing Act* prevents the LCRB from issuing a CRS licence without a positive recommendation regarding the CRS licence application from the Village of Masset; and

WHEREAS in order to consider the application and provide the LCRB with a written

recommendation with respect to the application, the Village of Masset provided the public with an opportunity to submit written comments prior to the January 23, 2023 Public Hearing and to participate in said Hearing; and

WHEREAS based on the comments received with the majority referring to the positive health, safety, and economic aspects of having a legal non-medical cannabis retail store in the community, and from the presentation by the applicant to members of Council detailing the location and operations of the proposed retail store;

NOW THEREFORE BE IT RESOLVED that the Village of Masset approve the Non-Medical Cannabis Retail application by Frontier Cannabis Inc. based on public input and information received.

CARRIED

NB-2 Haida Gwaii Renewable Energy Symposium

The Village of Masset received an invitation to attend the Haida Gwaii Renewable Energy Symposium being held March 11 & 12, 2023 at the Haida Heritage Center in Skidegate. There is an opportunity for someone from the Village of Masset to speak at the symposium on March 11th, 2023 at 1:00 pm. Councillor Carty will attend on behalf of the Village of Masset.

Moved by Councillor Carty, seconded by Councillor Pages to receive the Invitation to Participate in the Haida Gwaii Renewable Energy Symposium.

CARRIED

ADJOURNMENT TO CLOSED MEETING

Moved by Councillor Pages that the meeting be adjourned at 9:22 pm to a closed session.

CARRIED

Recording Secretary

Mayor

Certified Correct, Administrator



Board Highlights

January 2023

Delegations:

Lauren Bell, Nathan Voogd, and Brett deHoog of the Ministry of Transportation and Infrastructure discussed Highway 16 winter maintenance as well as concerns with shoreline erosion on Haida Gwaii. The Board of the North Coast Regional District (NCRD) asked questions and highlighted the need for higher levels of service during winter months on Highway 16 and more proactive planning around erosion protection on Haida Gwaii. The Chair of the Board thanked Ms. Bell, Mr. Voogd, and Mr. deHoog.

Ron Poole, RBA Consultant, provided an orientation to the Board of the NCRD regarding the Northwest B.C. Resource Benefits Alliance. The Chair of the Board thanked Mr. Poole.

Board Business:

1. The Board scheduled the Parcel Tax Roll Review Panel meeting for February 10, 2023 at 6:45 p.m. to review the Sandspit Water Parcel Tax Roll. The parcel tax roll can now be reviewed [online](#) or at the NCRD administration office.
2. The Board resolved to send a letter of support for the proposed boundary amendments to Tow Hill ecological reserve as outlined in BC Parks' correspondence, dated December 15, 2022.
3. The Board resolved to send correspondence regarding the recommendations from the House of Commons Standing Committee on Fisheries and Oceans to Hon. Nathan Cullen, Minister of Water, Land and Resource Stewardship and copying Jennifer Rice, North Coast MLA and Kelly Greene, Parliamentary Secretary.
4. The Board resolved to submit an application to the Community Emergency Preparedness Fund's Disaster Reduction – Climate Adaptation funding stream for a Tlell mitigation planning project.
5. The Board gave two readings to Islands Solid Waste Management Amendment Bylaw No. 271.2, 2023. The bylaw proposes an increase to the maximum requisition rate for the Islands Solid Waste service. See the bylaw for consideration [here](#).
6. The Board adopted Bylaw No. 680, 2022, Islands Solid Waste Management Regulation, Fees & Charges Amendment Bylaw. The bylaw amends fees and charges of the Islands Solid Waste service. The adopted bylaw is available [here](#).



7. The Board resolved to send correspondence to TELUS to explore backup battery power for its cellular infrastructure in Oona River, B.C.
8. On January 21, 2023, the Board held its Round 1 Budget meeting to consider the NCRD's 2023-2027 Five-Year Financial Plan. The Round 2 Budget meeting is scheduled for February 11, 2023 at 10:00 A.M. To learn more about the NCRD's financial planning visit the [2023-2027 NCRD Financial Plan Consultation](#) webpage.

For complete details of NCRD Board meetings, the Agenda and Minutes are posted online at www.ncrdbc.com.



