

The Bugaboo Plumbing Co.

◆ Plumbing ◆ Heating ◆ Gasfitting ◆

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To Whom it May Concern,

Nov 30, 2018

I have reviewed the water treatment systems in all dwellings at 1962 Palumbo Heights. The attached document is a complete and accurate description of the components in use in these systems. All dwellings are utilizing large storage tanks, sediment filtration and UV water treatment. The current water system is satisfactory.

A handwritten signature in black ink, reading "X B Seabloom", written over a horizontal line.

Breanne Seabloom
President

DESCRIPTION OF CURRENT WATER SYSTEMS - NOVEMBER 2018

PROPOSED LOT A:

- * **PROPOSED LOT A HAS BEEN OCCUPIED SINCE 2005**
- * **THE ORIGINAL SUBDIVISION WELL IS UTILIZED.(PURCHASED - 2000)**
- * **WATER IS PUMPED UP TO THE HOUSE, AND PASSED THROUGH A COURSE PARTICLE FILTER**
- * **WATER IS STORED IN 2 - 1,250 IMP. GALLON CISTERNS IN THE BASEMENT OF THE HOUSE**
- * **WATER IS FILTERED THROUGH: 5 MICRON SEDIMENT FILTER
5 MICRON BLOCK CARBON FILTER
"UVMAX" D4 ULTRA VIOLET FILTER**
- * **WATER IS THEN HEATED AND SOFTENED, AS REQUIRED, AND PUMPED THROUGH THE HOUSE.**

PROPOSED LOT B

- * **PROPOSED LOT B HAS BEEN OCCUPIED SINCE 2002**
- * **THE WATER SYSTEM EMPLOYS TWO WELLS THAT WERE DRILLED AFTER THE ORIGINAL SUBDIVISION
(PLEASE REFER TO THE ATTACHED SKETCH)**
- * **THE WATER IS PUMPED FROM THE WELLS TO THE ORIGINAL HOUSE WHERE THE WATER
IS PASSED THROUGH: 20 MICRON SEDIMENT FILTER
5 MICRON SEDIMENT FILTER
BLOCK CARBON FILTER
ULTRAVIOLET FILTER SYSTEM**
- * **WATER IS THEN HELD IN AN 1,850 GALLON STORAGE TANK IN THE ORIGINAL HOUSE
AND A 660 GALLON STORAGE TANK IN THE GARAGE SUITE.**
- * **WATER IS THEN PUMPED TO EACH BUILDING , AND HEATED AS REQUIRED.**

Customer:

Location:

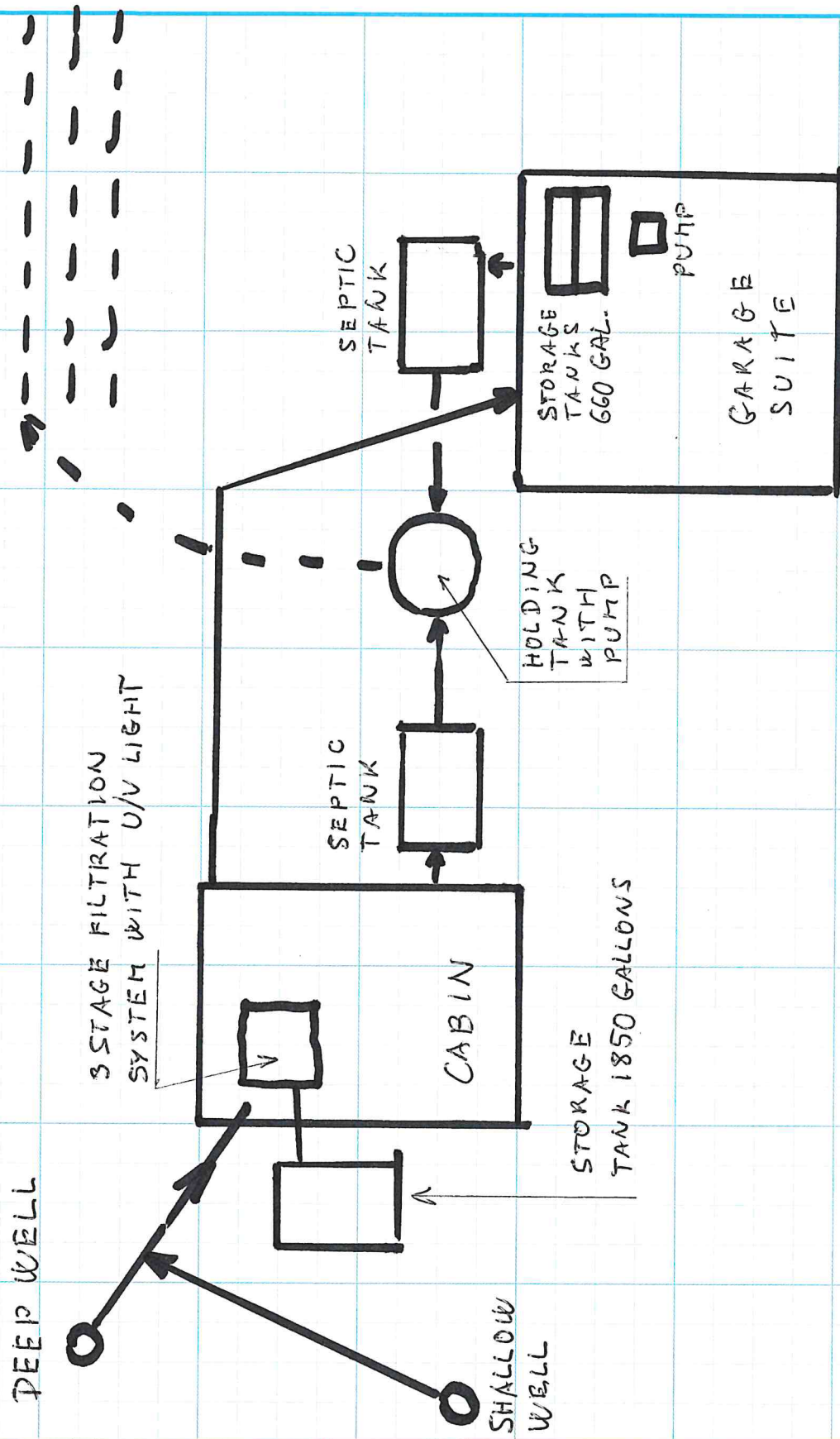
Designation:

