

***COMMITTEE OF THE WHOLE
AGENDA
June 20, 2016
1:00 p.m.
Council Chamber***

Committee of the Whole is the initial venue for review of issues. No voting takes place on bylaws or resolutions. A decision is made to send an item to Council for debate and vote or to send an item back to staff for more information or clarification before proceeding to Council. The meeting is live streamed and recorded by the City of Maple Ridge.

Note: If required, there will be a 15-minute break at 3:00 p.m.

Chair: Acting Mayor

1. *DELEGATIONS/STAFF PRESENTATIONS* – (10 minutes each)

1:00 p.m.

- 1.1 Proposed Telus Cell Tower, Webster's Corners**
 - Ted Archibald
- 1.2 Proposed Telus Cell Tower, Webster's Corners**
 - Ray Savola
- 1.3 Proposed Telus Cell Tower, Webster's Corner**
 - Angie Anderlini, Webster's Corners Community Association

2. *PUBLIC WORKS AND DEVELOPMENT SERVICES*

Note: Owners and/or Agents of Development Applications may be permitted to speak to their applications with a time limit of 10 minutes.

Note: The following items have been numbered to correspond with the Council Agenda:

1101 2016-145-RZ, 11749 and 11761 Burnett Street, RS-1 to RM-2

Staff report dated June 20, 2016 recommending that Maple Ridge Zone Amending Bylaw No. 7252-2016 to rezone from RS-1 (One Family Urban Residential) to RM-2 (Medium Density Apartment Residential) for a five storey rental apartment building containing approximately 64 rental suites on top of an underground parking structure be given first reading; and that the applicant provide further information as described on Schedules C, D and E, of the Development Procedures Bylaw No. 5879-1999, along with the additional information described in the report.

1102 2014-040-RZ, 24138 Lougheed Highway, RS-3 to RS-2

Staff report dated June 20, 2016 recommending that Maple Ridge Zone Amending Bylaw No. 7221-2016 to rezone from RS-3 (One Family Rural Residential) to RS-2 (One Family Suburban Residential) to permit future subdivision into two residential lots be deferred.

1103 DVP/078/10, 24211 113 Avenue

Staff report dated June 20, 2016 recommending that the Corporate Officer be authorized to sign and seal DVP/078/10 respecting property located at 24211 113 Avenue to allow front yard setbacks to be reduced for lot 4 and lot 1 and to allow the road right of way width to be reduced and the cul-de-sac bulb to be partially constructed.

1104 2016-060-DVP, 26011 Dewdney Trunk Road

Staff report dated June 20, 2016 recommending that the Corporate Officer be authorized to sign and seal 2016-060-DVP respecting property located at 26011 Dewdney Trunk Road, and that an encroachment agreement be prepared and issued to the property owner, and that the Corporate Officer be authorized to sign and seal and encroachment agreement.

1105 2016-180-DVP, 24348, 24351, 24353, 24359, 24363 and 24373 113 Avenue

Staff report dated June 20, 2016 recommending that the Corporate Officer be authorized to sign and seal 2016-180-DVP respecting properties located at 24348, 24351, 24353, 24359, 24363 and 24373 113 Avenue to allow a reduction in the required minimum side yard setbacks.

1106 2015-181-SD, 5% Money in Lieu of Parkland Dedication, 12117 Laity Street

Staff report dated June 20, 2016 that the owner of land proposed for subdivision at 12117 Laity Street, under application 2015-181-SD, shall pay to the City of Maple Ridge an amount that is not less than \$69,000.

1107 Drinking Water Quality Report 2015

Staff report dated June 20, 2016 providing information on the regulatory framework and water quality monitoring data for 2015.

3. *FINANCIAL AND CORPORATE SERVICES (including Fire and Police)*

1131 Disbursements for the month ended May 31, 2016

Staff report dated June 20, 2016 recommending that the disbursements for the month ended May 31, 2016 be received for information.

1132 2015 Annual Report and 2015 Statement of Financial Information

Staff report dated June 20, 2016 recommending that the 2015 Annual Report be received and that the 2015 Statement of Financial Information be approved.

The Annual Report is available for viewing on the City of Maple Ridge website at <http://www.mapleridge.ca/163/Annual-Report>

1133 2016 Community Grants

Staff report dated June 20, 2016 recommending that the proposed allocation of Community Grants be approved.

4. *COMMUNITY DEVELOPMENT AND RECREATION SERVICES*

1151 Bid to Host the BC Summer Games 2020 or 2022

Staff report dated June 20, 2016 recommending that staff prepare a bid to host the 2020 or 2022 BC Summer Games, subject to endorsement by School District No. 42, and that a one time municipal budget commitment of \$45,000 in cash, and a minimum of \$50,000 of in-kind support, be shared proportionately according to the agreement between the City of Maple Ridge and the City of Pitt Meadows.

1152 Sport and Physical Activity Strategy

Staff report dated June 20, 2016 recommending that the Sport and Physical Activity Strategy be endorsed.

1153 Albion Sport Field Lighting Contract

Staff report dated June 20, 2016 recommending that the contract for the supply and installation of LED playfield lighting at Albion Sports Complex be awarded to Boileau Electric & Pole Ltd.

5. ADMINISTRATION

1171 2016 Council Expenses

Staff report dated June 20, 2016 providing on update on Council expenses to the end of May 2016.

6. CORRESPONDENCE

1181

7. OTHER ISSUES

1191

8. ADJOURNMENT

9. ***COMMUNITY FORUM***

COMMUNITY FORUM

The Community Forum provides the public with an opportunity to speak with Council on items that are of concern to them, with the exception of Public Hearing by-laws that have not yet reached conclusion.

Each person will be permitted 2 minutes to speak or ask questions (a second opportunity is permitted if no one else is sitting in the chairs in front of the podium). Questions must be directed to the Chair of the meeting and not to the individual members of Council. The total time for this Forum is limited to 15 minutes.

If a question cannot be answered, the speaker will be advised when and how a response will be given.

Council will not tolerate any derogatory remarks directed at Council or staff members.

Other opportunities are available to address Council including public hearings and delegations. The public may also make their views known to Council by writing or via email and by attending open houses, workshops and information meetings. Serving on an Advisory Committee is an excellent way to have a voice in the future of this community.

For more information on these opportunities contact:

Clerk's Department at **604-463-5221** or **clerks@mapleridge.ca**
Mayor and Council at **mayorandcouncil@mapleridge.ca**

Checked by: _____
Date: _____

City of Maple Ridge

TO:	Her Worship Mayor Nicole Read and Members of Council	MEETING DATE:	June 20, 2016
FROM:	Chief Administrative Officer	FILE NO:	2016-145-RZ
		MEETING:	C of W
SUBJECT:	First Reading Zone Amending Bylaw No. 7252-2016 11749 and 11761 Burnett Street		

EXECUTIVE SUMMARY:

An application has been received to rezone the subject property from RS-1 (One Family Urban Residential) to RM-2 (Medium Density Apartment Residential) for a five storey rental apartment building containing approximately 64 1, 2 and 3 bedroom rental suites on top of an underground parking structure with approximately 76 parking spaces. To proceed further with this application additional information is required as outlined below.

The proposed development is not subject to the Community Amenity Contribution Policy because this is for rental housing and the subject site is in the Town Centre Area.

RECOMMENDATIONS:

That Zone Amending Bylaw No. 7252-2016 be given first reading; and

That the applicant provide further information as described on Schedules C, D and E of the Development Procedures Bylaw No. 5879-1999, along with the additional information as described in this report.

DISCUSSION:

a) Background Context:

Applicant:	Quantum Properties Sienna Inc.
Owner:	Quantum Properties Sienna Inc.
Legal Description:	Lot 1 Section 17 Township 12 Plan NWP8312 and Lot 1 Section 17 Township 12 Plan NWP8312
OCP:	
Existing:	Low-Rise Apartment
Proposed:	Low-Rise Apartment
Zoning:	
Existing:	RS-1 (One Family Urban Residential)
Proposed:	RM-2 (Medium Density Apartment Residential)

Surrounding Uses:

North:	Use:	Residential
	Zone:	RS-1 (One Family Urban Residential)
	Designation:	Low-Rise Apartment
South:	Use:	Commercial
	Zone:	CS-1 (Service Commercial)
	Designation:	Town Centre Commercial
East:	Use:	Residential
	Zone:	RS-1 (One Family Urban Residential)
	Designation:	Urban Residential
West:	Use:	Commercial
	Zone:	CS-1 (Service Commercial)
	Designation:	Town Centre Commercial

Existing Use of Properties:	Vacant
Proposed Use of Property:	Multi-family Residential
Site Area:	0.262 HA. (0.65 acres)
Access:	Burnett Avenue
Servicing requirement:	Urban Standard

b) Site Characteristics:

The subject site is flat with some mature trees and shrubs in the setback areas of the former houses on each of the two lots. These trees will likely be removed to permit the proposed apartment building and underground parking structure. The lands to the south are automotive-related commercial that front Loughheed Highway, with access both to the Highway and Burnett Avenue. North are two properties with existing houses and low and medium density apartments further to the north. To the west is a commercial site with a number of restaurants. Burnett Avenue is the eastern boundary of the Town Centre Area. The properties to the east are Urban Residential, with some proposals to permit infill lot subdivision.

c) Project Description:

The proposal is for a five (5) storey rental apartment building containing approximately 64 rental suites (37 one bedroom, 20 two bedroom and 7 three bedroom) on top of an underground parking structure with approximately 76 parking spaces, seven of which are intended to be for visitors and two of which are disabled parking spaces.

At this time the current application has been assessed to determine its compliance with the Official Community Plan (OCP) and provide a land use assessment only. Detailed review and comments will need to be made once full application packages have been received. A more detailed analysis and a further report will be required prior to second reading. Such assessment may impact proposed lot boundaries and yields, OCP designations and Bylaw particulars, and may require application for further development permits.

d) Planning Analysis:

Official Community Plan:

The development site is located within the East Precinct of the Town Centre Area Plan and is currently designated Low Rise Apartment.

The following policies apply to this proposal:

Town Centre Area Plan Policy 3-10

Land assembly or lot consolidation proposed in conjunction with development, redevelopment, conversion, or infilling should meet the following conditions:

- a. *That any residual lots or remaining land parcels are left in a configuration and lot area which are suitable for a future development proposal, or can be consolidated with other abutting residual lots or land parcel and complies with the applicable Land-Use Designations and Policies of Section 3.3 of this Plan;*

There will be two lots, forming a site of approximately the same size, adjacent to this proposal and an existing multi-residential building further to the north. It is anticipated that the adjacent site could accommodate a similar project in the future. Therefore, the proposal complies with this policy.

Town Centre Area Plan Policy 3-22

All Low-Rise Apartment developments should be a minimum of three (3) storeys and a maximum of five (5) storeys in height.

The proposal will comply with this height range envisioned by the policy.

OCP Policy 3 - 31

Maple Ridge supports the provision of rental accommodation and encourages the construction of rental units that vary in size and number of bedrooms. Maple Ridge may also limit the demolition or strata conversion of existing rental units, unless District-wide vacancy rates are within a healthy range as defined by the Canada Mortgage and Housing Corporation.

The applicant has provided a healthy mix of 1, 2 and 3 bedroom sized units to comply with the intent of this policy, achieving a good mix in the size and the number of bedroom units. Three bedroom units would accommodate families with children.

A Housing Agreement as well as the detail submission from the applicant will formalise the proposed floor plans with this housing mix.

OCP Policy 3 - 32

Maple Ridge supports the provision of affordable, rental and special needs housing throughout the District. Where appropriate, the provision of affordable, rental, and special needs housing will be a component of area plans.

The proposal is in compliance with this policy as it provides rental accommodation in the City.

OCP Policy 3 – 33

Maple Ridge will encourage housing that incorporates “age-in-place” concepts and seniors housing designed to accommodate special needs.

The applicant will be asked to consider modifying the proposal to have some units constructed in accordance with SAFERhome standards. Other projects in the Town Centre Area have provided about 10% of their units constructed to this standard to accommodate aging in place in accordance with this policy.

A revised floor plan identifying units for aging in place will be explored with the applicant to be reflected in the detail submission from the applicant at a later date.

Community Amenity Contribution (CAC) Policy:

The project is exempt from payment of the per-unit Community Amenity Contribution (CAC) fees; because it is located in the Town Centre Area and is a 100% rental project. However, the project will still need to incorporate the usual common areas and amenities for the convenience and health of the future residents such as indoor recreation/common room space, outdoor open space, public art, pedestrian furniture, child play furniture, etc.

Provision of public art within the architectural expression of proposed building will be explored with the applicant and included in the detailed submission with the Development Permit Application.

Housing Action Plan:

The establishment and retention of new rental housing stock is a Council priority. The Housing Action Plan was endorsed by Council on September 15, 2014, with a further report to be submitted to Council on June 20, 2016 on short term actions to facilitate the development of more rental housing in Maple Ridge.

This proposal meets many of the objectives of the Housing Action Plan, and a Housing Agreement will ensure that the rental units will be retained.

Zoning Bylaw:

The current application proposes to rezone the properties located at 11749 and 11761 Burnett Street from RS-1 (One Family Urban Residential) to RM-2 (Medium Density Apartment Residential) to permit a five (5) storey rental apartment building containing approximately 64 1 and 2 bedroom rental suites on top of an underground parking structure with about 76 parking spaces.

The initial analysis by the applicant shows that the building will have Floor Space Ratio (FSR) of 1.75. This will comply with the maximum permitted FSR of 1.8 in the RM-2 Zone. Under the new Zoning Bylaw, the height requirement for RM-2 sites in the Town Centre Area is being increased from 4 to 5 storeys maximum (11 to 18 metres building height) and the density will also be increased from 1.8 to 2.2 FSR with all bonus provisions being applied.

A variance will be required to vary the building height from a maximum of 4 storeys to 5 storeys and to increase the maximum height measurement. This would be consistent with Policy 3-22 stated above as well as the proposed five (5) storey maximum height for the RM-2 Zone in the proposed New Zoning Bylaw. Therefore, the proposed height variance aligns with the future RM-2 Zone.

However, due to the additional storey, the verticality of the building will need to be addressed to be in compliance with the Multiple Residential Development Permit Guidelines when the full application is submitted following Council consideration of first reading. Preliminary staff comments on this matter has requested that the architect consider having a stronger horizontal expression without significantly modifying the plan by defining base, middle and top elements using materials and fenestration.

This and any other variations from the requirements of the proposed zone will require a Development Variance Permit application.

Development Permits:

Pursuant to Section 8.11 of the OCP, a Town Centre Development Permit application is required for all multi-family residential, flexible mixed use and commercial development located in the Town Centre.

A full application will need to address the above mentioned conceptual design concerns, describe how the Key Guideline Concepts for neighbourhood context, form and character, scale and pedestrian environment are addressed and assess compliance with the development permit form and character guidelines.

Advisory Design Panel:

With the above noted matters addressed, a Town Centre Area Development Permit is required and must be reviewed by the Advisory Design Panel prior to Second Reading.

Development Information Meeting:

A Development Information Meeting is required for this application. Prior to second reading the applicant is required to host a Development Information Meeting (DIM) in accordance with Council Policy 6.20.

e) Interdepartmental Implications:

In order to advance the current application, after first reading, comments and input, will be sought from the various internal departments and external agencies listed below:

- a) Engineering Department;
- b) Operations Department;
- c) Fire Department;
- d) Building Department;
- e) School District;; and
- f) Canada Post.

The above list is intended to be indicative only and it may become necessary, as the application progresses, to liaise with agencies and/or departments not listed above.

This application has not been forwarded to the Engineering Department for comments at this time; therefore, an evaluation of servicing requirements has not been undertaken. This evaluation will take place between first and second reading.

f) Development Applications:

In order for this application to proceed the following information must be provided, as required by Development Procedures Bylaw No. 5879-1999 as amended:

1. A complete Rezoning Application (Schedule C);
2. A Multi-Family Residential Development Permit Application (Schedule D); and
3. A Development Variance Permit (Schedule E);

This development will also be subject to the site being consolidated, adjusting the design for the verticality of the proposed building, provision of 3-tiered storm water management plan, tree cutting permit, provision of public art, adjusting the unit mix, including SAFERhome standards units and entering into a rental housing agreement to secure the rental as well as a portion of the units to be built as adaptive housing.

The above list is intended to be indicative only, other applications may be necessary as the assessment of the proposal progresses.

CONCLUSION:

The development proposal is in compliance with the OCP, therefore, it is recommended that Council grant first reading subject to additional information as outlined in Section f) of this report being provided and assessed prior to second reading.