BCRHN
British Columbia
Rural Health Network

www.bcruralhealth.org



**Combating the
Rural Healthcare
Crisis**



About the BC Rural Health

Network

Originally formed in 2017

A collective of health advocates, groups from across rural BC

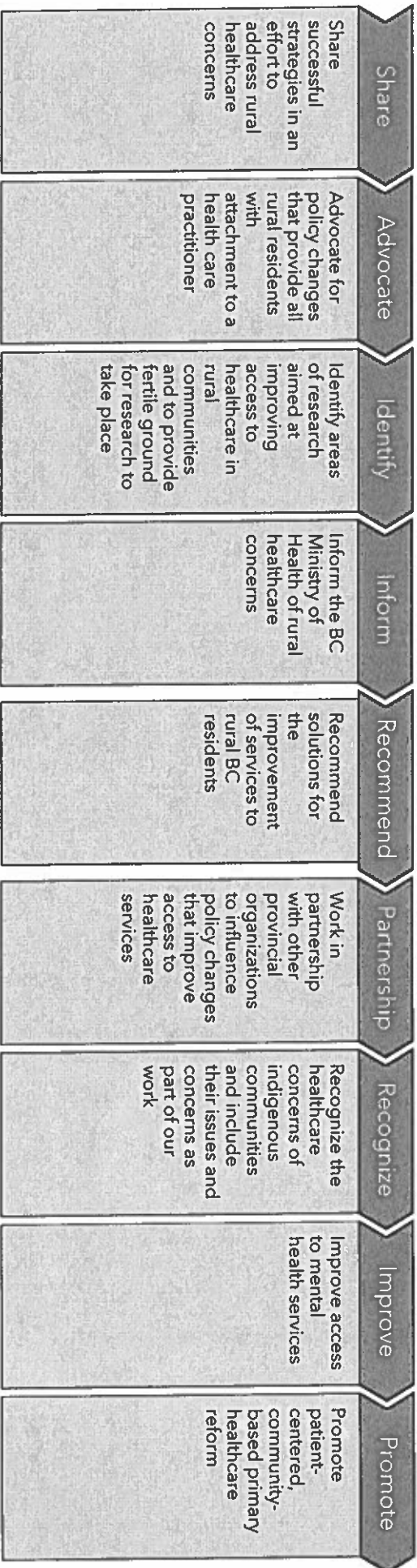
grew organically through the need for representation of rural health

Expanded to include municipalities

Expanded to include University Research and other active Non-Profits



Our Purpose



Our Work

Communication Conduit

- we listen to our membership and the general public to hear about community level challenges.
- we transfer knowledge to our membership and the general public from trusted sources.
- we transfer knowledge from the membership and the general public to governments.
- we provide local and regional solutions to authorities through high level interaction with policy makers.
- we inform the grassroots of our communities, our volunteers, our hospice workers, our community services and generally work to improve the recognition of rural healthcare providers.

Community volunteers are the backbone of our Board of Directors.