Job #:

Date:

By:

Sheet:



Brian Comrie

Phone: (250) 348-2005 **Lab Number:** 84826

Fax:

Email: brianandjillcomrie@gmail.com **PO Number:**

Sample Info: #1

Sampled By:

Date Sampled:

Date Received: 11/19/2018

Date Reported: 11/22/2018

Analyte	Units	Result	Canadian Drinking Water Guideline Maximum
Calcium	mg/L	0.4	No Guideline
Iron	mg/L	<0.03	AO: 0.3
Magnesium	mg/L	0.1	No Guideline
Manganese	mg/L	<0.01	AO: 0.05
Potassium	mg/L	3.6	No Guideline
Sodium	mg/L	190	AO: 200
Bicarbonates	mg/L	501	No Guideline
Bromides	mg/L	<0.01	No Guideline
Carbonates	mg/L	0	No Guideline
Chlorides	mg/L	3.7	AO: 250
Fluorides	mg/L	0.13	MAC: 1.5
Nitrates as N	mg/L	0.10	MAC: 10
Nitrites as N	mg/L	<0.002	MAC: 1
NO ₃ + NO ₂ as N	mg/L	0.10	No Guideline
Sulfates	mg/L	18	AO: 500

Parameter	Units	Result	Canadian Drinking Water Guideline Maximum
Electrical Conductivity	µS/cm	680	No Guideline
pH	pH	8.12	AO: 7.0 - 10.5
Hardness (as CaCO ₃)	mg/L	1	No Guideline
Total Alkalinity (as CaCO ₃)	mg/L	411	No Guideline
P-Alkalinity (as CaCO ₃)	mg/L	0	No Guideline
Hydroxide (as CaCO ₃)	mg/L	0	No Guideline
Total Dissolved Solids (calculated)	mg/L	463	AO: 500

WSH Labs (1992) Ltd. as per: _____

Sum of Cations	8.38	TDS / EC Ratio	0.68
Sum of Anions	8.71	Sodium Adsorption Ratio	69.57
Ion Balance	0.96	Saturation Index	-1.12

< denotes less than detection limit. TNTC = Too Numerous To Count (>80 colonies). MAC = Maximum Acceptable Concentration. AO = Aesthetic Objective.

OG = Operational Guidance Value. Guidelines for Canadian Drinking Water Quality are provided courtesy of Health Canada, February 2017.

Accredited by CALA to ISO/IEC 17025 for specific tests. The results above are related only to the items analyzed.

Control No: WSH-BKW-022818-Rev1.0

Brian Comrie

Phone: (250) 348-2005 **Lab Number:** 84827

Fax:

Email: brianandjillcomrie@gmail.com **PO Number:**

Sample Info: #2

Sampled By:

Date Sampled:

Date Received: 11/19/2018

Date Reported: 11/22/2018

Analyte	Units	Result	Canadian Drinking Water Guideline Maximum
Calcium	mg/L	106	No Guideline
Iron	mg/L	0.03	AO: 0.3
Magnesium	mg/L	45.2	No Guideline
Manganese	mg/L	<0.01	AO: 0.05
Potassium	mg/L	3.1	No Guideline
Sodium	mg/L	38	AO: 200
Bicarbonates	mg/L	616	No Guideline
Bromides	mg/L	<0.01	No Guideline
Carbonates	mg/L	0	No Guideline
Chlorides	mg/L	3.5	AO: 250
Fluorides	mg/L	0.56	MAC: 1.5
Nitrates as N	mg/L	0.05	MAC: 10
Nitrites as N	mg/L	<0.002	MAC: 1
NO ₃ + NO ₂ as N	mg/L	0.05	No Guideline
Sulfates	mg/L	27	AO: 500

Parameter	Units	Result	Canadian Drinking Water Guideline Maximum
Electrical Conductivity	µS/cm	817	No Guideline
pH	pH	7.90	AO: 7.0 - 10.5
Hardness (as CaCO ₃)	mg/L	451	No Guideline
Total Alkalinity (as CaCO ₃)	mg/L	505	No Guideline
P-Alkalinity (as CaCO ₃)	mg/L	0	No Guideline
Hydroxide (as CaCO ₃)	mg/L	0	No Guideline
Total Dissolved Solids (calculated)	mg/L	526	AO: 500

WSH Labs (1992) Ltd. as per: _____

Sum of Cations	10.74	TDS / EC Ratio	0.64
Sum of Anions	10.79	Sodium Adsorption Ratio	0.78
Ion Balance	1.00	Saturation Index	1.16

< denotes less than detection limit. TNTC = Too Numerous To Count (>80 colonies). MAC = Maximum Acceptable Concentration. AO = Aesthetic Objective.

OG = Operational Guidance Value. Guidelines for Canadian Drinking Water Quality are provided courtesy of Health Canada, February 2017.

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