“Original signed by Adrian Kopystynski”

Prepared by: Adrian Kopystynski, MCIP, RPP, MCAHP
Planner

“Original signed by Christine Carter”

Approved by: Christine Carter, M.PL, MCIP, RPP
Director of Planning

“Original signed by Frank Quinn”

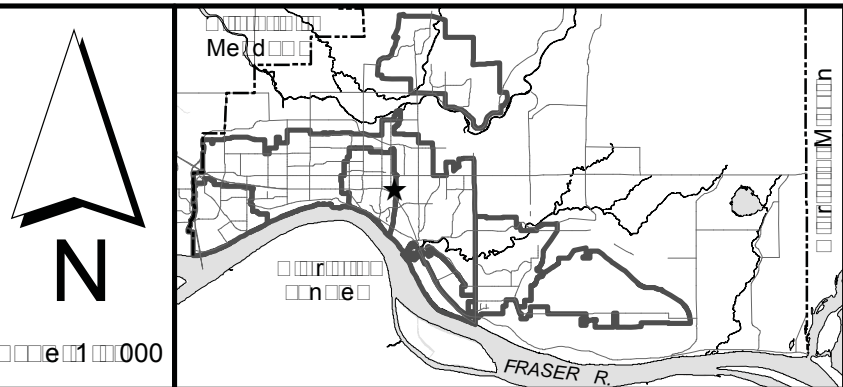
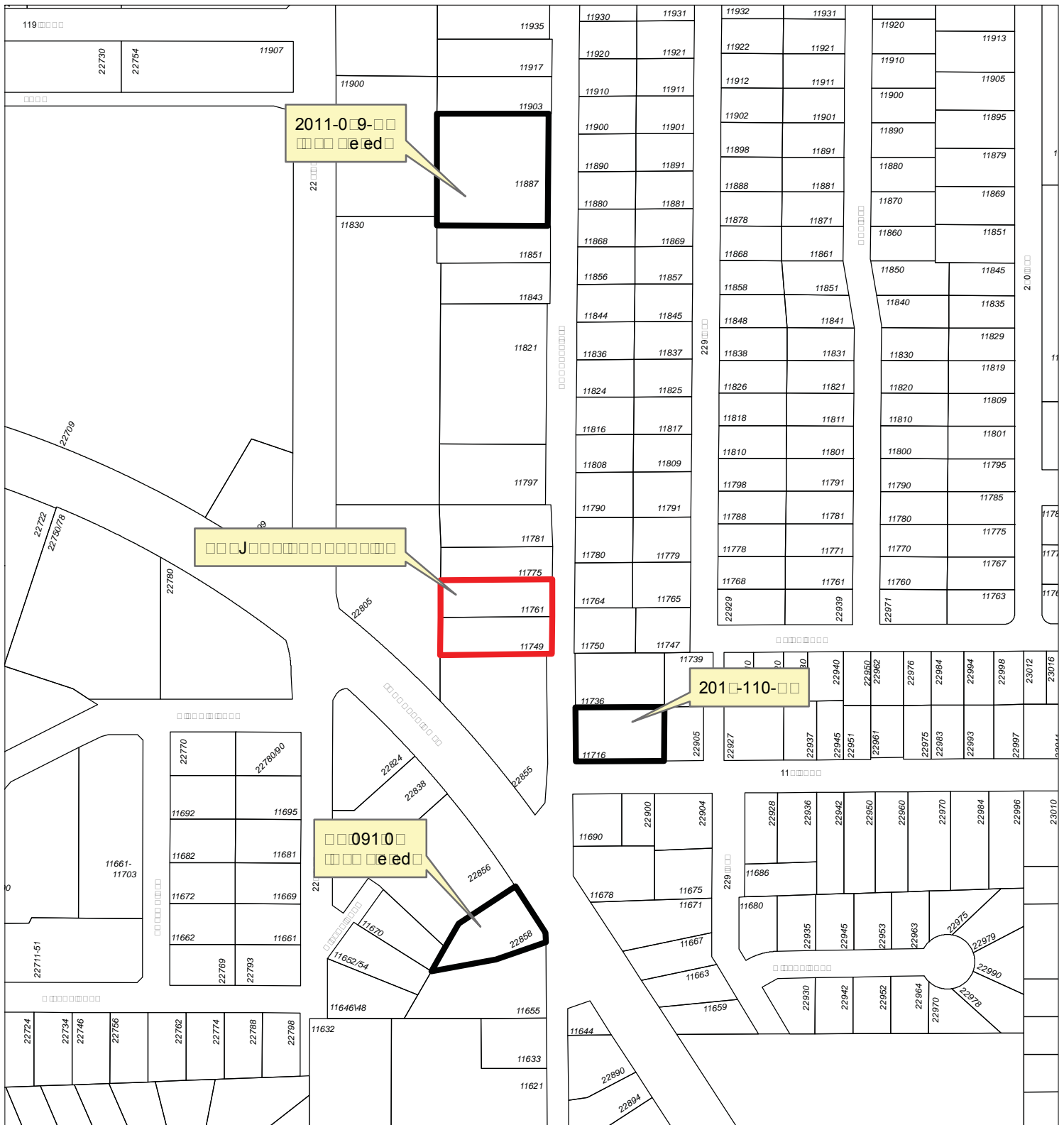
Approved by: Frank Quinn, MBA, P. Eng
GM: Public Works & Development Services

“Original signed by Paul Gill” for


Concurrence: E.C. Swabey
Chief Administrative Officer

The following appendices are attached hereto:

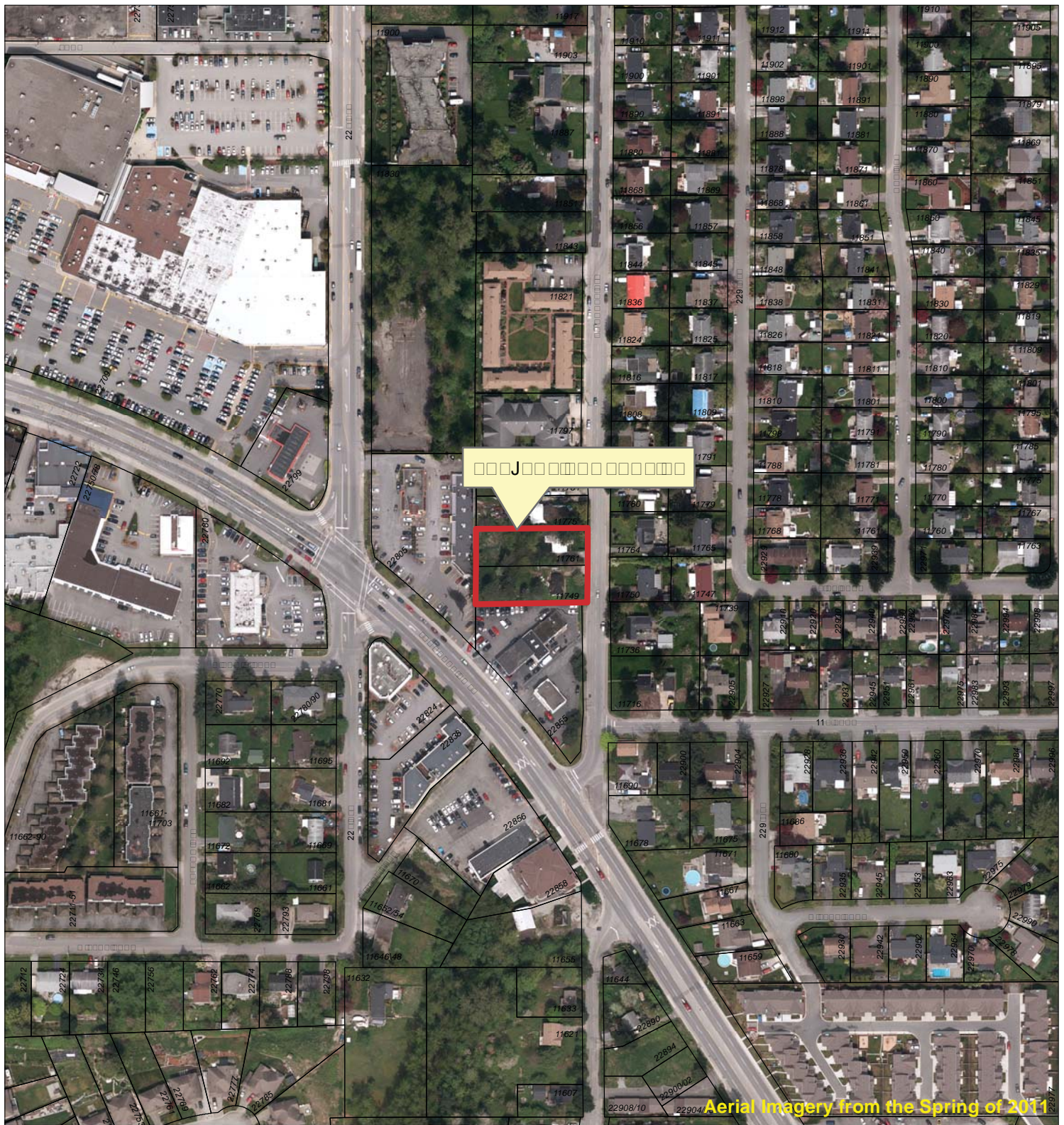
Appendix A – Subject Map
Appendix B – Ortho Map
Appendix C – Zone Amending Bylaw No. 7252-2016
Appendix D – Proposed Site Plan



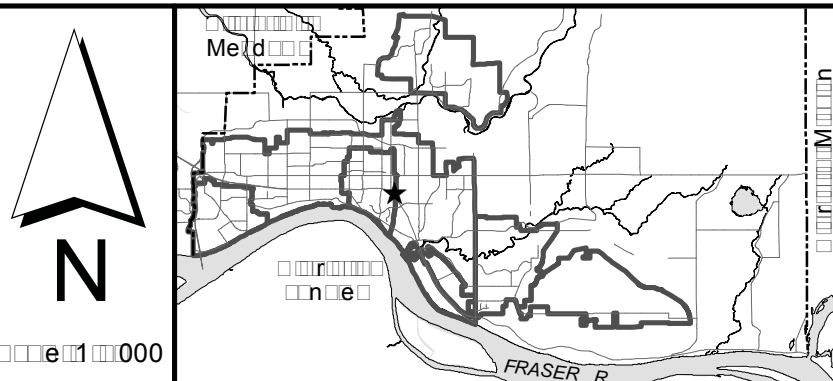
11 961


MAPLE RIDGE
British Columbia
mapleridge.ca

2016-1-1
Jun 1 2016



Aerial Imagery from the Spring of 2011



11 9 61



2016-1
2016

APPENDIX C

CITY OF MAPLE RIDGE

BYLAW NO. 7252-2016

A Bylaw to amend Map "A" forming part of Zoning Bylaw No. 3510 - 1985 as amended

WHEREAS, it is deemed expedient to amend Maple Ridge Zoning Bylaw No. 3510 - 1985 as amended;

NOW THEREFORE, the Municipal Council of the City of Maple Ridge enacts as follows:

1. This Bylaw may be cited as "Maple Ridge Zone Amending Bylaw No. 7252-2016."
2. Those parcel (s) or tract (s) of land and premises known and described as:

Lot 1 Except: North 55 feet, Section 17 Township 12 New Westminster District
Plan 8312

The North 55 feet of Lot 1 Section 17 Township 12 New Westminster District
Plan 8312

and outlined in heavy black line on Map No. 1678 a copy of which is attached hereto and forms part of this Bylaw, are hereby rezoned to RM-2 (Medium Density Apartment Residential).

3. Maple Ridge Zoning Bylaw No. 3510 - 1985 as amended and Map "A" attached thereto are hereby amended accordingly.

READ a first time the _____ day of _____, 20_____

READ a second time the _____ day of _____, 20_____

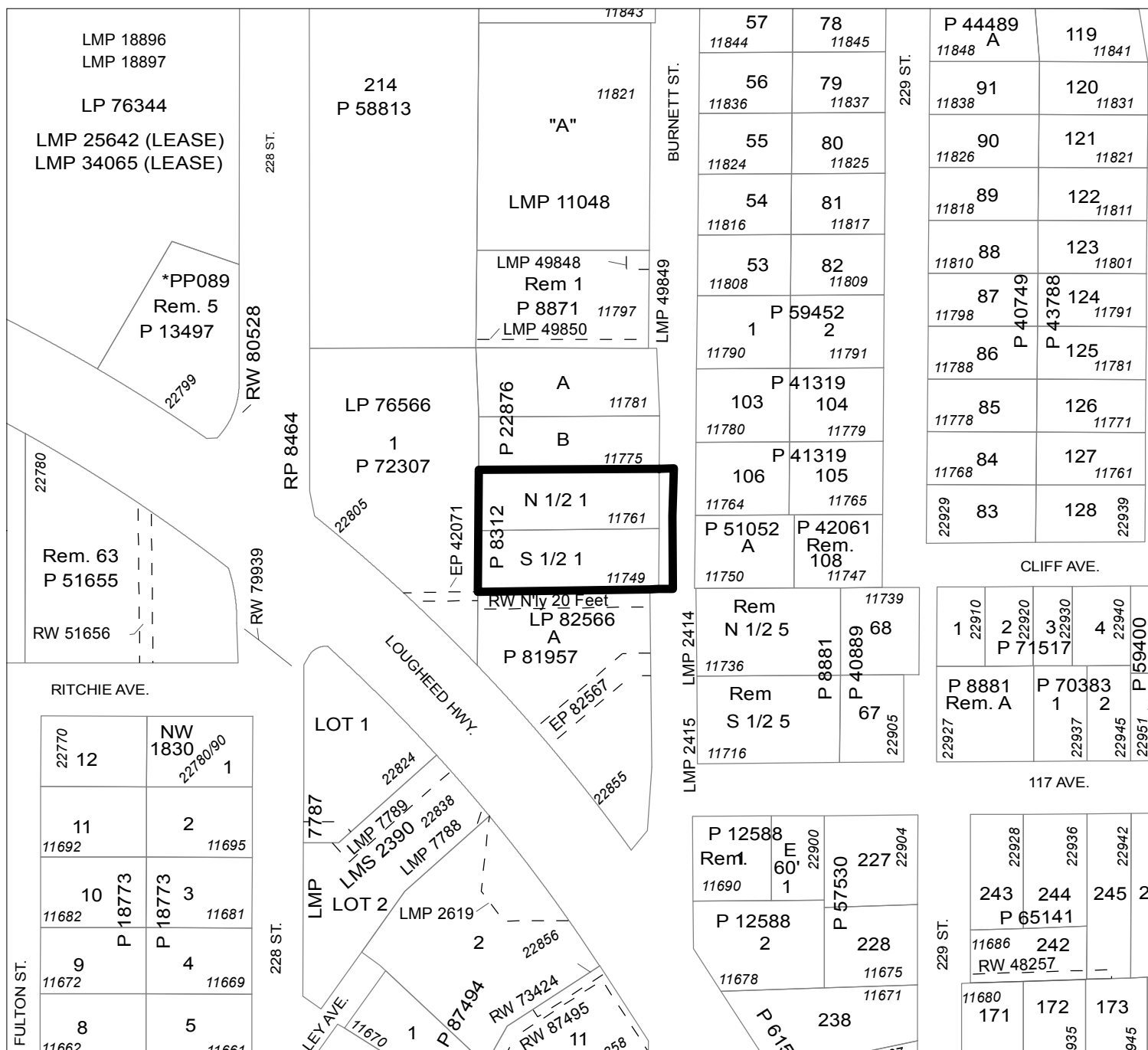
PUBLIC HEARING held the day of , 20

READ a third time the _____ day of _____, 20_____

ADOPTED, the day of , 20

PRESIDING MEMBER

CORPORATE OFFICER



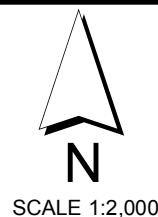
MAPLE RIDGE ZONE AMENDING

Bylaw No. 7252-2016

Map No. 1678

From: RS-1 (One Family Urban Residential)

To: RM-2 (Medium Density Apartment Residential)

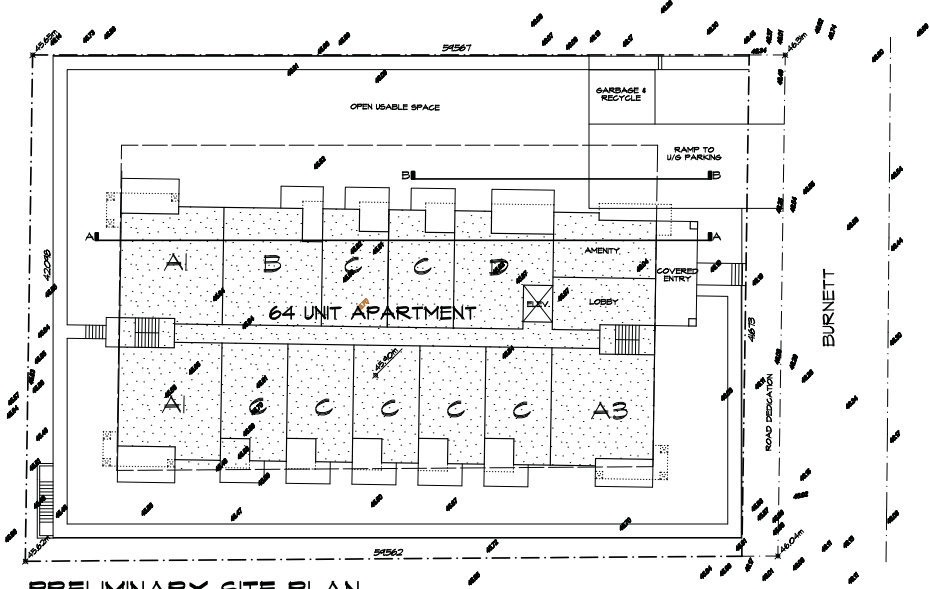


SITE RECONCILIATION

LOT AREA	- 0.62 ACRES
EXISTING ZONE	- RS 1
ALLOWABLE DENSITY	- 16
PROPOSED DENSITY	- 175
ALLOWABLE LOT COVERAGE	- 80%
	- 20% USABLE OPEN SPACE
PROPOSED LOT COVERAGE	- 95%
ALLOWABLE HEIGHT	- 4 STOREYS
PROPOSED HEIGHT	- 5 STOREYS
REQUIRED SETBACK	- 7.5m
PROPOSED SETBACK	- 7.5m
PARKING	- 74 STALLS REQUIRED
	- 10 STALL / 1 BEDROOM UNIT = 6.4
	- 0.10 STALL / ADDITIONAL BEDROOM = 3.4
	- 0.10 VISITOR STALLS PER UNIT = 6.4
	- 76 STALLS PROVIDED
AVERAGE GRADE CALC.	- 45.65m
	- 45.67m
	- 46.04m
	- 46.2 m
	- 30562 / 4 = 45,90m

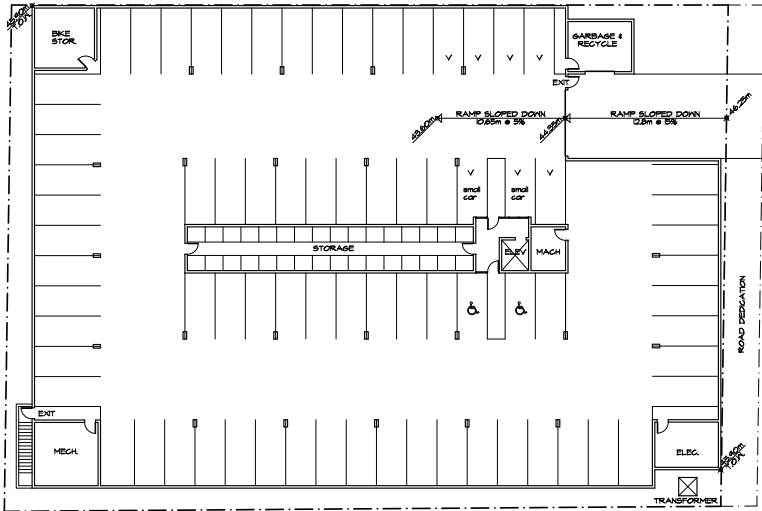
SUITE SUMMARY

A1	2 SUITES	818 SQ. FT.	TWO BEDROOM
A2	8 SUITES	846 SQ. FT.	TWO BEDROOM
A3	7 SUITES	846 SQ. FT.	THREE BEDROOM
B	5 SUITES	744 SQ. FT.	TWO BEDROOM
C	95 SUITES	528 SQ. FT.	ONE BEDROOM
D	5 SUITES	665 SQ. FT.	TWO BEDROOM
E	2 SUITES	846 SQ. FT.	ONE BEDROOM
	64 SUITES		



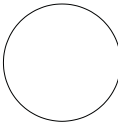
PRELIMINARY SITE PLAN

SCALE : 1/16" = 1'-0"



UNDERGROUND PARKING PLAN

SCALE : 1/16" = 1'-0"



JUNE 8/16 - ADDED 3 BEDROOM UNITS
REVISIONS:

THIS DRAWING IS THE PROPERTY OF POINTS WEST ARCHITECTURE AND MAY NOT BE USED, REPRODUCED OR REPRODUCED IN ANY WAY WITHOUT EXPRESS WRITTEN PERMISSION.