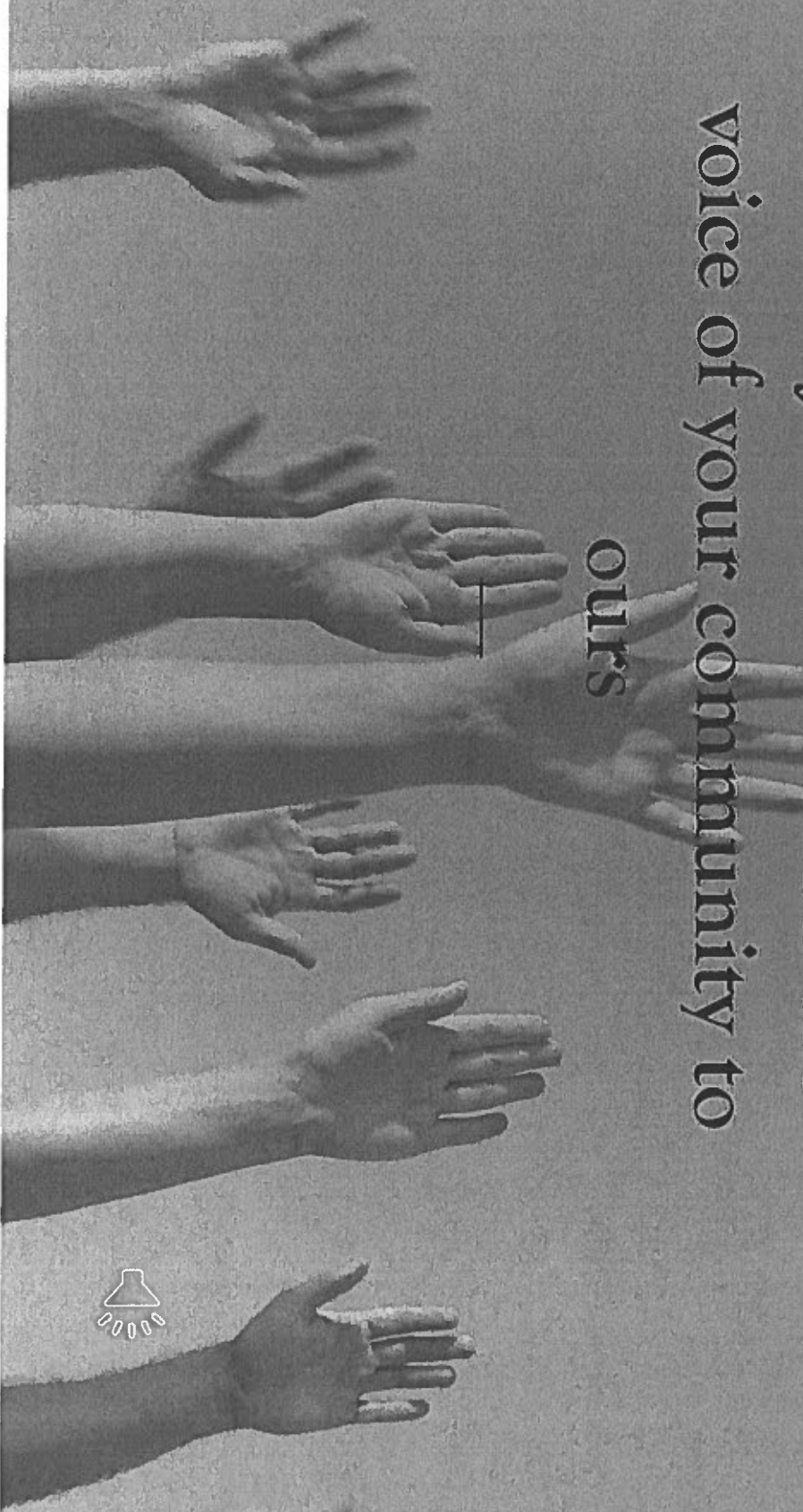
Advocacy

- We advocate for equity in health outcomes for all British Columbians
- We advocate for the ability to live in place in rural BC
- We advocate for a robust public healthcare system
- We advocate for science based management and solutions
- We advocate for community centric care and community based health management teams

We are apolitical, we are solutions based, we are a registered charity



**Please join us and add the
voice of your community to
ours**



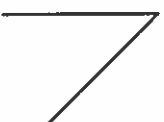


BCRHN

British Columbia
Rural Health Network

Municipal Members

- Ashcroft
- Burns Lake
- Castlegar
- Dawson Creek
- Enderby
- Fort St James
- Golden
- Kaslo and Area D
- Keremeos



- Nakusp
- New Denver
- Oliver
- Pemberton
- Pouce Coupe
- Radium Hot Springs
- Sicamous
- Silverton
- Slocan
- Sun Peaks
- Terrace
- Tofino
- Williams Lake

www.bccruralhealth.org



JAN 24 2023

Fundraising letter for Gwaii Storm U-13 Girls U-17 Girls

First, allow me to introduce myself. I am *Hi Kingaa*, Sandy Gagnon, from the Tsiits Git'anee clan of Old Massett. I have stepped forward as a volunteer fundraiser for the Gwaii Storm Under-13 Girls basketball team, representing Old Massett. As a team, we will be travelling to Nanaimo via Skidegate, Prince Rupert, and Port Hardy. This season, we have over 20 girls, of Haida indigenous ancestry, playing to bring honour to themselves and their communities; all girls are under 13 years of age. When illness suddenly struck the head manager of the U17 team, I stepped forward to try to fill her shoes, and carry on her legacy. This curveball has meant significantly more work for the team and support members, as we attempt to bring a total of twenty four (24) indigenous girls to Nanaimo for the Junior All Native basketball tournament, for both the U13 and U17 categories.

We are seeking funds to conduct our teams through our basketball season, which as you know includes many facets. Ranging from the acquisition of uniforms, to travel to Nanaimo for tournament and all connecting routes to and from, to billeting, hotel rooms as backup, , and any related team expenses.

The team is coached by Katie Willmont and she played for Vancouver Island University. U-17 coach Arnie Bellis .

We are also slated to go to the Junior All Native Tournament in March of 2023 in Nanaimo which starts March 19-24 2023.

We do accept e-transfers or written cheques can be made out to Gwaii Storm 17 e-transfers to gwaiistorm17@gmail.ca

Thank you in advance for your kind donation.

Cheers Sandra Gagnon/treasurer manager

haidaweaver@icloud.com

250 626 7219

Box 653 Masset BC V0T 1M0



Village of Masset Water Quality Report 2022

Annual Report

January 2023

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Introduction

The Village of Masset operates and maintains a water treatment and distribution system to supply potable water to the communities of Masset and Old Massett. The population served in Masset is 838, with about 450 service connections as of 2021. There are 520 residents in Old Massett and its subdivision of BlueJacket.¹ (Tlaa Gaa Aawtlaas) The Village of Old Massett has a separate water distribution system, run by its Capital Works Department.

This report outlines where the water comes from, how it is distributed, and how we ensure it is safe to drink. This information will provide those who want to further inform themselves about their drinking water the ability to do so.

Drinking water can be a complex issue. Much of the information provided in this report is technical in nature. Every effort has been made to provide a format that is easily understandable. The Village of Masset can be contacted at 250-626-3995, should there be any questions. This report, and subsequent year's reports, will be available at the Village of Masset Office upon request.

Contacts

Village of Masset Public Works Department: 250-626-3616

Sylvan Daugert – Superintendent

EOCP Level IV – Water Treatment, EOCP Level II – Water Distribution,
EOCP Level II – Wastewater Collection

Theodore Bedard – Maintenance II, Water Plant Operator

BCWWA Water Treatment I training, BCWWA Water Distribution I training,
BCWWA Wastewater Collection I training

Tyler Brown – Maintenance I, Water Plant Operator

Sam Brown – Maintenance I, Water Plant Operator

Village of Masset Administrative Office: 250-626-3995

Village of Masset Emergency After Hours Contact: 250-626-7496

Background

The Village of Masset operates and maintains a public water distribution system under the regulations of the Drinking Water Protection Act and the Regulations passed by the province in 2003, the Water Sustainability Act implemented in 2016 as well as adherence to the

¹ 2021 Statistics Canada Census.