CONSULTANT:

points west
ARCHITECTURE

303 - 3840 W. Burnet Rd.
Austin, TX 78759
PHONE: 512-444-3888
FAX: 512-444-3888
info@pointswestarch.com

PROJECT:
**SIENNA
CONDOMINIUMS**

1749 & 1761 BURNETT
MARLE RIDGE, BC

DATE :	SEPTEMBER 15, 2011
SCALE :	1/16" = 1'-0"
DRAWN :	WF

DRAWING TITLE :
**PRELIMINARY
SITE PLAN AND
UNDERGROUND
PARKING PLAN**

JOB NO. :	SHEET NO. :
1110	P-1

City of Maple Ridge

TO: Her Worship Mayor Nicole Read
and Members of Council
FROM: Chief Administrative Officer
MEETING DATE: June 20, 2016
FILE NO: 2014-040-RZ
MEETING: C of W
SUBJECT: First Reading
Zone Amending Bylaw No. 7221-2016
24138 Lougheed Highway

EXECUTIVE SUMMARY:

An application has been received to rezone the subject property located on 24138 Lougheed Highway from RS-3 (One Family Rural Residential) to RS-2 (One Family Suburban Residential) to permit future subdivision into two residential lots. To proceed further with this application additional information is required as outlined below. Pursuant to Council resolution, this application is exempt from the Community Amenity Contribution Program.

The Maple Ridge Commercial and Industrial Strategy has identified a few potential areas for industrial development. The Suburban Residential designated subject property is within one of these identified areas, which have been recognized by Council as requiring further investigation to assess this potential. On March 18, 2016 Council directed that further review of these lands East and West of the Kwantlen First Nations Lands take place. Council also wishes to pursue further dialogue with Kwantlen First Nations. Given this this work has yet to be undertaken, this application could be considered premature.

In addition, on May 23, 2016 Council has directed staff to prepare a report on the Suburban Residential land use designation noting concerns with this form of development. The report is scheduled for July 2016.

RECOMMENDATIONS:

That Zone Amending Bylaw No. 7221-2016 be deferred, pending the outcomes of the feasibility analysis to determine the employment generating potential of the site area, and completion of the Suburban Residential land use review.

DISCUSSION:

a) Background Context:

Applicant: Brad Currie
Owner: Hue Yun and Lee Hwa

Legal Description: Lot 7 except part in plan LMP28323, D.L. 407, Group 1, New Westminster Plan 33984

OCP:	Existing:	Suburban Residential
Zoning:	Existing:	RS-3 (One Family Rural Residential)
	Proposed:	RS-2 (One Family Suburban Residential)
Surrounding Uses:		
North:	Use:	Single Family Residential
	Zone:	RS-3 (One Family Rural Residential)
	Designation:	Suburban Residential
South:	Use:	Single Family Residential
	Zone:	RS-3 (One Family Rural Residential) and RS-2 (One Family Suburban Residential)
	Designation:	Suburban Residential
East:	Use:	Single Family Residential
	Zone:	RS-2 (One Family Suburban Residential)
	Designation:	Suburban Residential
West:	Use:	Single Family Residential
	Zone:	RS-3 (One Family Rural Residential)
	Designation:	Suburban Residential
Existing Use of Property:		Residential
Site Area:		1.15 ha (2.8 acres)
Access:		River Road, with access easement (MOTI requirement)
Servicing requirement:		Rural Standard

b) Site Characteristics:

The subject property is approximately 1.15 ha. (2.8 acres) in size, is generally flat in the centre and south-east side, with significant slopes along the north, north-east, south-west and west side. The existing home on site will remain.

c) Project Description:

The current application proposes to rezone the subject property from RS-3 (One Family Rural Residential) to RS-2 (One Family Suburban Residential) to permit future subdivision into two residential lots, not less than 4,000 m² (1 acre). The proposed lot sizes of 4,072m² and 7,402 m² will ensure compatibility with existing lots in the surrounding neighbourhood. The existing residence will remain on the western portion of the property, with the new lot created on the eastern portion. (See Appendix D) The existing home currently has direct access from Loughheed Highway. The Ministry of Transportation and Infrastructure (MOTI) requires that access to be closed and provide a new access from River Road for both proposed lots. An access easement will need to be registered on proposed Lot 1, to provide access to Lot 2.

A Natural Features Development Permit will be required due to the steep slopes on site. The applicant has provided a detailed, color coded survey, to show the slope assessment that was done for the Geotechnical Report by Valley Geotechnical, updated and forwarded on June 8, 2015. At the Subdivision stage, the steep slopes will be protected by a restrictive covenant.

At this time the current application has been assessed to determine its compliance with the Official Community Plan (OCP) and provide a land use assessment only. Detailed review and comments will

need to be made once full application packages have been received. A more detailed analysis and a further report will be required prior to second reading. Such assessment may impact proposed lot boundaries and yields, OCP designations and Bylaw particulars, and may require application for further development permits.

The site has been identified as a possible job creation site in accordance with the Commercial/Industrial Strategy. The site and its neighbourhood is characterised by large character homes built on the bluff overlooking the Fraser River. Staff has prepared a Workshop report for April 18, 2016 to update the Commercial/Industrial Strategy. An investigation has not yet taken place and its results may have some impact on the subject application.

d) Planning Analysis:

Official Community Plan:

The subject property is designated Suburban Residential in the OCP. The Suburban Residential land use designation permits single detached and duplex housing in areas located outside of the Urban Area Boundary that may have water service but which are not connected to the municipal sanitary sewer system. Lot sizes within this land use designation are generally 0.4 hectares in size.

The proposal as submitted does comply with the intent of the OCP, however, Council has recently directed that further studies be done, which makes this application premature. The following section of this report discusses the Commercial Industrial Strategy and Suburban Residential land use review.

Official Community Plan – Industrial Policies

Section 6 of the Official Community Plan speaks directly to the issue of employment in the Official Community Plan in that it recognizes the need to diversify the tax base and create more jobs in Maple Ridge in order to become a more balanced community. Section 6.4.1 states:

To accommodate the long term demand for industrial lands, Maple Ridge needs to create an additional industrial area or areas of about 80 to 120 hectares (200 to 300 acres).

One of the objectives that support the above noted statement is:

To create a larger more diverse industrial sector that offers greater employment opportunities for residents, generates additional investment, enhances local businesses and creates a larger tax base to pay for municipal services and amenities.

Building further on that objective, Policy 6-41 states the following:

The identification of additional employment generating lands is a priority for the District. Following the completion of an Agricultural Plan, and as a component of a comprehensive review of the Urban Area Boundary Maple Ridge will evaluate alternate locations for a large block or blocks of additional employment generating land to support the growth of the employment sector in the future. Location parameters for suitable industrial land may include, but is not limited to:

- a) land that is relatively flat;*
- b) land that is conducive to industrial development;*
- c) land that is contiguous to a full range of municipal services;*
- d) land that is strategically located near the Regional transportation network.*

Although significant site challenges are present, the subject property was included in the areas identified for consideration of employment generating purposes in the Commercial and Industrial Strategy.

COMMERCIAL AND INDUSTRIAL STRATEGY

The Commercial and Industrial Strategy was endorsed by Council on August 25, 2014. Key messages for Industrial lands within the Strategy include the following:

- Create Incentives to improve the potential of Albion Industrial Area;
 - Consider additional employment uses in the Albion Flats, including light industrial & office;
 - Restrict non-industrial uses from industrial areas;
 - Retain existing industrial lands;
 - Create new Zone to encompass light industrial uses adjacent to residential areas;
 - Re-designate additional lands for employment generating purposes
- These key messages are a reflection of the future challenges facing Maple Ridge to improve opportunities for its economic base. Recommended actions include the retention and identification of additional lands for generating employment.

On December 2, 2013, Council provided direction for addressing potential employment generating lands, which included the subject site. The Council resolution was as follows:

“That staff be directed to obtain a more detailed site analysis [of each identified location] to determine feasibility as employment generating lands. OR – For this work to be completed as part of development application information”.

Council developed this direction further by endorsing the Commercial and Industrial Strategy Implementation Plan Matrix at the October 5, 2015 Workshop. Along with other potential areas, the subject property was included in the Immediate Term time horizon for 2016 of the Implementation Plan Matrix.

The Implementation Plan Matrix recognized that further review was required to determine site suitability. For the subject property and its vicinity, further ground-truthing is required to determine if this concept is feasible given site constraints due to access, watercourses and topography.

At the April 18, 2016 Council Workshop, Council directed a feasibility assessment to review the lands to the East and to the West of the Kwantlen First Nation. In addition, Council wanted dialogue to commence with Kwantlen First Nation in order to anticipate and proceed with complimentary land uses. As Council is reviewing the desired direction for this area, this application could be considered premature.

Official Community Plan – Suburban Residential uses

Recently Council has denied a number of applications to rezone from RS-3 (One Family Rural Residential) to RS-2 (One Family Suburban Residential) 1 acre lots in the Suburban Residential land use designation. On May 24, 2016 Council directed staff to prepare a report on the Suburban Residential land use designation noting concerns with this form of development. The report is scheduled for July 2016.

Zoning Bylaw:

The current application proposes to rezone the property located at 24138 Lougheed Highway from RS-3 (One Family Rural Residential) to RS-2 (One Family Suburban Residential) to permit future subdivision into 2 residential lots. The minimum lot size for the current RS-3 (One Family Rural Residential) zone is 8,000 m² (2 acres), and the minimum lot size for the proposed RS-2 (One Family Suburban Residential) zone is 4,000 m² (1 acre). Any variations from the requirements of the proposed zone will require a Development Variance Permit application.

Development Permits:

Pursuant to Section 8.10 of the OCP, a Natural Features Development Permit application is required for all development and subdivision activity or building permits for:

- All areas designated Conservation on Schedule “B” or all areas within 50 metres of an area designated Conservation on Schedule “B”, or on Figures 2, 3 and 4 in the Silver Valley Area Plan;
- All lands with an average natural slope of greater than 15 %;
- All floodplain areas and forest lands identified on Natural Features Schedule “C”

to ensure the preservation, protection, restoration and enhancement of the natural environment and for development that is protected from hazardous conditions.

As the subject property has steep slopes, it is subject to the NFDP guidelines.

e) Interdepartmental Implications:

In order to advance the current application when a feasibility analysis supports this application, after first reading, comments and input will be sought from the various internal departments and external agencies listed below:

- a) Engineering Department;
- b) Operations Department;
- c) Economic Development;
- d) Fire Department;
- e) Licenses, Permits and Bylaws;
- f) School District;
- g) Ministry of Transportation and Infrastructure; and
- h) Canada Post.

The above list is intended to be indicative only and it may become necessary, as the application progresses, to liaise with agencies and/or departments not listed above.

A previous application for an identical proposal to subdivide the subject property into two residential lots (2011-033-RZ) expired after first reading. The application was referred to the Ministry of Transportation and Infrastructure in 2012. Their response: “Both the new parcel and the remainder parcel need to have alternative access to a municipal road. The Provincial Approving Officer will not approve the subdivision to have access to Highway 7.” The applicant has been working with the owner to implement this requirement into the current application.

This application has not been forwarded to the Engineering Department for comments at this time; therefore, an evaluation of servicing requirements has not been undertaken. We anticipate that this evaluation will take place between first and second reading.

f) Development Applications:

In order for this application to proceed when a feasibility analysis supports this application, the following information must be provided, as required by Development Procedures Bylaw No. 5879-1999 as amended:

1. A complete Rezoning Application (Schedule B);
2. A Natural Features Development Permit Application (Schedule G) ; and
3. A Subdivision Application.

The above list is intended to be indicative only, other applications may be necessary as the assessment of the proposal progresses.

g) Alternatives

The recommendation is to defer this application, to be consistent with previous Council direction to first assess the sites employment generating potential and review the Suburban Residential land use designation. However, it should also be noted that this proposal is in compliance with the Official Community Plan and the current land use designation of the subject property. On this basis, Council may wish to consider giving this application first reading.

Alternatively, Council may wish to deny the application, due to its intent to create one additional 1 acre residential lot in the suburban area.

CONCLUSION:

The development proposal for two suburban residential lots is in compliance with the OCP. However, given the context of the subject property in relation to the Commercial and Industrial Strategy and the potential for this site as employment generating lands, and Council's concern with Suburban Residential development, this application is considered premature.

The proposed layout has not been reviewed in relation to the relevant bylaws and regulations governing subdivision applications. Any subdivision layout provided is strictly preliminary and must be approved by the City of Maple Ridge's Approving Officer.

"Original signed by Therese Melser"

Prepared by: **Therese Melser**
 Planning Technician

"Original signed by Christine Carter"

Approved by: **Christine Carter, M.PL, MCIP, RPP**
 Director of Planning

"Original signed by Frank Quinn"

Approved by: **Frank Quinn, MBA, P. Eng**
 GM: Public Works & Development Services

"Original signed by Kelly Swift" for

Concurrence: **E.C. Swabey**
 Chief Administrative Officer

The following appendices are attached hereto:

Appendix A – Subject Map

Appendix B – Ortho Map

Appendix C – Zone Amending Bylaw No. 7221-2016

Appendix D – Proposed Subdivision Plan



Diagram illustrating four different ways to represent the word "reindeer" using a color bar and a sequence of boxes:

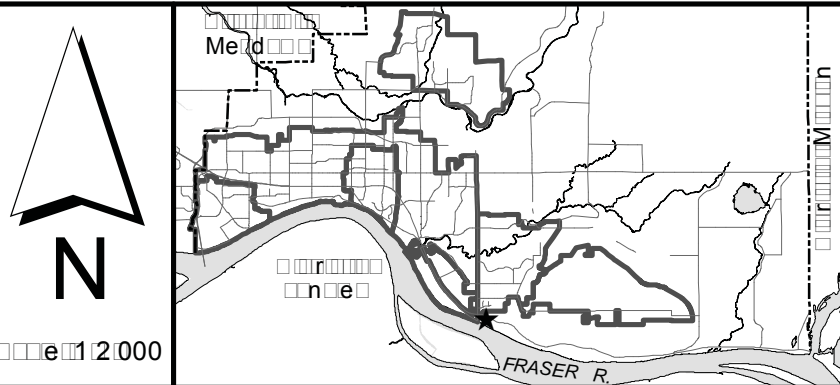
- 1. A solid blue bar followed by boxes containing "re" and two empty boxes.
- 2. A dashed blue bar followed by boxes containing "nde", "n", "e", "ree", and one empty box.
- 3. A solid blue bar followed by boxes containing "er" and two empty boxes.
- 4. A solid blue bar followed by boxes containing "M", "r", "er", and seven empty boxes.

2 1



2010-00-00
000000Jun162016

□□□J□



2011



2011-01-01
2011-01-01

0000

CITY OF MAPLE RIDGE

BYLAW NO. 7221-2016

A Bylaw to amend Map "A" forming part of Zoning Bylaw No. 3510 - 1985 as amended

WHEREAS, it is deemed expedient to amend Maple Ridge Zoning Bylaw No. 3510 - 1985 as amended;

NOW THEREFORE, the Municipal Council of the City of Maple Ridge enacts as follows:

1. This Bylaw may be cited as "Maple Ridge Zone Amending Bylaw No. 7221-2016."
2. That parcel or tract of land and premises known and described as:

Lot 7 Except: Part in Plan LMP28323; District Lot 407 Group 1 New Westminster
District Plan 33984

and outlined in heavy black line on Map No. 1663 a copy of which is attached hereto and forms part of this Bylaw, is/are hereby rezoned to RS-2 (One Family Suburban Residential).

3. Maple Ridge Zoning Bylaw No. 3510 - 1985 as amended and Map "A" attached thereto are hereby amended accordingly.

READ a first time the day of , 20

READ a second time the day of , 20

PUBLIC HEARING held the day of , 20

READ a third time the day of , 20

APPROVED by the Ministry of Transportation and Infrastructure this day of , 20

ADOPTED, the day of , 20

PRESIDING MEMBER

CORPORATE OFFICER

APPENDIX D



Terra Pacific
Land Surveying Ltd

22371 St. Anne Avenue, Maple Ridge, BC
Phone: 604-463-2509 Fax: 604-463-4501

Client:

Yun Hue IL

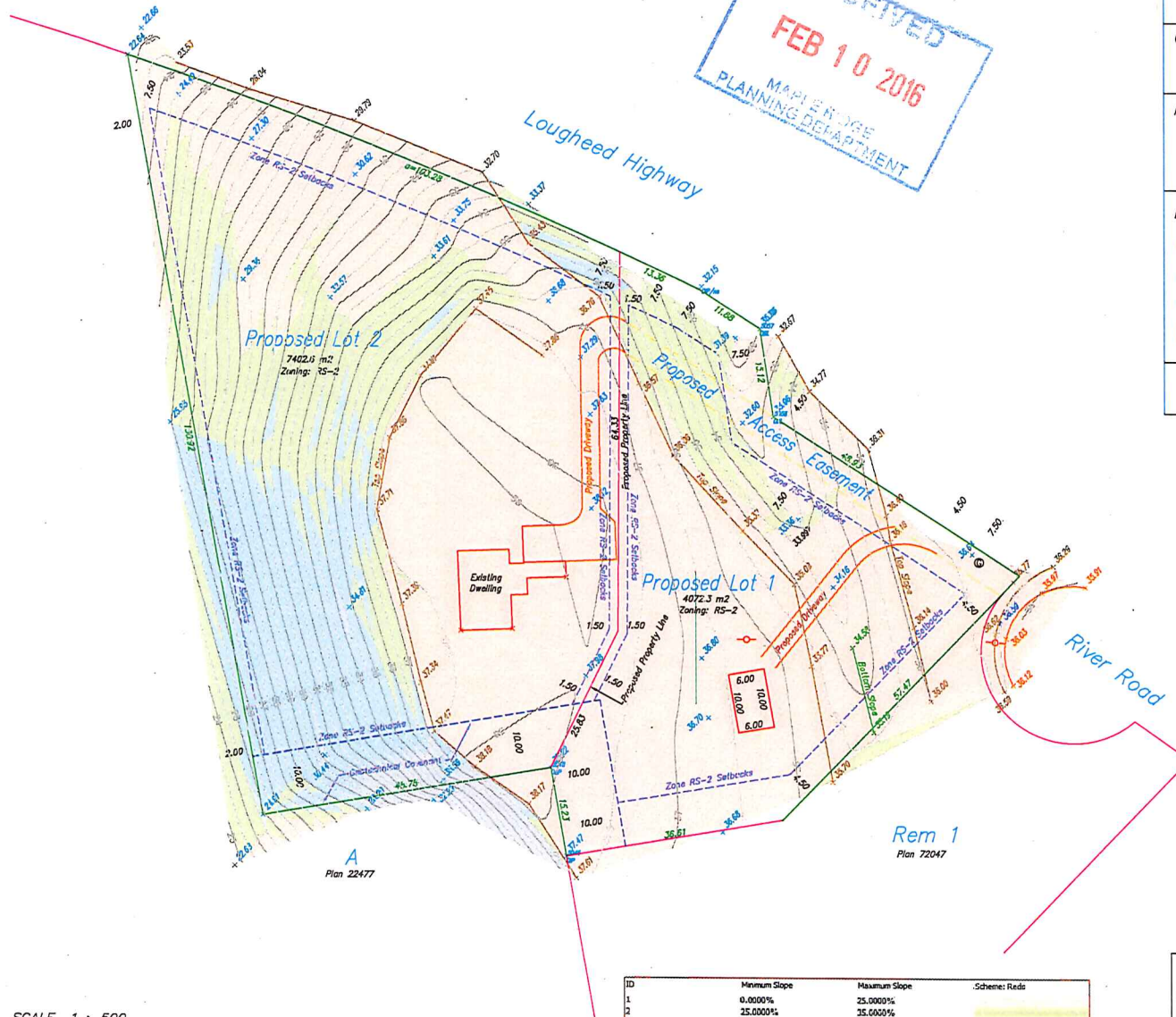
Project:

24138 Lougheed Highway
Maple Ridge, BC

Drawing Title:

Proposed Subdivision Over
Lot 7 Except: Part In Plan
LMP28323; District Lot 407
Group 1 NWD Plan 33984

File: MR11-672 Proposed Sub Sketch



ID	Minimum Slope	Maximum Slope	Scheme: Reds
1	0.0000%	25.0000%	
2	25.0000%	35.0000%	
3	35.0000%	50.0000%	
4	50.0000%	100.0000%	

Legend:

- x Ground Elevation
- Guy Wire
- Monitoring Well
- Power Pole
- ⊕ Gas Marker

Certified Correct
This 20th Day Of January, 2016

Mike Bernemann, BCLS

City of Maple Ridge

TO: Her Worship Mayor Nicole Read
and Members of Council
FROM: Chief Administrative Officer

MEETING DATE: June 20, 2016
FILE NO: DVP/078/10
MEETING: CoW

SUBJECT: Development Variance Permit
24211 113 Avenue

EXECUTIVE SUMMARY:

Development Variance Permit application DVP/078/10 has been received in conjunction with rezoning and subdivision application to permit a seven lot subdivision. The requested variances are to:

1. *Maple Ridge Zoning Bylaw No. 3510 -1985, Part 6, Section 601, C (9). c) (i):* To reduce the front yard setback for proposed lot 4 from 6 metres (20 ft) to 2.8 metres (9 ft); and to reduce the front yard setback for proposed lot 1 from 6 (20 ft) to 3.8 metres (12 ft).
2. *Subdivision and Development Services Bylaw No. 4800-1993, Schedule C –Required Road Right-of-Way Widths:* To reduce the road right-of-way width for the proposed limited local urban street from 15 metres (49 ft) to 14.5 metres (47.6 ft), and to partially construct the cul-de-sac bulb.

Council will be considering final reading for rezoning application RZ/078/10 on June 28, 2016. It is recommended that Development Variance Permit DVP/078/10 be approved.

RECOMMENDATION:

That the Corporate Officer be authorized to sign and seal DVP/078/10 respecting property located at 24211 113 Avenue.

DISCUSSION:

a) Background Context

Applicant: WSP Group
Owner: 0885535 BC Ltd.

Legal Description: Lot: 13, Section: 15, Township: 12, Plan: 50696
OCP:

Existing: Low Density Residential, Conservation

Zoning:
Existing: RS-3 (One Family Rural Residential)
Proposed: RS-1d (One Family Urban (Half Acre) Residential)

Surrounding Uses:

North:	Use:	Single Family Residential
	Zone:	RS-3 (One Family Rural Residential)
	Designation:	Agricultural

South:	Use:	Single Family Residential
	Zone:	RS-3 (One Family Rural Residential)
	Designation:	Low Density Residential, Conservation
East:	Use:	Single Family Residential, Conservation
	Zone:	RS-3 (One Family Rural Residential)
	Designation:	Low Density Residential, Conservation
West:	Use:	Single Family Residential
	Zone:	RS-3 (One Family Rural Residential), RS-1 (One Family Urban Residential)
	Designation:	Low Density Residential, Conservation
Existing Use of Property:		Single Family Residential
Proposed Use of Property:		Single Family Residential
Site Area:		0.813 ha (2 acres)
Access:		113 Avenue
Servicing requirement:		Urban Standard
Concurrent Applications:		RZ/078/10, 2015-260-SD, DP/078/10

b) Project Description:

The subject property is located in the Albion Area Plan and is surrounded by single family residences to the north, east, and west; and is bordered by 113 Avenue to the south. The applicant proposes to subdivide the property into seven single family lots that will be accessed via a new local road. Environmentally sensitive land will be dedicated as park through the rezoning process.

c) Variance Analysis:

The Zoning Bylaw establishes general minimum and maximum regulations for single family development. The Subdivision and Development Servicing Bylaw establishes regulations for the subdivision and development of property. A Development Variance Permit allows Council some flexibility in the approval process. The requested variances and rationale for support are described below.

1. *Maple Ridge Zoning Bylaw No. 3510 -1985, Part 6, Section 601, C (9). c) (i):* To reduce the front yard setback from for proposed lot 4 from 6 metres (20 ft) to 2.8 metres (9 ft); and to reduce the front yard setback for proposed lot 1 from 6 metres (20 ft) to 3.8 metres (12 ft).

The variance for proposed lot 4 is to allow retention of the existing home on one of the newly created lots. The variance for proposed lot 1 is to ensure that there is sufficient useable backyard which is not encumbered by the Habitat Protection Covenant.

2. *Subdivision and Development Services Bylaw No. 4800-1993, Schedule C –Required Road Right-of-Way Widths:* To reduce the road right-of-way width for the proposed limited local urban street from 15 metres (49 ft) to 14.5 metres (47.6 ft), and to and to partially construct the cul-de-sac bulb.

This variance is required because a portion of the new road will be constructed on the property to the east when that property develops in the future. The required services for the subject development have been demonstrated to fit within the reduced road right-of-way. The width variance is supportable due to Note 1 (a) and (b) of Schedule C in the *Subdivision and Development Services Bylaw*, which states that:

Where a highway right-of-way width is less than the required minimum provided for in this Schedule, the Approving Officer may approve the subdivision where he is satisfied that:

- (a) all required services can be provided within a smaller right-of-way; and
- (b) the required right-of-way width may be satisfied in the future by obtaining the dedication of necessary lands from other lands abutting the right-of-way upon later subdivision;

d) Citizen Implications:

In accordance with the *Development Procedures Bylaw No. 5879-1999*, notice of Council consideration of a resolution to issue a Development Variance Permit was mailed to all owners or tenants in occupation of all parcels, any parts of which are adjacent to the property that is subject to the permit.

CONCLUSION:

The requested zoning variances are necessary to allow retention of the existing house and to ensure a sufficient useable backyard for all lots given the required habitat protection covenant. The requested servicing variance is acceptable based on Note 1 (a) and (b) in Schedule C of the *Subdivision and Development Services Bylaw*. It is therefore recommended that this application be favourably considered and the Corporate Officer be authorized to sign and seal Development Variance Permit DVP/078/10.

“Original signed by Amelia Bowden”

Prepared by: Amelia Bowden
Planning Technician

“Original signed by Christine Carter”

Approved by: Christine Carter, M.PL, MCIP, RPP
Director of Planning

“Original signed by Frank Quinn”

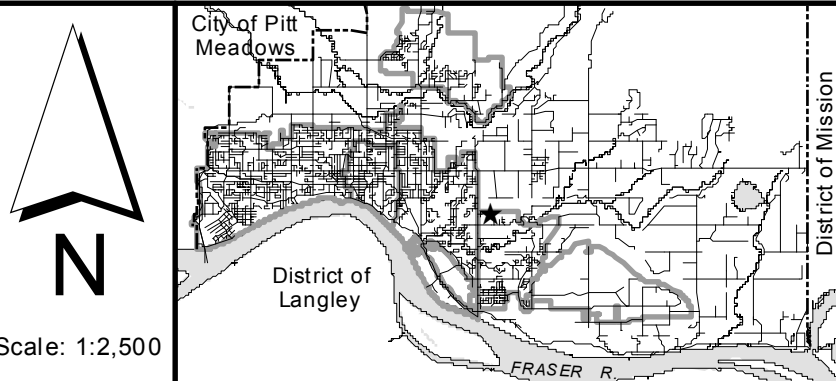
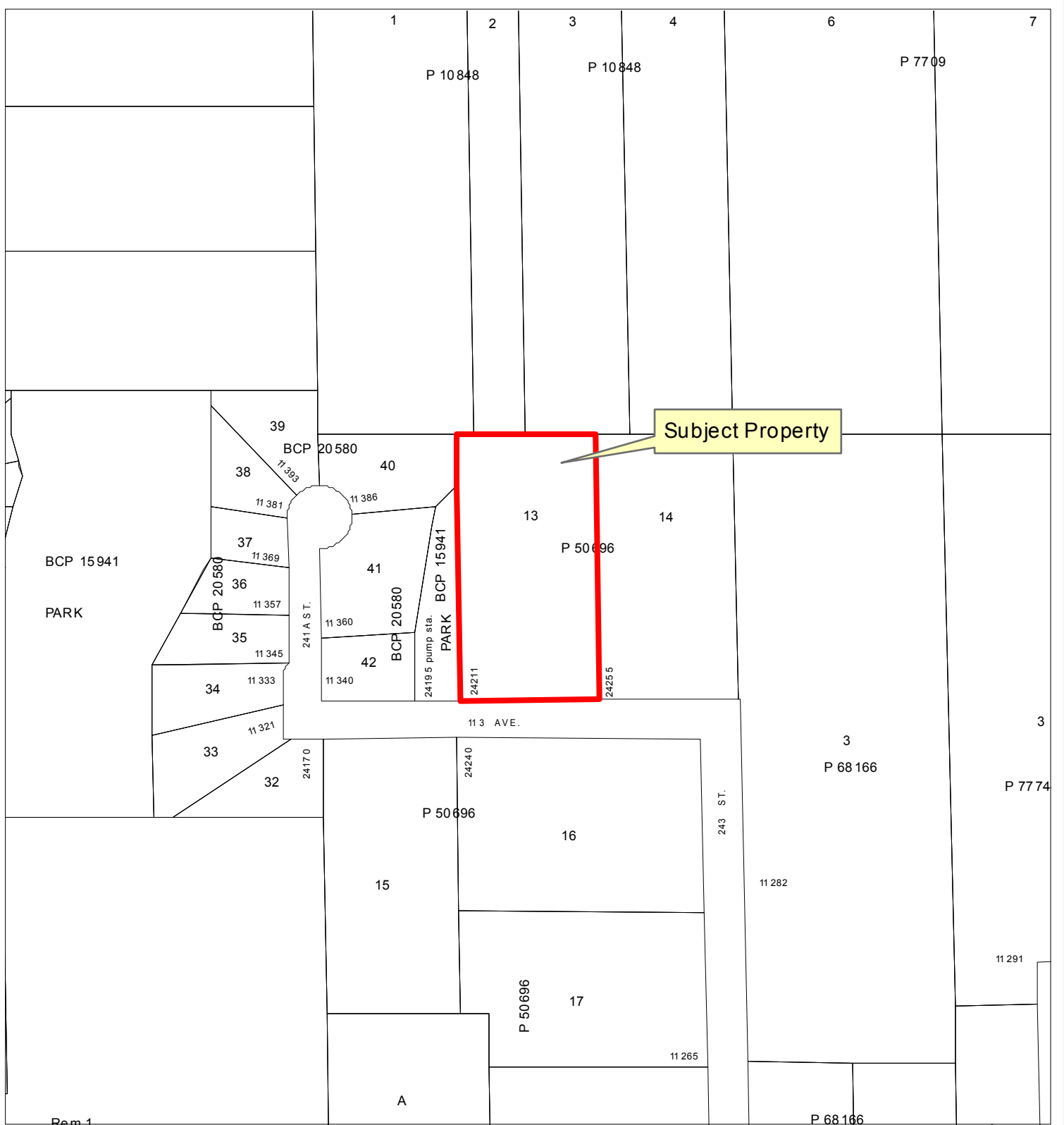
Approved by: Frank Quinn, MBA, P. Eng
GM: Public Works & Development Services

“Original signed by E.C. Swabey”

Concurrence: E.C Swabey
Chief Administrative Officer

The following appendices are attached hereto:

- Appendix A – Subject Map
- Appendix B – Ortho Map
- Appendix C – Subdivision Plan
- Appendix D – Zoning Variances
- Appendix E – Servicing Variance



24211-113 Ave



MAPLE RIDGE
British Columbia

**CORPORATION OF
THE DISTRICT OF
MAPLE RIDGE**

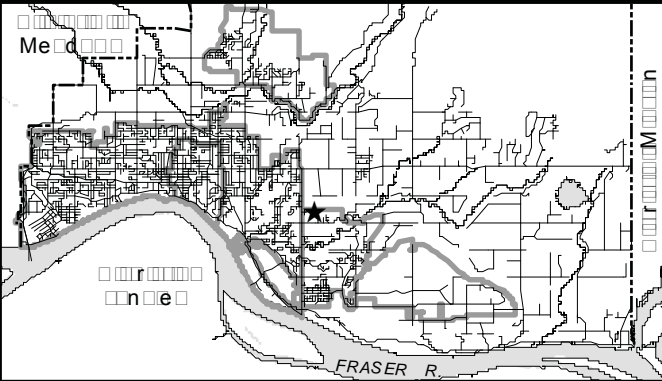
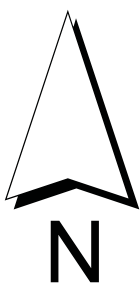
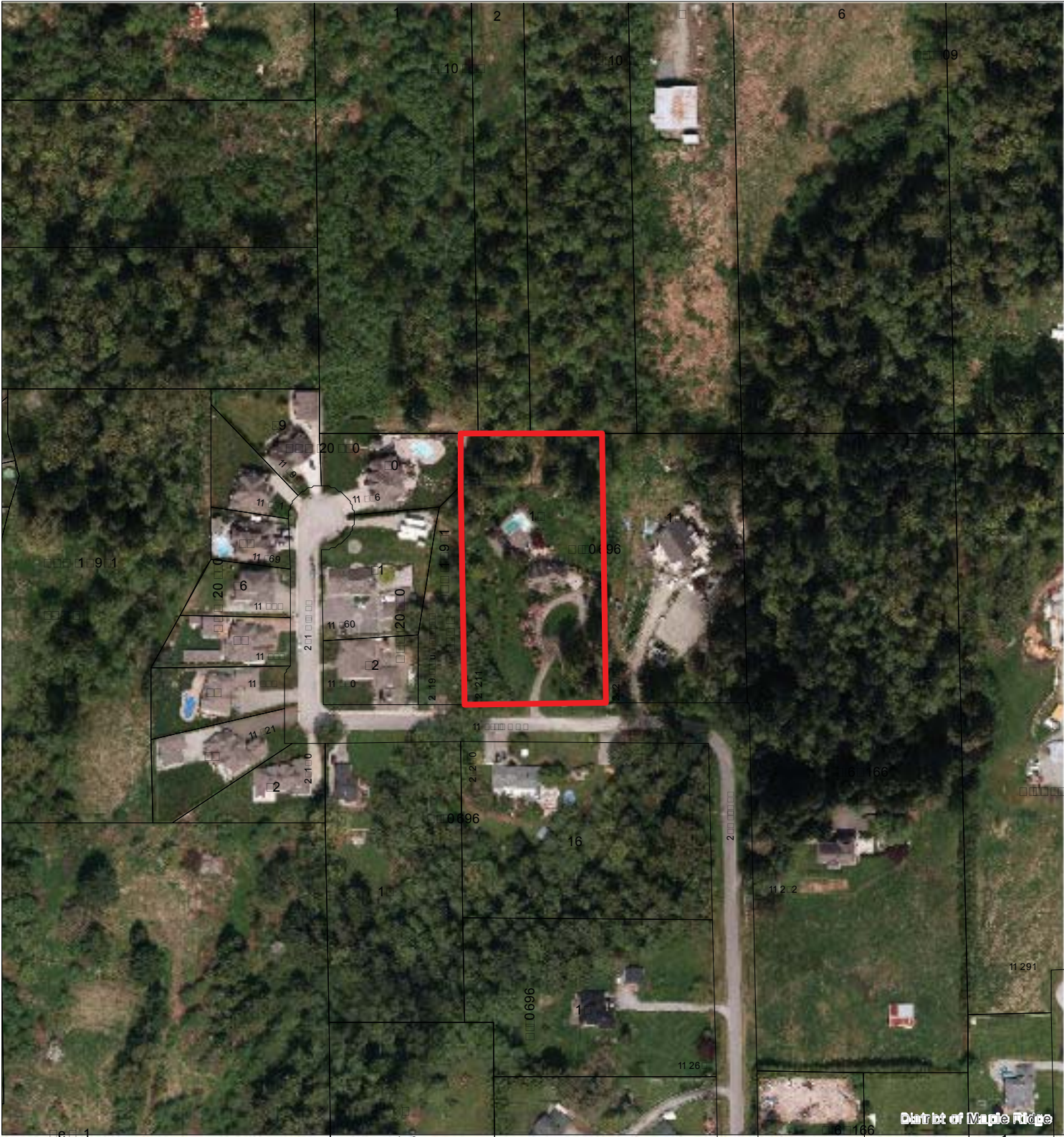
PLANNING DEPARTMENT