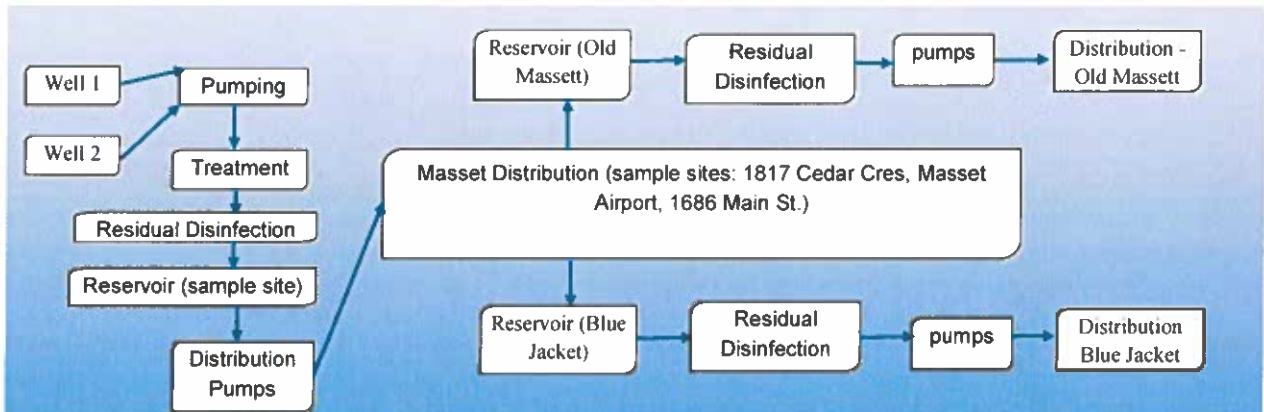
Guidelines for Canadian Drinking Water Quality. We operate under the supervision of Northern Health and their Drinking Water Office.

The Village of Masset's Water Treatment Plant is continually being optimized to ensure consistent and safe drinking water for residents of the two communities and to meet all regulations.

Water System Overview

The Village of Masset's water supply is via two wells located within the water plant property. As the two wells are within 10 meters of each other, and approximately the same depths, they utilize the same aquifer. The wells are classified as "deep wells" but are also considered to be "under the influence" of surface conditions because the aquifer is relatively shallow, without an impermeable layer above. The hydrostatic pressure of the water has the static water level of the two wells consistently about 4 meters below the surface. The draw-down depth of the water is less than 1 meter below that, with the greatest depth only during periods of the highest demand. Despite the "under the influence" designation, these levels seem to be relatively unaffected by surface conditions (precipitation levels) – such as the water advisory declared in the summer of 2016.

The Water Treatment Plant has a processing capacity of approximately 1600 m³/day or 1.6 MLD. (Million Litres per Day.) In 2022, approximately 250,000 m³ (250 million litres) of water was treated by the Water Plant, or an average of 676 m³ (676,000 litres) per day. This capacity is supplemented by a 1092 m³ reservoir at the Water Treatment Plant, and a separate reservoir at the Old Massett Water Distribution site with provisions for supplying Masset with water in the event of fire or emergency. From the reservoir at the Water Treatment Plant, water is distributed to the Water Distribution System, and Old Massett via electric distribution pumps. There is a diesel-powered fire pump that provides water during power outages, or during high demand periods, such as fires or water main breaks. The water lines in the distributions system primarily range in diameter from 100 mm to 200 mm (4" to 8"), and include two lines across the Delkatlah Slough, a line to Old Massett, and a separate line to the subdivision of Old Massett called "Blue Jacket" or "New Town." Proper name: "Tlaa Gaa Aawtlaas." There are a few very small lines in the range of 25 mm & 50 mm (1" & 2"). In 2022 Old Massett received approximately 61,000 m³ (61 million litres) of water, or an average of roughly 168 m³ (168,000 l) per day. The Blue Jacket Subdivision for Old Massett received an additional 5650 m³. Below is a simple schematic diagram of the Masset water system



Water System Overview – Water Treatment Plant

The Water Treatment Plant is a complex plant, with a Level III Water Treatment Classification. The Water Treatment Plant processes include Oxidation, Flocculation, Filtration, and Chlorine disinfection. The Oxidation is aided by “pre-chlorination,” which is injection of a small amount of Chlorine before any other treatment. This allows certain elements (especially Manganese) in the untreated water to react with treatment chemicals, which is undesirable in high concentrations in our drinking water. Residual disinfection is achieved by maintaining of a free chlorine residual throughout the distribution system. The Water Treatment Plant uses strong Oxidizing agents to react with the organics and metals in the raw water. The Water Treatment Plant is a “Package Plant” that forms a “sludge blanket” that acts to separate out approximately 90% of the sediment, organics and particulate before filtration. Chlorine is added for disinfection and residual disinfection. The remaining 10% of undesirable materials are filtered out with two dual-media filters. The filtered water is continuously monitored by online turbidimeters.