DATE: Dec 27, 2013

RZ/078/10

BY: JV

Scale: 1:2,500



20211-110000e
(2011 photography image)



0000000000000000
0000000000000000
M0000000000000000
0000000000000000M000

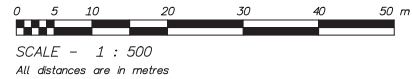
000000e2002010 00000010 000J0

**SUBDIVISION PLAN OF LOT 13,
EXCEPT PARTS DEDICATED ROAD AND PARK ON REFERENCE PLAN EPP61891,
SECTION 15, TOWNSHIP 12, NEW WESTMINSTER DISTRICT,
PLAN 50696**

PLAN EPP61216

APPENDIX C

BCGS 92G.028



The intended plot size of this plan is 560mm in width by 432mm in height (C Size) when plotted at a scale of 1:500

Legend:

- Denotes geodetic control monument found
- ⊙ Denotes standard concrete post found (P.CON)
- Denotes standard iron post found
- Denotes standard iron post set
- △ Denotes survey control point
- UTS Denotes "Unable To Set"
- NF Denotes "Not Found"

Integrated Survey Area No. 36

City of Maple Ridge, NAD83 (CSRS) 4.0.0.BC.1.GVRD

This plan shows horizontal ground-level distances, unless otherwise specified. To compute grid distances, multiply ground-level distances by the average combined factor of 0.9996103. The average combined factor has been determined based on an ellipsoidal elevation of 18.2 metres.

Grid Bearings are derived from dual frequency GNSS observations between geodetic control monuments 97H2160 and 97H2168.

The UTM coordinates and estimated horizontal positional accuracy achieved are derived from dual frequency GNSS observations to geodetic control monuments 97H2160 and 97H2168.

A Covenant in the name of the City of Maple Ridge pursuant to Section 219 of the Land Title Act is a condition of approval for this subdivision.

GEODEIC CONTROL MONUMENT 97H2168
DATUM: NAD83(CSRS) UTM Zone10
UTM Northing: 5,450,237.811
UTM Easting: 531,329.405
Point Combined Factor: 0.9995940
Estimated Horizontal Positional Accuracy: 0.02

Cameron Land Surveying Ltd.
B.C. Land Surveyors
Unit 206 - 16055 Fraser Highway
Surrey, B.C. V4N 0G2
Phone: 604-597-3777
Fax: 604-597-3783

GEODEIC CONTROL MONUMENT 97H2160
DATUM: NAD83(CSRS) UTM Zone10
UTM Northing: 5,450,290.131
UTM Easting: 531,870.792
Point Combined Factor: 0.9995940
Estimated Horizontal Positional Accuracy: 0.02

STANDARD IRON POST
DATUM: NAD83(CSRS) UTM Zone10
UTM Northing: 5,450,744.22
UTM Easting: 532,718.02
ELEVATION = 36.6
ELIPSOID HEIGHT = 18.2
Point Combined Factor: 0.9996103
Estimated Horizontal Positional Accuracy: 0.02

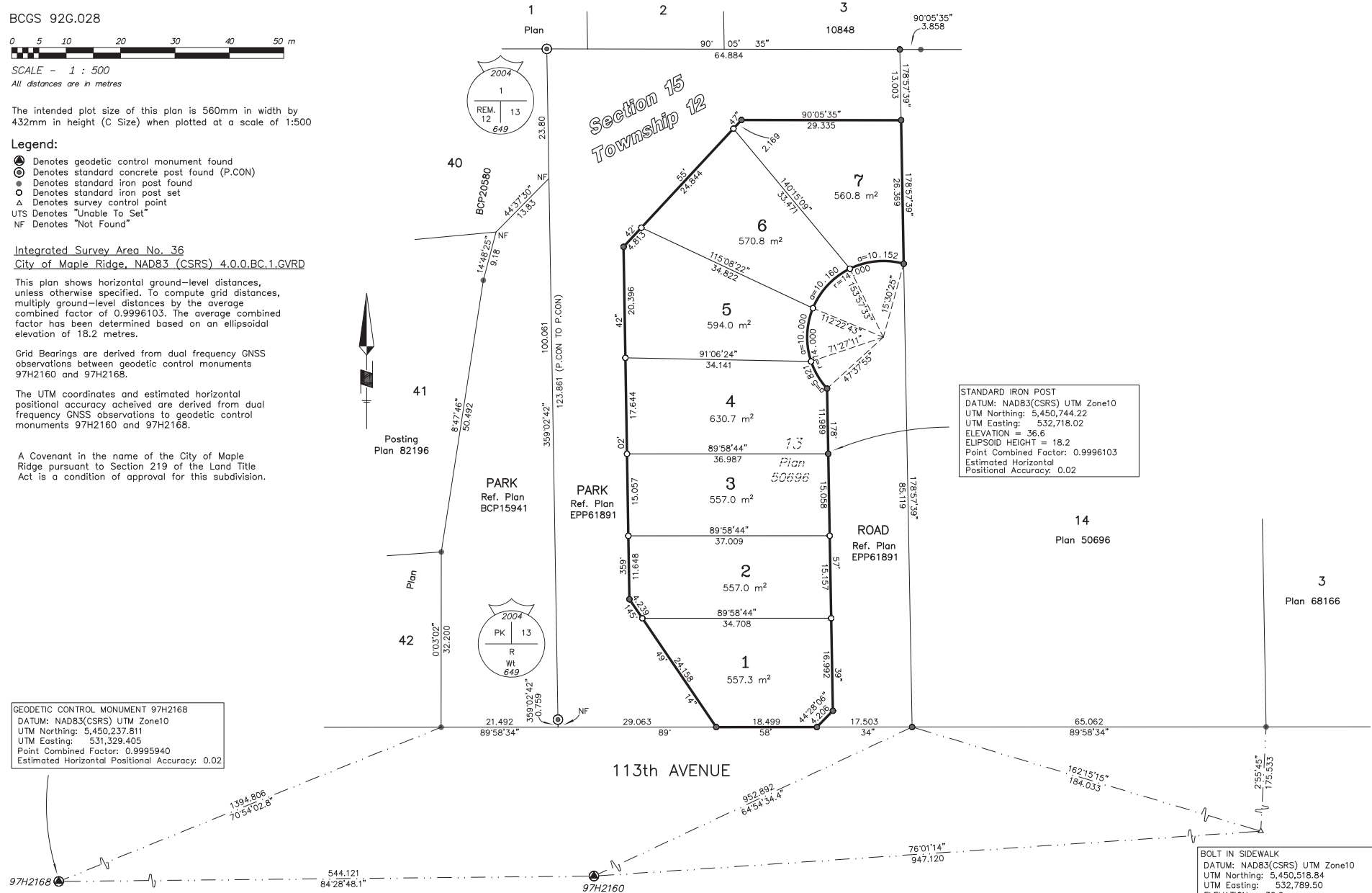
BOLT IN SIDEWALK
DATUM: NAD83(CSRS) UTM Zone10
UTM Northing: 5,450,518.84
UTM Easting: 532,789.50
ELEVATION = 32.6
Point Combined Factor: 0.9996110
Estimated Horizontal Positional Accuracy: 0.02

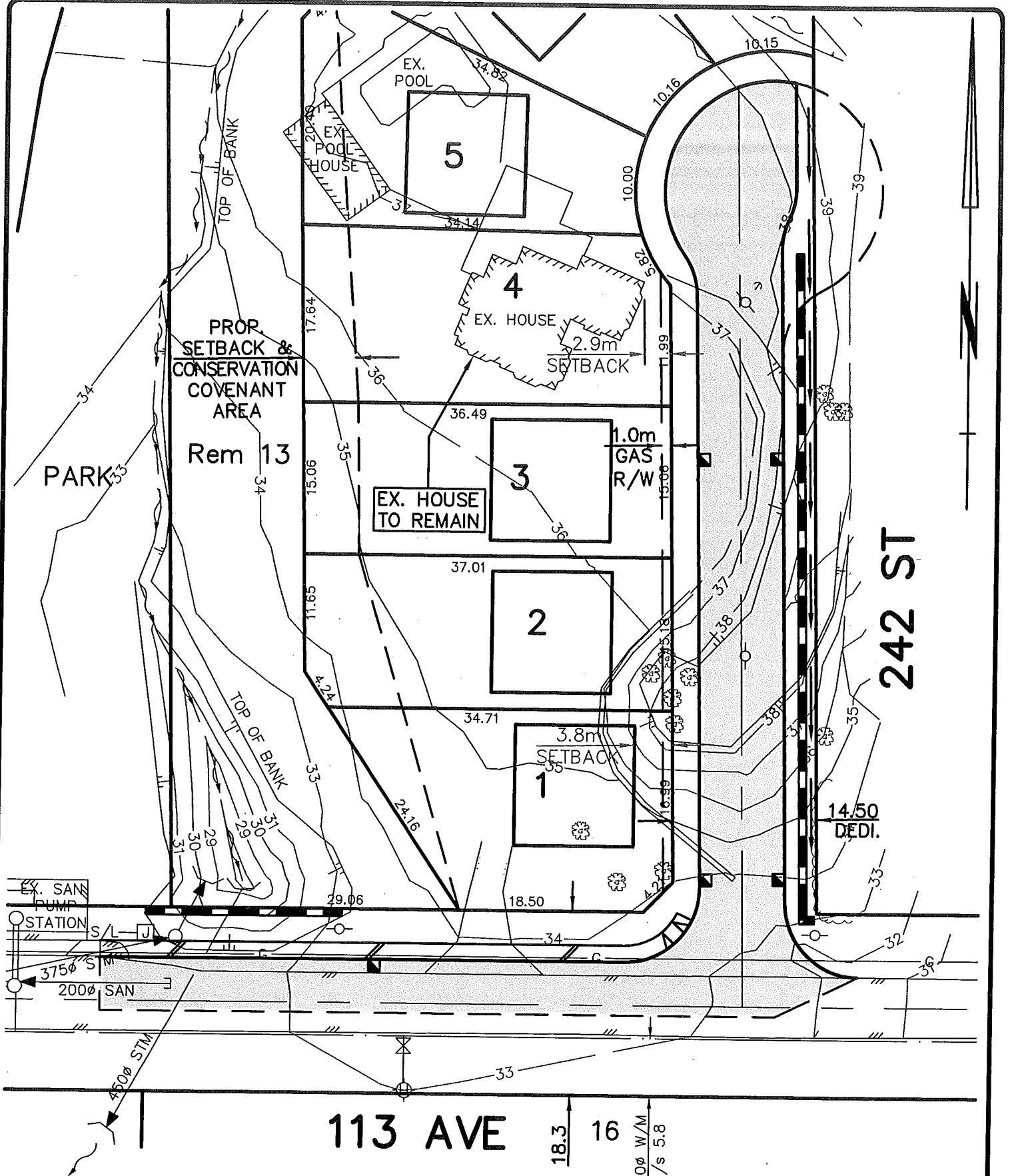
This plan lies within the jurisdiction of the
Approving Officer for the City of Maple Ridge.

The field survey represented by this plan was
completed on the 19th day of March, 2016.
Kenneth W. Schuurman, BCLS 800

This plan lies within the Greater Vancouver Regional District

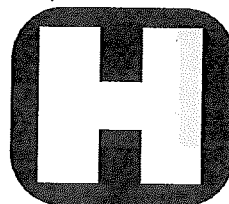
File: 4757-SUB





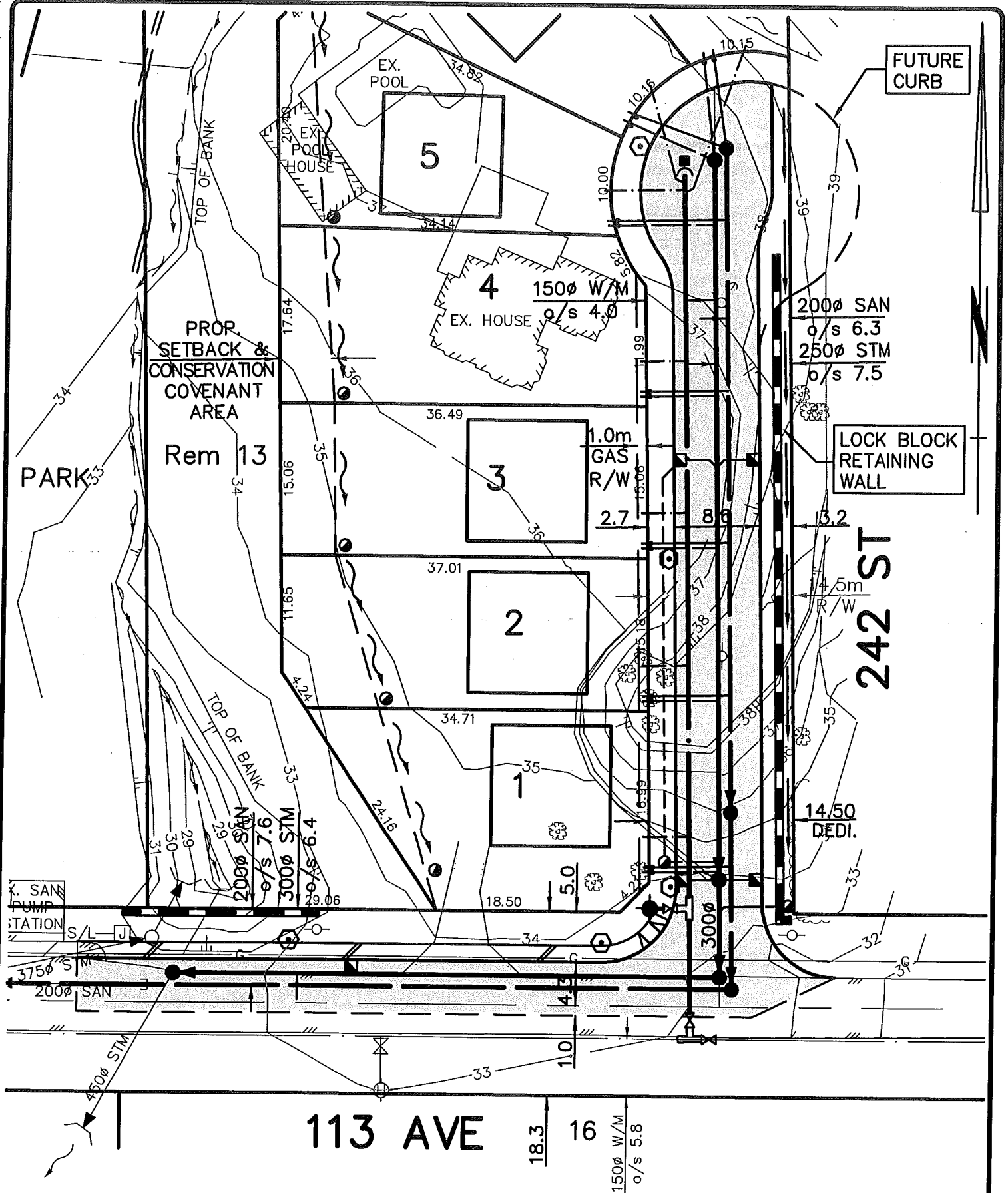
Front Yard Setback Lots 1 & 4

Scale 1:500



HunterLaird
ENGINEERING LTD.

June 26, 2014
#6348



Road Right of Way

242 Street
Scale 1:500



HunterLaird
ENGINEERING LTD.

June 26, 2014
#6348

City of Maple Ridge

TO: Her Worship Mayor Nicole Read
and Members of Council
FROM: Chief Administrative Officer

MEETING DATE: June 20, 2016
FILE NO: 2016-060-DVP
MEETING: CoW

SUBJECT: Development Variance Permit
26011 Dewdney Trunk Road

EXECUTIVE SUMMARY:

Development Variance Permit application 2016-060-DVP has been received to reduce the exterior yard setback from 3.0 m to 0 m for an existing shed located on the western boundary of the subject property, located at 26011 Dewdney Trunk Road.

It is recommended that Development Variance Permit 2016-060-DVP be approved, and an encroachment agreement issued.

RECOMMENDATION:

1. That the Corporate Officer be authorized to sign and seal 2016-060-DVP respecting property located at 26011 Dewdney Trunk Road;
2. That an encroachment agreement be prepared and issued to the property owner; and
3. That the Corporate Officer be authorized to sign and seal an encroachment agreement.

DISCUSSION:

a) Background Context

Applicant: George Agopian
Owner: George Agopian

Legal Description: Lot 1 Section 24 Township 12 New Westminster
District Plan 13469

OCP :
Existing: AGR (Agricultural)

Zoning:
Existing: RS-3 (One Family Rural Residential)

Surrounding Uses:

North:	Use:	Single Family Residential
	Zone:	RS-3 (One Family Rural Residential)
	Designation:	Agricultural

South:	Use:	Single Family Residential
	Zone:	RS-3 (One Family Rural Residential)
	Designation:	Agricultural
East:	Use:	Single Family Residential
	Zone:	RS-3 (One Family Rural Residential)
	Designation:	Agricultural
West:	Use:	Single Family Residential
	Zone:	RS-3 (One Family Rural Residential)
	Designation:	Agricultural
Existing Use of Property:		Single Family Residential
Proposed Use of Property:		Single Family Residential
Access:		Dewdney Trunk Road
Servicing:		Rural
Lot Size:		0.31 ha (0.77 acres)

b) Project Description:

The subject property is located on the north side of Dewdney Trunk Road, and is approximately 0.31 ha (0.77 acres) in size (see Appendices A & B). The applicant has recently purchased the subject property, with the intent of utilizing the existing shed as an artist workspace. The shed is located on the western boundary of the subject property and encroaches into the adjacent un-opened 260 Street right-of-way by approximately 35.59 m² (383 ft²). The portion of 260 Street north of Dewdney Trunk Road is currently un-paved, and will remain, un-opened for the foreseeable future. The shed was built without a Building Permit by a previous landowner. Should Council approve the request, an encroachment agreement will be required to set out the condition of use and removal of the structure at a future date.

c) Variance Analysis:

The Zoning Bylaw No. 3510-1985 establishes general minimum and maximum regulations for single family development. A Development Variance Permit allows Council some flexibility in the approval process.

The requested variance and rationale for support are described below (see Appendix C):

1. *Maple Ridge Zoning Bylaw No 3510 -1985*, Part 6, Section 601, C (5) (c)(ii):
 - To reduce the exterior yard setback from 3.0 m to 0 m.

The reduction in exterior side yard setback is supportable as 260 Street will remain un-opened with no servicing upgrades required.

d) Interdepartmental Implications:

The Licenses, Permits and Bylaws Department, Engineering Department and Fire Department have no concerns with the existing shed encroachment, as 260 Street will remain un-opened. However, an Encroachment Agreement is required should Council approve the variance.

e) Citizen Implications:

In accordance with the *Development Procedures Bylaw No. 5879-1999*, notice of Council consideration of a resolution to issue a Development Variance Permit was mailed to all owners or tenants in occupation of all parcels, any parts of which are adjacent to the property that is subject to the permit.

CONCLUSION:

The proposed variance to reduce the exterior yard setback and an encroachment agreement is supported, as the portion of 260 Street adjacent to the subject property will remain un-opened; therefore, the encroaching shed will not interfere with any servicing upgrade requirements to the road right-of-way. Should the 260 Street right-of-way be required in the future, the shed would be removed.

It is therefore recommended that this application be favourably considered and the Corporate Officer be authorized to sign and seal Development Variance Permit 2016-060-DVP.

“Original signed by Adam Rieu”

Prepared by: Adam Rieu
Planning Technician

“Original signed by Christine Carter”

Approved by: Christine Carter, M.PL, MCIP, RPP
Director of Planning

“Original signed by Frank Quinn”

Approved by: Frank Quinn, MBA, P.Eng
GM: Public Works & Development Services

“Original signed by E.C. Swabey”

Concurrence: E.C. Swabey
Chief Administrative Officer

The following appendices are attached hereto:

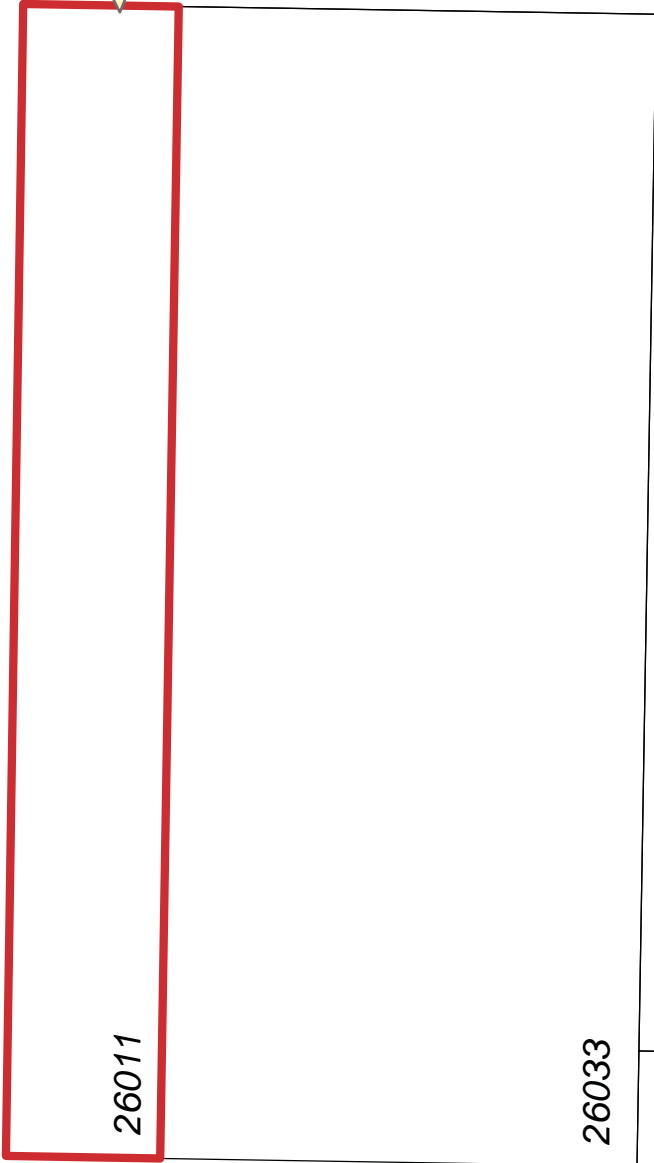
Appendix A – Subject Map

Appendix B – Ortho Map

Appendix C – Survey Plan – City of Maple Ridge Engineering Department

APPENDIX A

□□□J□□□□□□□□□□



25977

260

26011

26033

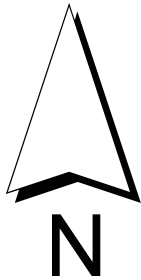
32

20

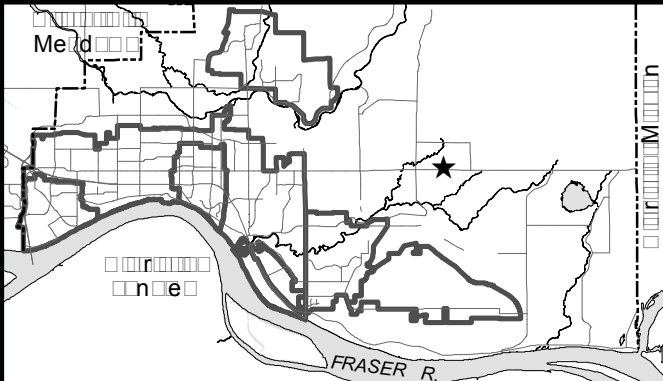
6

□□□□□□□□□□□□□□

26011 □□□□□□□□□□□□□□□□



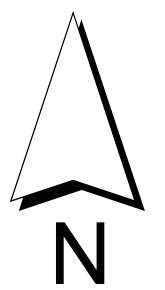
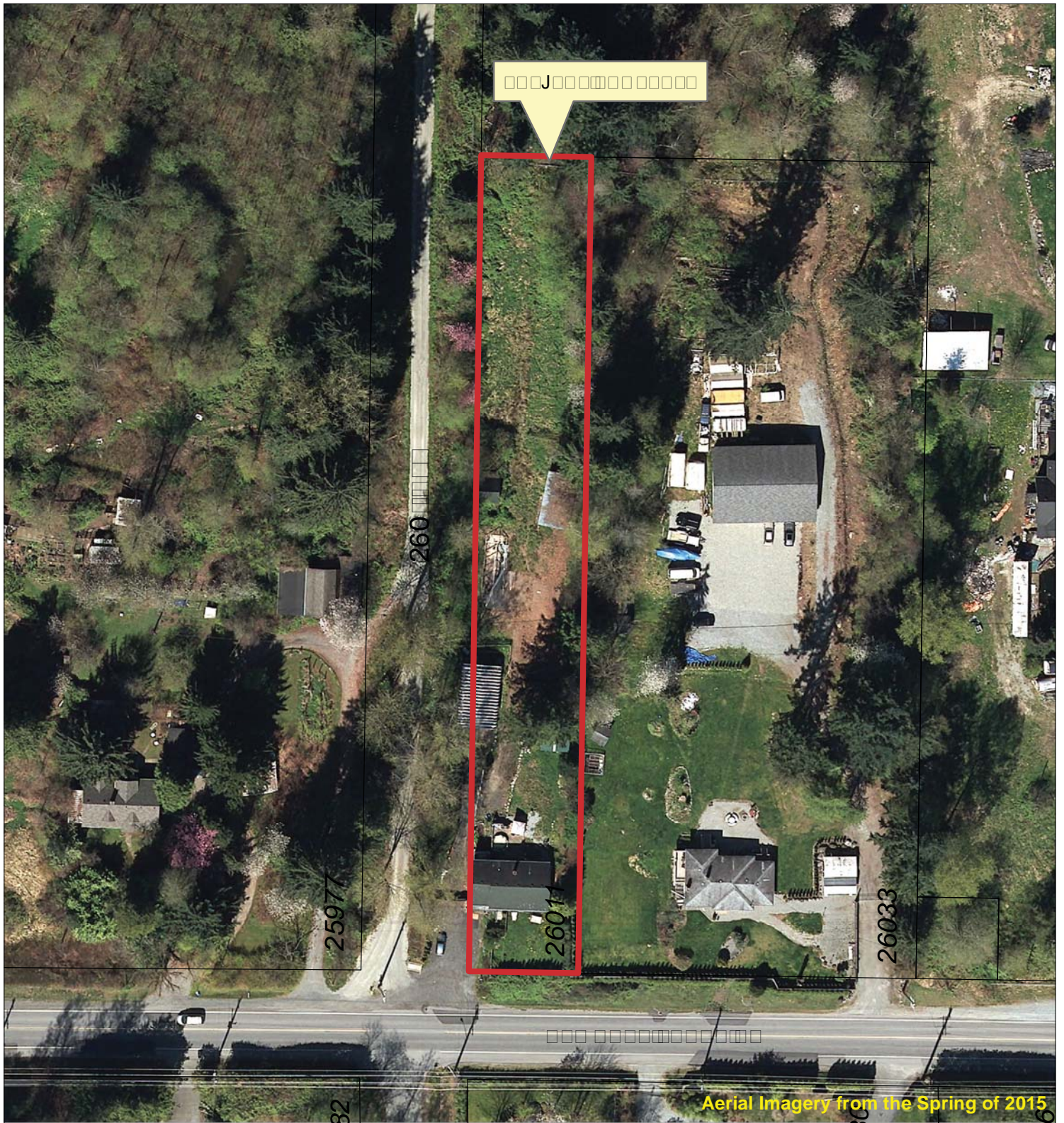
□□□e11000



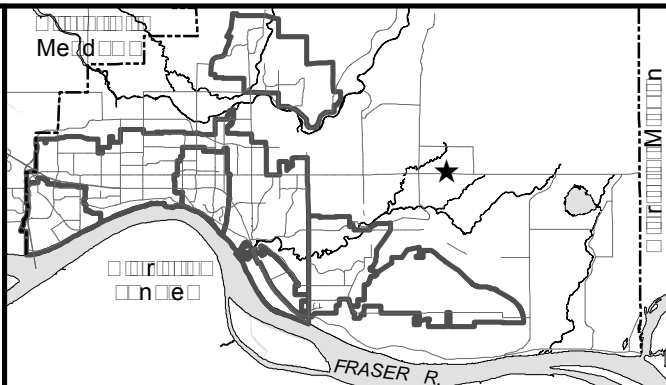
mapleridge.ca

□□□2016-060-□□
□□□□M□□□2016

□□□□



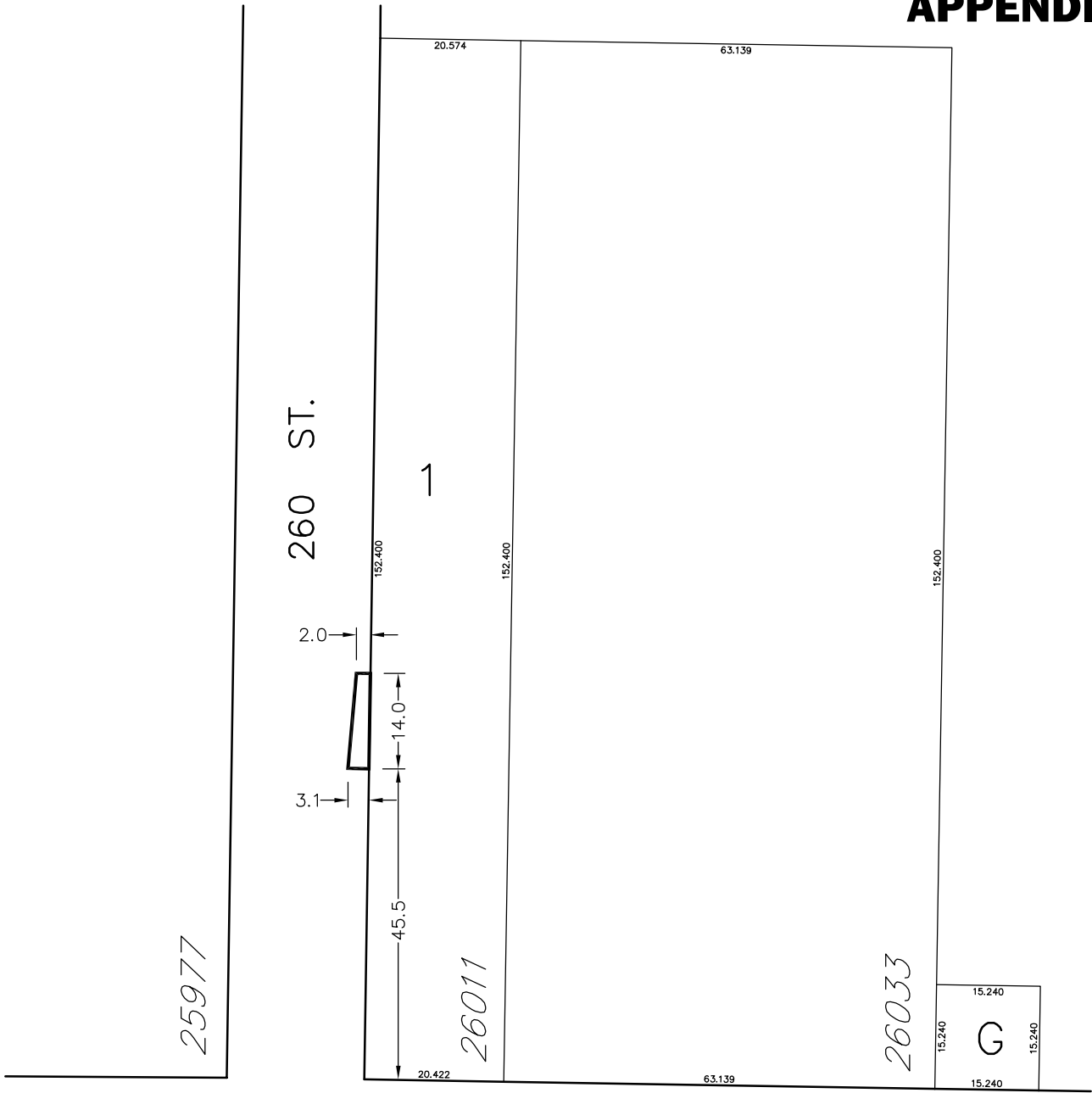
Scale: 1:1000



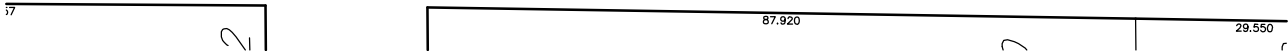
26011



2016-06-01
2016



DEWDNEY TRUNK ROAD

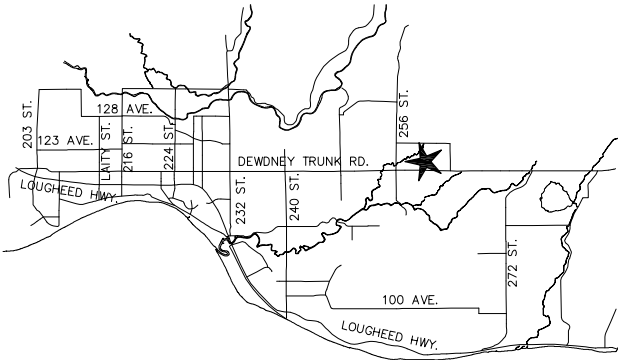


OWNER OF LOT 1
GEORGE AGOPIAN
26011 DEWDNEY TRUNK ROAD
MAPLE RIDGE BC V4R 1Y5

PROPOSED ENCROACHMENT AGREEMENT AREA

AREA OF LOT 1 3124.14 sq. m

AREA OF ENCROACHMENT AGREEMENT AREA 35.59 sq. m



CITY OF MAPLE RIDGE
ENGINEERING
DEPARTMENT

PROPOSED ENCROACHMENT AGREEMENT
LICENSE AREA
26011 DEWDNEY TRUNK ROAD

DATE: FEB 2016 FILE/DWG No L-1838

City of Maple Ridge

TO:	Her Worship Mayor Nicole Read and Members of Council	MEETING DATE:	June 20, 2016
FROM:	Chief Administrative Officer	FILE NO:	2016-180-DVP
		MEETING:	CoW
SUBJECT:	Development Variance Permit 24348, 24351, 24353, 24359, 24363 and 24373 113 Avenue		

EXECUTIVE SUMMARY:

Development Variance Permit application 2016-180-DVP has been received for 6 single family lots that were previously subdivided under application 2012-048-SD. The requested variances are to:

1. Reduce the required minimum side yard setback from 1.5m (4.9 ft.) to 1.2m (3.9 ft.) for 24348, 24351, 24353, 24359, 24363 and 24373 113 Avenue.