The water treatment plant pumped about 316,000 m³ out of our wells to produce the 248,000 m³ of treated water in 2022 – an efficiency of ~78%. This is dramatically down from historical efficiency of approximately 85%-90%, and is attributable to our process breakdowns with various equipment failures and a need for chemical dosing optimization.

To treat this much water, the Village of Masset used approximately 61 - 25 kilogram pails of Potassium Permanganate, 40 - 200litre drums of ClearPac 180 Solution, 9 - 25kg bags of dry Polymer powder, and 25 cylinders of Chlorine gas. This usage is consistent with past usage.

Maintaining the water reservoir level, operating pumps and managing the water plant is facilitated by a comprehensive software “SCADA” (Supervisory Control and Data Acquisition) program. If there is trouble in the treatment plant, the SCADA system will activate an alarm and dial out to Village staff until the alarm is acknowledged. Currently, there is not an active system in place to monitor the plant remotely. A plan is being implemented that would

enable the plant to be remotely monitored via cellular modem. This would replace the old system that worked with “dial-up” modems.

Water Treatment Plant Maintenance and Undertakings of 2022 and the Future

In the fall of 2018, we commissioned an engineering firm to do a comprehensive analysis of our water plant. While the plant was functioning correctly at that time, the firm identified several components of the plant that were aging and nearing “end of life.” This was reinforced by chemical pump failures in 2021. In the late spring of 2020, we finally secured a government grant to proceed with these repairs. Unfortunately, the Covid-19 Pandemic made us unable to commence this work until much later. We finally were able to begin the engineering in November of 2020, and put out the first stage of this project (Phase 1) for bid in November of 2021. Included in these “Phase 1” changes are replacement of major portions of the MCC (Master Control Centre), PLC (Programmable Logic Controller) & its HMI (Human Machine Interface) – these are all fancy acronyms for the controls of our water plant. We started this work in late 2022 and hope to complete this work during 2023.

Routine maintenance for 2022 included draining & cleaning the clarifier & flocculation tanks 3 times as well as manually cleaning the input line and flash mixer twice. We performed some maintenance on the wells and well pumps.

Water Plant Staffing

The Village is pleased that all full-time members of the Public Works staff are capable operators of the water plant. Education and training for water plant procedures continues on an on-going basis.

Monitoring Program

Monitoring of the Village of Masset’s water consists of three main components: monitoring of the raw water quality, treated water monitoring, and distribution system treated water monitoring.

Water quality monitoring begins with the monitoring at the treatment plant. Operators observe and record daily measurements of chlorine residuals, temperatures, pH, and turbidity. Water flows are recorded several times per week to spot trends leading to adjustments in the treatment processes. Computer controls in the water plant continuously monitor turbidity and pH – if the water quality falls out of acceptable ranges, the treated water is automatically sent to waste, and alarms will be activated. Staff also subjectively observe the treatment processes daily.

Water samples are taken monthly and sent for testing at an independent lab for bacteriological testing. At the time of sampling, staff also independently test water samples

for chlorine residual. These monthly samples are taken at 4 sites determined by the Northern Health Authority to be sufficiently representative of the Village of Masset's Water Distribution System – these sites are shown on a map in the appendix.

The raw water and treated water are sampled and sent to the same independent lab for mineral analysis, THM testing, and organic and inorganic parameters. These results are then compared to the Canadian Drinking Water Guidelines. Information about the parameters for Drinking Water may be found on the Health Canada website @ www.hs-sc.gc.ca. Health Canada has established Maximum Acceptable Concentrations (MAC) for some substances in the water. They have also established Aesthetic Objectives (AO) for elements of water quality that tend to affect its acceptance by users, including taste, odour, and appearance of the water. A table of Guidelines for Canadian Drinking Water Quality may be found at www.hs-sc.gc.ca/ewh-semt/pubs/water-eau/2010-sum_guides_recom/index-eng.php

Water Quality Results

Over the course of 2022, 4 bacteriological samples per month were taken and tested. (Several other samples were taken; however delays in transport resulted in the samples not being received in the lab in time, and required resampling.) We received no positive results on our bacteriological testing. Turbidity was always well under acceptable limits, except upon filter start-up. During filter start-up, or after backwashes, the filters release turbidity. This water is automatically sent to waste, ensuring that no turbid water enters our drinking water.

Village of Masset staff also sampled the water for metals, Total Organic Carbon (T.O.C.), hardness, and THM's (Trihalomethanes) multiple times in 2022. THM levels at the airport sometimes rose above the MAC level required, although the "running average" remained within acceptable tolerances. We have expanded our THM testing, and continue to monitor these levels to see what effects these changes have had. We are also working with our engineering firm to optimize our chemical dosages to lower THM's

For a more complete discussion of elements of water quality, please see the Appendix. Results of water testing may be found at www.healthspace.ca/nha

Water Distribution System

We had no major water main breaks in 2022. We did have a service disruption, when a property owner broke his water service line, and had to be repaired by Public Works staff, including shutting down one water main.

Emergency Response Plan

The Village of Masset has developed an Emergency Response Plan in case of significant events affecting water delivery. Copies are available in the Village Office.

Conclusion and Looking Forward

Water service failures to residences continue to demonstrate issues with the aging infrastructure of our water distribution system. We are pleased that we have largely replaced the water mains running under the major streets and under pavement for most of the town. Remaining are the water mains through the Circles in town, and the newer lines running through the Trumpeter Subdivision. We were greatly disappointed to not receive grant funding to cover these repairs yet. We hope that we can find sources of funding to continue our infrastructure rehabilitation plan for replacing water mains over the next few years. We plan on working with outside consultants to plan and target continued water main replacement in the future.

We are excited to have begun the major portions of our water plant repair and upgrade last year, and hope to complete "Phase 1" of this project in 2023.

The Village of Masset has updated all its water and sewer maps in 2021, bringing them all into a cloud-based GIS system. We work with our engineering partners to try and maintain a water plant that is still performing well, but has parts that are aging, or becoming obsolete. While we are fortunate to have received funding to effect some major repairs on the water plant, we continue to have to perform major maintenance and repairs until these repairs are completed.

The Village continues to monitor THM levels to try and ensure continued levels within the desired range. Bacteriological testing, metals testing, hardness testing, and Carbon testing continues.

The Village of Masset is working with Old Massett Village Council to upgrade the distribution network and metering to the "Blue Jacket" subdivision.

An investment of time and energy had to be made in the training of our more junior public works staff in running the water plant. The Village of Masset needs to continuously invest in further training its workforce in water treatment for the foreseeable future.

The employees of the Village of Masset pride themselves on their strong work ethic and desire to excel. They believe that the continual operation of the water plant and distribution system, despite various challenges, demonstrates their effective work.

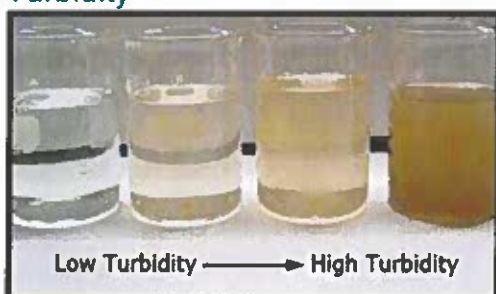
Appendices

Appendix – Water Testing Parameters

Coliforms

- No one sample should contain more than one Total Coliform per 100ml. There is to be zero E.Coli per 100ml.
- There should be no two consecutive positive samples from the same sample site location that show the presence of coliform indicators; and
- 90% of all samples must have zero Total Coliforms per 100ml sample

Turbidity



Measurements of turbidity are related to the cloudiness or optical properties of the water. Turbidity that is high means that there is more suspended particulate matter such as fine silts, sands, clays, organic and inorganic matter, microscopic organisms that are prevalent within the water column. Excessive turbidity lessens the effectiveness of disinfection - having excessively high turbidity allows for bacteria to become shielded. Units of measurement for turbidity are (NTU) Nephelometric Turbidity Unit. Upon the delivery and consumption of water, NTU should be <0.3NTU in at least 95% of the NTU measurements made or 95% of each calendar month. The NTU should never exceed 1.0 NTU at any time as these conditions can become detrimental to disinfection process achievements and allow for waterborne bacteria to become present in the water distribution system. The WTP process monitors turbidity 24/7 to ensure we are within compliance at all times.

THMs

An abbreviation of Trihalomethanes: THMs are disinfection by-products that form when chlorine is added to water that contains elevated levels of natural organic matter such as decaying leaves and vegetation. Disinfection is an essential component of public drinking water treatment. The health risks from disinfection by-products, including THMs, are much less than the risks from consuming water that has not been appropriately disinfected.² The

² http://www.ecc.gov.nl.ca/faq/thm_facts.html - from the Trihalomethanes Facts sheet, Newfoundland and Labrador website, Department of Environment and Climate Change.

current Canadian drinking water quality guideline for THMs is 100 parts per billion (ppb) or 0.100 mg/l (parts per million).

Chlorine

A Disinfecting Agent: Chlorine is a strong oxidizer which reacts with organics and organisms in water. Chlorine strength can be determined by testing for "Free Chlorine Residual" and "Total Chlorine Residual" in water. Total is primarily used to check the measurements of the Free Chlorine Residual, which is used for all testing criteria. The Village of Masset's Water Treatment Permit requires that it maintains a free chlorine residual of 0.20 parts per million (0.20mg/l) within the distribution system. Currently, we maintain a dosage of approximately 0.60 ~ 0.70 parts per million (ppm) leaving the plant to maintain a chlorine residual above .20 ppm throughout the distribution system. By comparison, the City of Vancouver doses to 1.50 ppm and re-doses back to 1.50 ppm throughout the distribution system when strength drops to 0.50 ppm.