It is recommended that Development Variance Permit 2016-180-DVP be approved.

RECOMMENDATION:

That the Corporate Officer be authorized to sign and seal 2016-180-DVP respecting properties located at 24348, 24351, 24353, 24359, 24363 and 24373 113 Avenue.

DISCUSSION:

a) Background Context

Applicant: Cole Lambert, Cipe Homes Inc.
Owner: Cipe Homes Inc.

Legal Descriptions: Lots 42-47, Section 15, Township 12, NWD Plan EPP54924

OCP:

Existing: Residential Low-Medium Density and Conservation
Proposed: Residential Low-Medium Density and Conservation

Zoning:

Existing: RS-1b (One Family Urban (Medium Density) Residential)
Proposed: RS-1b (One Family Urban (Medium Density) Residential)

Surrounding Uses:

North:	Use:	Vacant, Park
	Zone:	RS-3 (One Family Rural Residential), RS-2 (One Family Suburban Residential), and RS-1b (One Family Urban (Medium Density) Residential)
	Designation:	Conservation

South:	Use:	Single Family Residential
	Zone:	RS-1b (One Family Suburban Residential) with Density Bonus to R-1 (Residential District)
	Designation:	Residential Low-Medium Density
East:	Use:	Single Family Residential
	Zone:	R-1 (Residential District)
	Designation:	Residential Low-Medium Density
West:	Use:	Vacant, Park
	Zone:	RS-3 (One Family Rural Residential), RS-2 (One Family Suburban Residential), and RS-1b (One Family Urban (Medium Density) Residential)
	Designation:	Conservation
Existing Use of Properties:	Single Family Residential	
Proposed Use of Properties:	Single Family Residential	
Site Area:	557m ² (6,000 ft ²) to 828m ² (8,912 ft ²)	
Access:	113 Ave.	
Servicing requirement:	Urban Standard	
Companion Applications:	2012-048-RZ/SD/DP	

b) Project Description:

The subject properties, located at 24348, 24351, 24353, 24359, 24363 and 24373 113 Avenue, were subdivided under a previous application 2012-048-SD. The properties are located at the end of 113 Avenue, west of 244 Street (see Appendices A and B). These lots are greater than 557m² (5,995 ft²) in area and are subject to the RS-1b (One Family Urban (Medium Density) Residential) zone requirements. In order to maintain consistency for the overall development, similar building envelopes, setbacks and lot widths have already been varied to appear similar to the R-1 (Residential District) zone, which apply to the remaining 40 lots in this development which are less than 557m² (5,995 ft²). The side yard setback reduction was not requested at the time of the other variances.

c) Variance Analysis:

Zoning Bylaw No. 3510-1985 establishes general minimum and maximum regulations for single family development. A Development Variance Permit allows Council some flexibility in the approval process.

The requested variances and rationale for support are described below (see Appendix C):

1. *Zoning Bylaw No. 3510-1985*, Part 6, Section 601C(9)(c)(ii): To reduce the minimum side yard setback from 1.5m (4.9 ft.) to 1.2m (3.9 ft.) for 24348, 24351, 24353, 24359, 24363 and 24373 113 Avenue.

The lots that are greater than 557m² (5,995 ft²) in area are subject to the RS-1b (One Family Urban (Medium Density) Residential) zone requirements. In order to maintain consistency for the overall development, similar building envelopes, setbacks and lot widths have already been varied to appear similar to the R-1 (Residential District) zone, which apply to the remaining 40 lots in this development which are less than 557m² (5,995 ft²). The side yard setback reduction was not requested at the time of the other variances.

Should Council not grant approval for the requested variances, a minor change in streetscape from the north side of 113 Avenue to the south side of 113 Avenue would be apparent.

d) Citizen/Customer Implications:

In accordance with the *Development Procedures Bylaw No. 5879-1999*, notice of Council consideration of a resolution to issue a Development Variance Permit was mailed to all owners or tenants in occupation of all parcels, any parts of which are adjacent to the properties that are subject to the permit.

CONCLUSION:

The proposed variances are supported because they are consistent with similar variances previously supported for the area, and will allow development in the area to occur in a consistent manner.

It is therefore recommended that this application be favourably considered and the Corporate Officer be authorized to sign and seal Development Variance Permit 2016-180-DVP.

"Original signed by Michelle Baski"

Prepared by: Michelle Baski, ASCT, MA
Planner 1

"Original signed by Christine Carter"

Approved by: Christine Carter, M.PL, MCIP, RPP
Director of Planning

"Original signed by Frank Quinn"

Approved by: Frank Quinn, MBA, P.Eng
GM: Public Works & Development Services

"Original signed by E.C. Swabey"

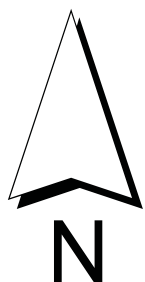
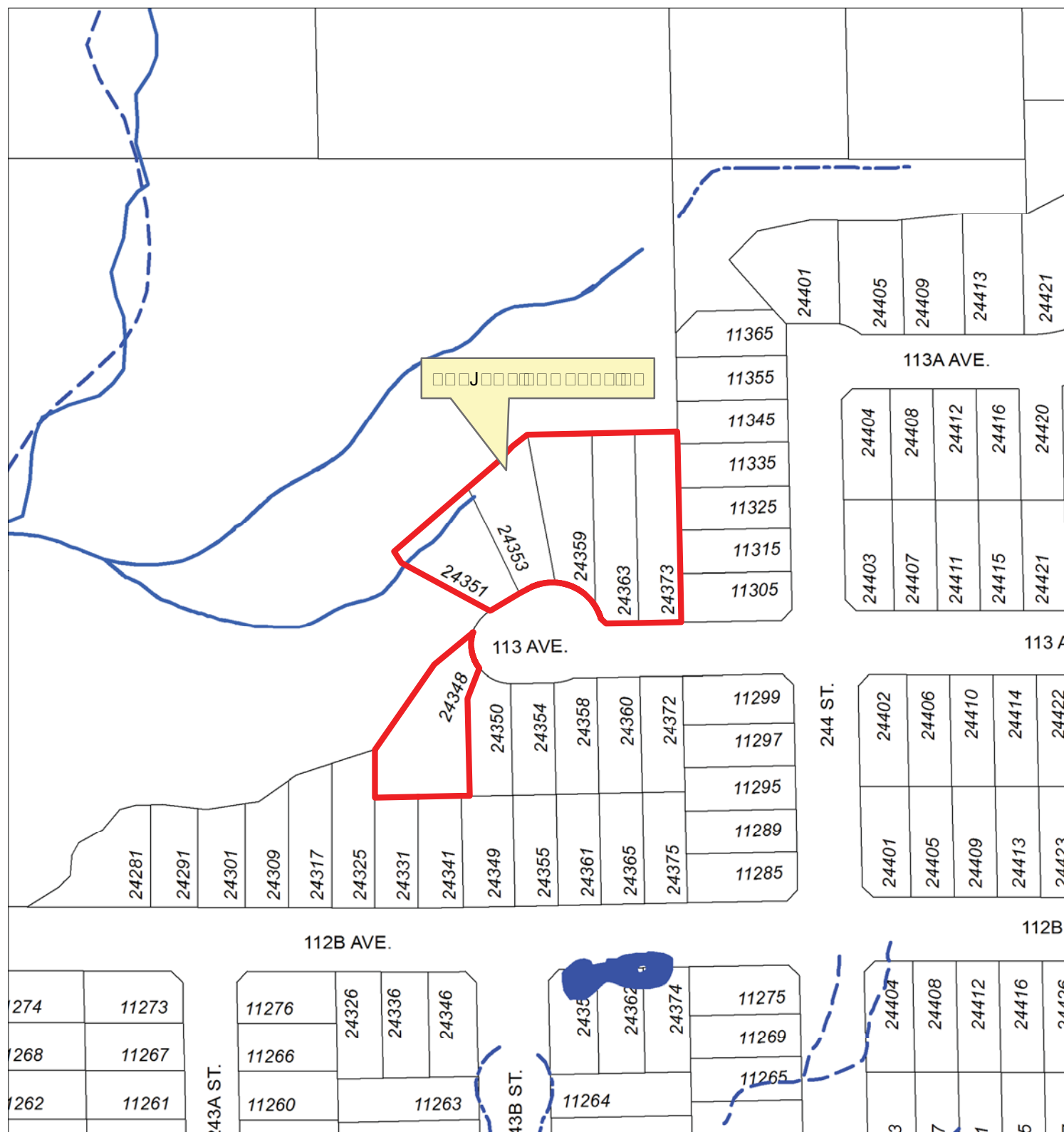
Concurrence: E.C. Swabey
Chief Administrative Officer

The following appendices are attached hereto:

Appendix A – Subject Map

Appendix B – Ortho Map

Appendix C – Example Building Plans



□ □ □ e □ 1 1 □ □ 00

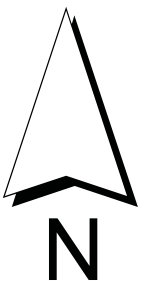
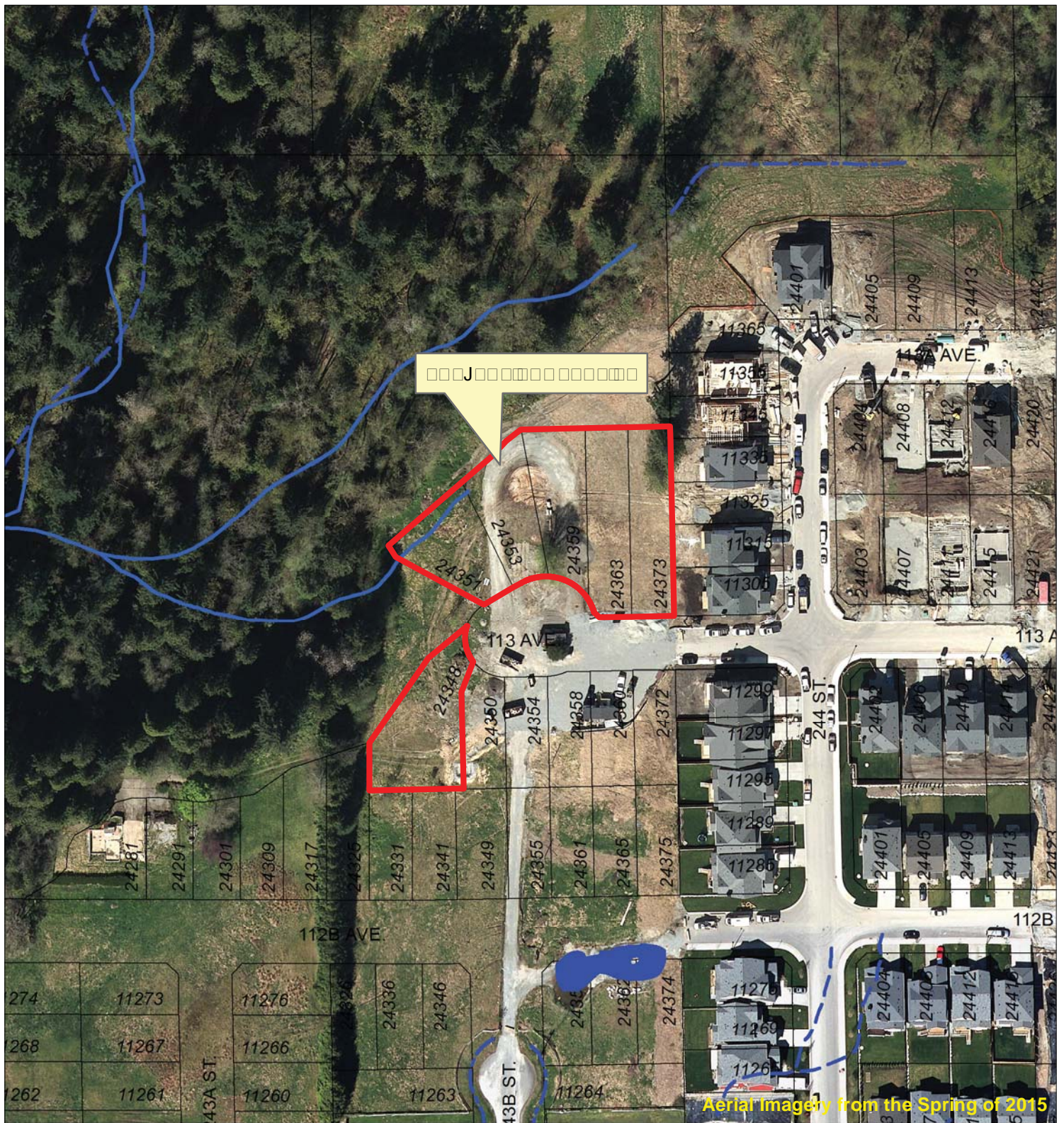
Legend

- re
- — — nde n e re
- er en re ne
- M r er e

2000010000960000110000enue







2016-10-01
 00000M002016



□□□e□□1□1□□00

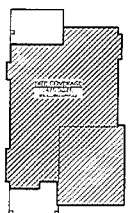
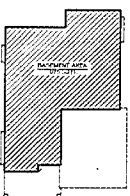
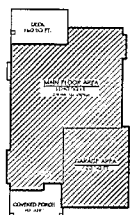
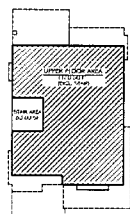
Legend

-  ☐ re ☐ ☐ ☐
 ☐ nde ☐ ☐ ne ☐ ree ☐
 ☐ ☐ er ☐ ☐ en ☐ re ☐ ne
 M ☐ ☐ r ☐ ☐ ☐ er ☐ ☐ ☐ ☐ ☐ e ☐

219611enue

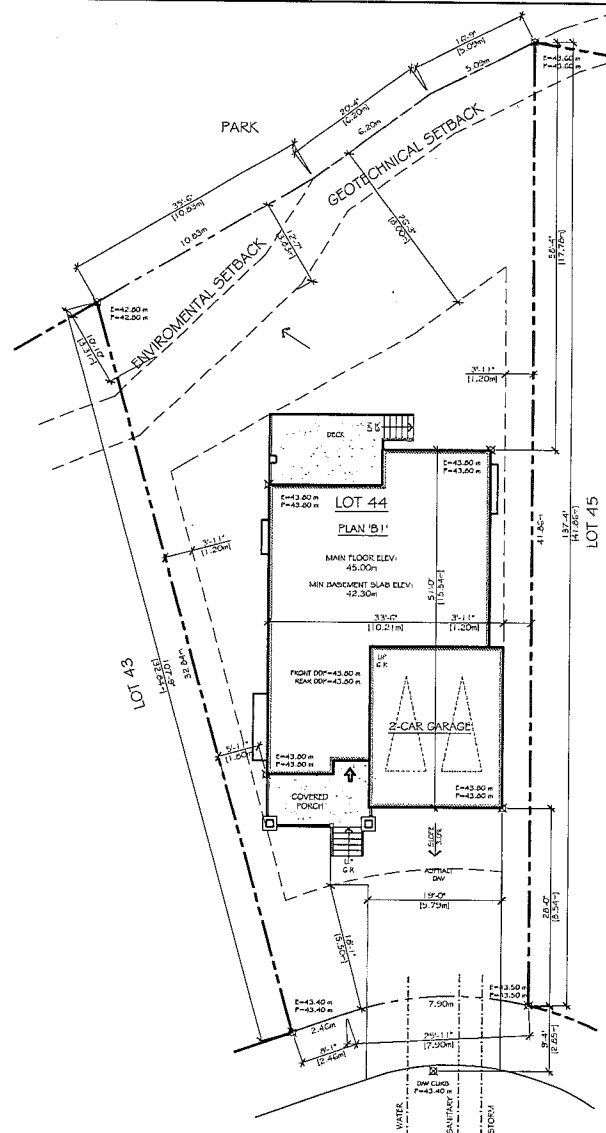


2016-10-
M2 2016



AREA SCHEMATICS
SCALE: 1/8" = 1'-0"

PROJECT INFORMATION			
CIVIC ADDRESS			
113 AVENUE - MAPLE RIDGE, BRITISH COLUMBIA			
LOT NUMBER			
44 - D1			
LEGAL DESCRIPTION			
ZONING DISTRICT			
R-1 SINGLE RESIDENTIAL DWELLING			
SITE AREA			
	507.40 m ²	6000.77 sq ft	
SETBACKS			
FRONT	5.50 m	18.04	
REAR	6.00 m	19.69	
SIDE	1.20 m	3.94	
SITE COVERAGE			
PERMITTED	222.59 m ²	2406.31 sq ft	43.66 %
PROPOSED	137.63 m ²	1479.00 sq ft	27.52 %
GROSS FLOOR AREA			
MAIN FLOOR	101.26 m ²	1090.00 sq ft	
UPPER FLOOR	104.05 m ²	1123.00 sq ft	
BASEMENT FLOOR	92.27 m ²	992.00 sq ft	
GARAGE FLOOR	33.00 m ²	354.00 sq ft	
PROPOSED	344.20 m ²	3705.00 sq ft	
HEIGHT DATUM			
FRONT DOP	43.80 m	143.79	
PERMITTED HGT.	34.00 m	111.71	1.00 m / 32.81
PROPOSED HGT.	33.73 m	110.79	0.93 m / 30.59



113 AVENUE
SITE PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. THESE DRAWINGS MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF THE DESIGNER.
2. THESE DRAWINGS HAVE BEEN PREPARED TO COMPLY WITH THE REQUIREMENTS OF THE BRITISH COLUMBIA BUILDING CODE AND THE B.C. BUILDING CODE, 2012 EDITION.
3. THE DESIGNER IS NOT RESPONSIBLE FOR PROVIDING THE NECESSARY INFORMATION TO THE CLIENT TO ENSURE THAT ALL CONSTRUCTION CONFORMS TO LOCAL, PROVINCIAL, AND NATIONAL BUILDING CODES AND BY-LAWS.
4. THE DESIGNER SHALL INSTALL ALL MATERIAL, EQUIPMENT, AND COMPONENTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ACCEPTED METHODS OF GOOD BUILDING PRACTICE.
5. DIMENSIONS SHOWN WILL ALWAYS PREVAIL OVER ANY OTHER SCALE, DO NOT SCALE DRAWINGS.
6. INSURE THE ACCURACY AND COMPLETENESS OF THE DATA, INFORMATION, AND THE NECESSARY INFORMATION TO THE CLIENT TO ENSURE THAT ALL CONSTRUCTION CONFORMS TO LOCAL, PROVINCIAL, AND NATIONAL BUILDING CODES AND BY-LAWS.
7. ALL DIMENSIONS SHOWN ON THE SITE PLAN AND LOCATION OF ANY FOUNDATIONS OR RIGHT OF WAY ARE TO BE APPROVED BY BUILDING AUTHORITY BEFORE CONSTRUCTION.
8. GRADE IS TO BE MAINTAINED TO A MINIMUM OF TWO PERCENT AWAY FROM THE STRUCTURE FOR SURFACE WATER RUN-OFF. THE BUILDING IS RESPONSIBLE FOR PROVIDING SUFFICIENT DRAINAGE TO ENSURE THAT ELEVATIONS SHOWN ON THE SITE PLAN ARE ACCURATE BEFORE CONSTRUCTION BEGINS. THIS IS ESPECIALLY IMPORTANT TO PREVENT THAT EXISTING OVERLAND WATER FLOW PATTERNS ARE MAINTAINED.
9. ANY RETAINING WALLS THAT ARE REQUIRED ARE TO BE BUILT ACCORDING TO THE LOCAL BUILDING CODE AND GOOD BUILDING PRACTICE AND ARE ENTIRELY THE RESPONSIBILITY OF THE SUBMITTER.