Appendix – Map of Masset, Bacteriological Sample Sites and New Water Mains

Below is a map of Masset and its water mains, with newly installed water mains marked in blue, and the bacteriological sample sites marked in red.



Appendix – Pulling a Well Pump for Cleaning / Maintenance



Lianne trepanier

From: cao@masset.ca
Sent: February 6, 2023 9:53 AM
To: Ben Hyman
Subject: Re: Visit / presentation to Council re: Masset library

Good morning Ben

We can bring this to Council during our next meeting on February 13th and should have an answer shortly afterwards.

Cheers!

Josh

On Mon, 6 Feb 2023 05:13:56 +0000 Ben Hyman wrote:

Hi Josh,

Thanks again for fitting me into the January 23 Council meeting – much appreciated!

We received a green light to proceed to grant applications for the Masset Library Capital Project at VIRL's January 28 board meeting. Final approval will be considered at the March 24 VIRL Board meeting. The most pressing grant intake at this time is the Northern Development Initiative Trust (NDIT) – Cultural Infrastructure envelope (February 10). From that envelope, we intend to seek grant support in the amount \$100K.

As we work through the fine print, it appears that NDIT requires: “ The municipality or regional district determines whether it will provide a resolution of support for the funding request from the appropriate account. The resolution of support must clearly state the amount of the funds requested, whether the request is for a grant, loan, or combination grant /loan, and the allocation of the appropriate regional development account.”

I wonder if it might be possible for VoM Council to consider just such a resolution on short notice?

DRAFT Resolution: Motion to support Vancouver Island Regional Library's application to Northern Development Initiative Trust – Cultural Infrastructure envelope for grant funding in the amount \$100K towards the development of a new Masset Library.

Apologies for short notice, and many thanks for considering.

Take care

B

Cell 2507401404

From: cao@masset.ca <cao@masset.ca> **Date:** Monday, January 9, 2023 at 9:36 AM **To:** Ben Hyman <BHyman@virl.bc.ca> **Cc:** 'Lianne Tripanier' <admin@masset.ca> **Subject:** RE: Visit / presentation to Council re: Masset library

Good morning

We will get you in at the beginning of the meeting (Jan 23rd). Is 20 minutes enough time?

Joshua Humphries

Chief Administrative Officer

Village of Masset | Box 68, Masset BC, V0T 1M0

T: 250.626.3995 | F: 250.626.3968 | email: cao@masset.ca

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From: Ben Hyman <BHyman@virl.bc.ca> **Sent:** January 4, 2023 9:52 AM **To:** cao@masset.ca **Subject:** Re: Visit / presentation to Council re: Masset library

Lianne trepanier

From: Joann Brown <cfo@masset.ca>
Sent: February 7, 2023 2:23 PM
To: admin@masset.ca
Subject: FW: Community Hall Rental May 19 to 21, 2023

-----Original Message-----

From: mistvis@citywest.ca [mailto:mistvis@citywest.ca]
Sent: February 7, 2023 12:45 PM
To: cfo@masset.ca
Cc: mistvis@citywest.ca
Subject: Community Hall Rental May 19 to 21, 2023

Hello,

This email is to formally request the use of the Community Hall from Friday, May 19 to the afternoon of Sunday, May 21, 2023. Our fellowship is an anonymous group that focuses solely on drug and alcohol free living and providing support to those wanting to achieve and maintain that lifestyle.

Our fellowship Group, Masset, Haida Gwaii, has been selected for our District (Prince Rupert, Terrace, Kitimat, Masset) to host the first Roundup gathering in nearly 4 years due to the pandemic.

We have guest speakers from Las Vegas, Sechelt and Terrace and also plan to host several recovery meetings, a dinner (May 20, 2023) and breakfast (May 21, 2023). We have limited our ticket sales at \$95 each to 100 off island tickets due to the unknown availability of local accommodations and eating options. As of this email we have sold nearly 70 tickets. We understand that the Community Hall has a maximum capacity of 200 people and don't anticipate any number near that to attend. We also want to make the request of use of the kitchen for the dinner (catered) and pancake breakfast prepared by Group members for Sunday morning.

This event will showcase Masset to many people coming to the event from off island and provide a positive message to the hope of healthy living and stimulate the local economy financially. We need to know as soon as possible if we will be given the use of the Community Hall as travel and accommodation by those attending from off island need to be booked. We don't know of any other viable options for a venue to host this event at Masset.

If we cannot host we need to let the other District communities know so one of them can host the Roundup. We would also need to refund current ticket holders. Should you have further questions please contact me at this email or cell at 250 641-3397.

To view the poster for this event please select the link:
massetroundup2023.ca

Regards.

Garry O

JAN 16 2023

January 16, 2023

Development Variance Application 1836-1838 Balsam Crs., Masset, BC, V0T 1M0
Plan: PR: P42151+ P42157Lot: 22+23

Applicants:

Dustin Rushworth
3267 Whittier Avenue
Victoria, BC V8Z 3R1

Donald Mcneice
PO Box 282
Sandspit, BC V0T 1M0

To: Joshua Humphries, CAO, Village of Masset

Please find this Variance Development Application to recognize existing structure built prior to adoption of zoning Bylaw NO.422,1994 adopted November 9, 1994 and variances granted under permit 1111 issued May 20, 2008 & permit # 27 issued July 21 2022.

The existing structure was built around 1971-72 and later offered for sale after creating a public community under Bylaw NO.422,1994.

The structure was substantially renovated in 2008 under VOM permit # 1111, issued May 20th, 2008 at which time the footprint was altered to what is currently in place.

The structure was damaged by fire then reconstructed on the existing footings, foundation and floor in 2022/23 under VOM permit # 27 issued July 21, 2022.

Although we followed the permit application process that was in place at the time it was brought to our attention by VOM that a procedural error occurred which would require the application of a Variance Development permit.

The existing footprint of 2361 sqft plus boat coverage of 544 sq ft totals 2905 sqft over an area of 10580 sqft (27.5%) coverage therefore under 33% allowable coverage (Bylaw NO.422, 1994- Section 303.4).

The existing structure height of 29.5' therefore under the 36' allowed (Bylaw NO.422,1994- Section 303.2).

We respectfully request the submitted plans be recognized and formally accepted.


Dustin Rushworth


Donald Mcneice

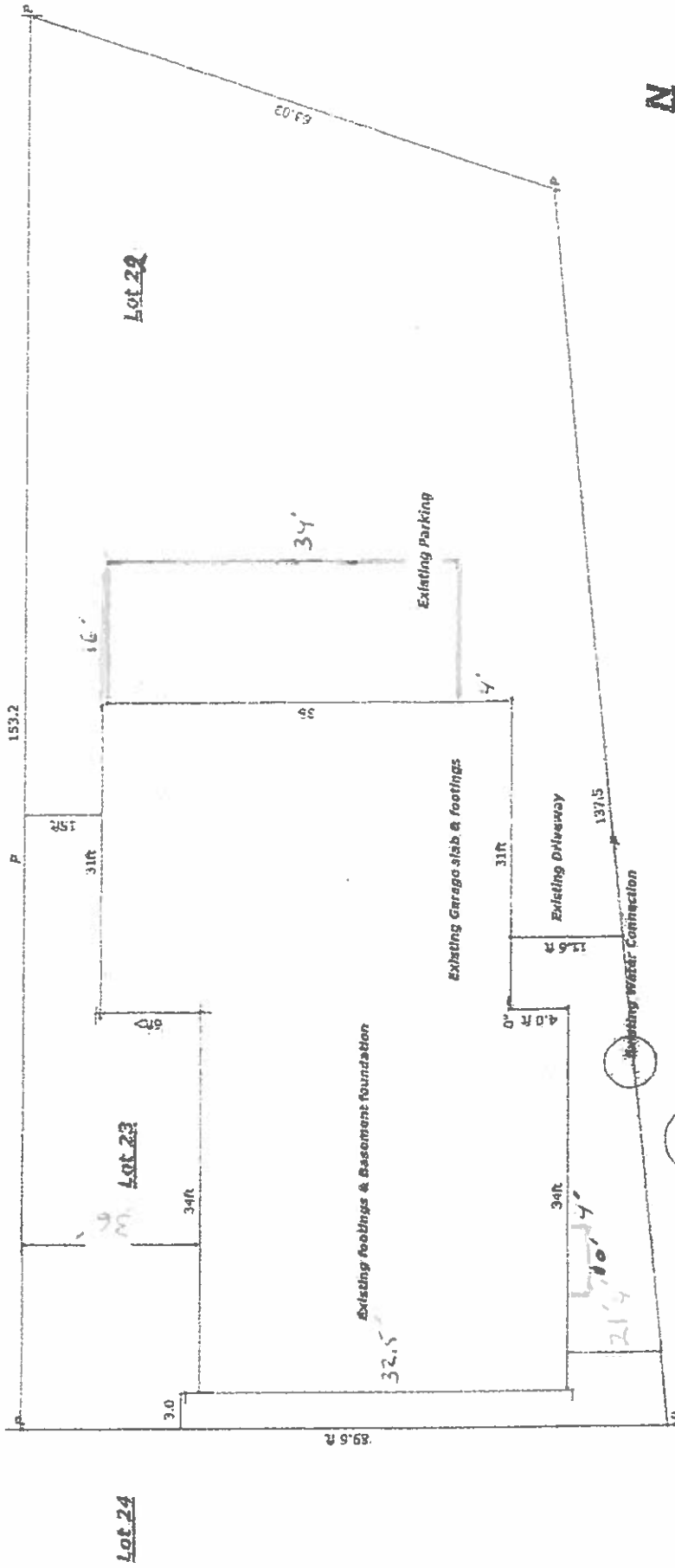
JAN 16 2023

Reidley Roshwirth

Hodges Avenue

Existing property pin

Total lot area, 983m² 10580 sf



Balsam Crescent

Reidley Roshwirth
Jan 16/23