THE BUILDING SITE:

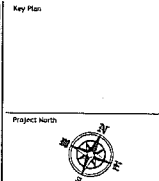
1. LOT DIMENSIONS AND TOPOGRAPHICAL INFORMATION HAVE BEEN OBTAINED FROM A RECORDED B.C. LAND SURVEYOR. ENGINEER. AS WE RELY ON THIS INFORMATION, WE ARE NOT RESPONSIBLE FOR ANY ERRORS WHICH OCCUR AS A RESULT OF THE USE OF THE SAME.
2. ALL DIMENSIONS SHOWN ON THE SITE PLAN AND LOCATION OF ANY FOUNDATIONS OR RIGHT OF WAY ARE TO BE APPROVED BY BUILDING AUTHORITY BEFORE CONSTRUCTION.
3. GRADE IS TO BE MAINTAINED TO A MINIMUM OF TWO PERCENT AWAY FROM THE STRUCTURE FOR SURFACE WATER RUN-OFF. THE BUILDING IS RESPONSIBLE FOR PROVIDING SUFFICIENT DRAINAGE TO ENSURE THAT ELEVATIONS SHOWN ON THE SITE PLAN ARE ACCURATE BEFORE CONSTRUCTION BEGINS. THIS IS ESPECIALLY IMPORTANT TO PREVENT THAT EXISTING OVERLAND WATER FLOW PATTERNS ARE MAINTAINED.
4. ANY RETAINING WALLS THAT ARE REQUIRED ARE TO BE BUILT ACCORDING TO THE LOCAL BUILDING CODE AND GOOD BUILDING PRACTICE AND ARE ENTIRELY THE RESPONSIBILITY OF THE SUBMITTER.

CONCRETE AND FOUNDATIONS:

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 35 MPa AT 28 DAYS. EXCEPT CONCRETE USED FOR GARAGE AND LIGHT FLOORING AND EXTERIOR STAIRS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 30 MPa.
2. FOOTINGS HAVE BEEN DESIGNED ASSUMING A SOIL BEARING CAPACITY OF 100 KPa. IF A DIFFERENT SOIL BEARING CAPACITY IS ENCOUNTERED, IT SHALL BE THE RESPONSIBILITY OF THE SUBMITTER TO ENSURE THAT FOOTINGS ARE REDESIGNED BY A PROFESSIONAL ENGINEER TO SUIT ACTUAL SOIL CONDITIONS.
3. FOOTINGS SHALL BE PLACED ON UNDISTURBED SOIL. FILL OR EXISTING MATERIAL AND SOIL SHALL BE REMOVED TO AN ELEVATION BELOW THE FOOTING BASE.
4. THE SOIL REMOVED SHALL BE FILLING TO THE FILLING AND WATER SHALL BE DRAINAGE BY DRAINING UP TO THE LEVEL OF THE FOOTING BASE OF SHALL BE FILLING WITH CONCRETE. CONCRETE SHALL BE COMPACTED BY TAMPING UP TO THE LEVEL OF THE FOOTING BASE OF SHALL BE FILLING WITH CONCRETE. WHEN STEP FOOTINGS ARE USED, THE VERTICAL DISTANCE BETWEEN FOOTINGS SHALL NOT EXCEED 600mm. IF THE VERTICAL DISTANCE BETWEEN FOOTINGS SHALL NOT BE LESS THAN 600mm. EXCEPT.
5. REINFORCING OF CONCRETE SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.
6. BACK FILL SHALL BE PLACED TO AVOID DAMAGING THE FOUNDATION WALL. THE DRAINAGE TIE, DIFFERENTIALLY APPLIED ISOLATION, AND WATERPROOFING OF THE WALL SHALL NOT BE PLACED AGAINST THE FOUNDATION WALL UNTIL THE CONCRETE HAS CURED. NO SPECIFIED 10 DAY MINIMUM AND SHALL BE STRUCTURAL FLOOR FRAMING IN PLACE INCLUDING FINISHED FLOOR.
7. BACK FILL SHALL BE GRADUALLY TO PREVENT DAMAGE TO THE FOUNDATION AFTER SETTING. MINIMUM SLOPE AWAY FROM THE BUILDING SHALL BE TWO PERCENT.

WOOD FRAME CONSTRUCTION:

1. THE DESIGN OF STRUCTURAL MEMBERS, TWO BEAM-BASED ON WALLS OR OTHER STRUCTURE, SHALL BE AS SHOWN IN THE LAYOUT. FOR WOOD MATERIALS, GRADE, AND BEARING CAPACITY IN PART OF THE 2006 B.C. BUILDING CODE.
2. INDIVIDUAL MEMBERS OF A STRUCTURAL FRAME SHALL BE JOINED TOGETHER WITH A TRIPLE ROW OF NAILS NOT LESS THAN 100mm (4") APART. SPACED NOT MORE THAN 150mm (6") APART IN EACH ROW WITH THE END NAILS LOCATED 100mm (4") FROM THE END OF EACH MEMBER.
3. ALL LOAD BEARING INTERIOR AND EXTERIOR WALLS TO BE 2x10 OR GREATER OTHERWISE SPECIFIED. PROVIDE A MINIMUM OF TWO JOISTS AND ONE STUD FOR EACH END OF EACH WALL. UNLESS OTHERWISE NOTED.
4. THE WIDTH OR DIAMETER OF A WOOD COLUMN SHALL NOT BE LESS THAN THE WIDTH OF THE SUPPORTED MEMBER OR JOIST UNLESS OTHERWISE NOTED.
5. SUELFILL WOOD COLUMN SHALL BE NOTED TO BE 100mm (4") THICK. FULL LENGTH MEMBERS BOLTED TOGETHER WITH NOT LESS THAN 150mm (6") DIAMETER BOLTS SPACED NOT MORE THAN 150mm (6") APART, OR UNLESS OTHERWISE NOTED. PROVIDE A MINIMUM OF TWO JOISTS AND ONE STUD FOR EACH END OF EACH COLUMN. SHALL BE SPACED FROM CONCRETE IN CONTACT WITH THE COLUMN BY 0.03mm POLYETHYLENE FILM OR TYPE 5 RIGID WOOLING.
6. ALL CONCRETE AND WOOD CONTACT SHALL BE SHARP TREATED WITH AN ANTIFUNGUS SILL GASKET.
7. FLOOR JOISTS SHALL HAVE NOT LESS THAN 30mm (1 1/8") OF TWO BOARDING.
8. DOWNLOADING BEARING WALLS PARALLEL TO THE FLOOR JOISTS SHALL BE SUPPORTED BY JOISTS REMAINING IN THE WALL OR 30mm x 80mm (1 1/8" x 3 1/8") DIMENSIONS SPACED NOT MORE THAN 1.20m (4') ON CENTER.
9. ALL STRUCTURAL MEMBERS BEYOND PART OF THE BUILDING CODE, TRUSS, PARALLEL, A THREE BEAM-BASED STUDS, AND FRAMERS MUST BE DESIGNED BY A PROFESSIONAL ENGINEER.
10. FLOOR JOISTS SPACING ARE BASED ON THE ASSUMPTION THAT 20 KG PER SQUARE METRE OF GROUND AND WINDING IS APPLIED AT 2.0m (6') ON CENTER AND 2x10 JOISTS SPACING IS NOTED AT 2.0m (6') ON CENTER AND 2x10 JOISTS IS NOTED AT 2.0m (6') ON CENTER.



Revision No.	Description	Date
1	Issued for Permit	14/09/15

Client:
Epic Homes

Project:
**Epic Homes
Lot 44 - Plan B1
113 Ave
Maple Ridge, BC**

Drawing Title:
**Site Plan
Area Schematics
Project Info
General Notes**

Drawn By:
DWB/Charles G.
Vanouver, B.C.
V1X 2Z9

Checkd By:
Gau/RG

Date:
SEPTEMBER 2015

Scale:
1/8" = 1'-0"
U.S.D.

Sheet Number:
A1.0

City of Maple Ridge

TO: Her Worship Mayor Nicole Read
and Members of Council
FROM: Chief Administrative Officer
SUBJECT: 5% Money in Lieu of Parkland Dedication
12117 Laity Street

MEETING DATE: June 20, 2016
FILE NO: 2015-181-SD
MEETING: C of W

EXECUTIVE SUMMARY:

The subject property, located at 12117 Laity Street (see Appendices A and B), is proposed to be subdivided into 6 single family residential lots (see Appendix C). This subdivision is subject to the provisions of the *Local Government Act* regarding Parkland Dedication or payment in lieu of dedication. It is recommended that Council require payment in lieu of parkland dedication for the property located at 12117 Laity Street.

RECOMMENDATION:

That pursuant to *Local Government Act*, Section 941, regarding 5% Parkland Dedication or payment in lieu, be it resolved that the owner of land proposed for subdivision at 12117 Laity Street, under application 2015-181-SD, shall pay to the City of Maple Ridge an amount that is not less than \$69,000.00.

DISCUSSION:

Section 941 of the *Local Government Act* requires the provision of parkland, without compensation, as a condition of subdivision, subject to some exceptions. The land, not to exceed 5% of the area proposed for subdivision, may be acquired in a location acceptable to the City, or a payment equal to 5% of the market value of the area proposed for subdivision is required.

Section 8.9, Watercourse Protection Development Permit Area, of the Official Community Plan states that where watercourse protection areas are identified on the lands, the area is to be dedicated into public ownership as Park, where possible, for the preservation, protection, restoration and enhancement of watercourses and riparian areas. These areas also provide large vegetated areas in urban neighbourhoods that provide corridors for wildlife and passive park areas for residents.

Where there is either no watercourse protection areas, or no suitable lands are identified for park dedication, then 5% of the market value of the land is paid to the City. These funds are

placed into a special Parkland Acquisition Reserve Fund, for the purpose of acquiring parkland, and is typically used where the ability to achieve parkland through development is limited, such as the Blaney Bog. In this particular instance there is no watercourse protection area or suitable lands present and it is therefore recommended that money in lieu of parkland dedication be provided.

In keeping with past practice, the City has requested that an appraisal be provided for the 5% market value of the development site. This appraisal is based on zoned but not serviced land.

A report from a qualified real estate appraiser has determined that the market value of the land is \$1,380,000.00, which indicates that the 5% value of this property is \$69,000.00.

CONCLUSION:

As there are no watercourse protection areas and no suitable lands on the property for parkland dedication, it is recommended that Council require payment in lieu of parkland dedication as prescribed in the appraisal.

“Original signed by Adam Rieu”

Prepared by: Adam Rieu
Planning Technician

“Original signed by Christine Carter”

Approved by Christine Carter, M.PL, MCIP
Director of Planning

“Original signed by Frank Quinn”

Approved by: Frank Quinn, P. Eng., PMP
GM: Public Works & Development Services

“Original signed by Paul Gill” for

Concurrence: E.C. Swabey
Chief Administrative Officer

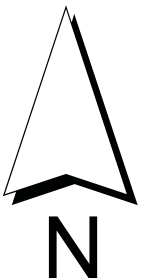
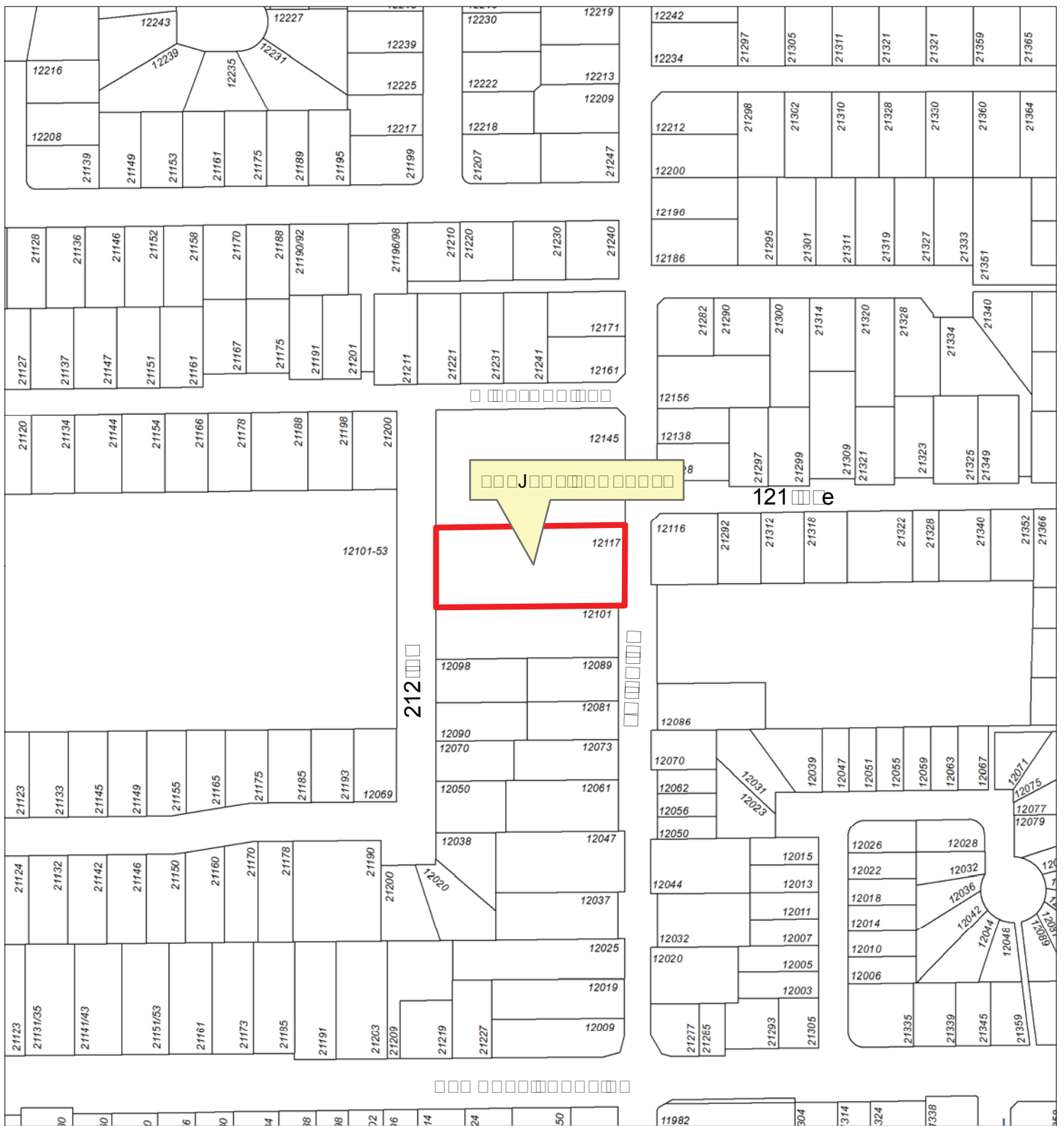
The following appendices are attached hereto:

Appendix A – Subject Property Map

Appendix B – Ortho Map

Appendix C – Subdivision Sketch Plan

APPENDIX A



□□□e□1□2□□00

Legend



Streams & Rivers (Topographic)

Feature Type

— inde in re ree en re ne

— = ☐ en reihe

er en re ne

Rivers & Lakes (Topographic)

Feature Type



1211

□□□□□□□□□□**M**□□□



MAPLE RIDGE

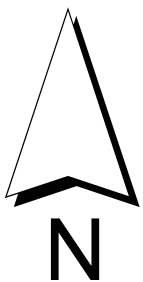
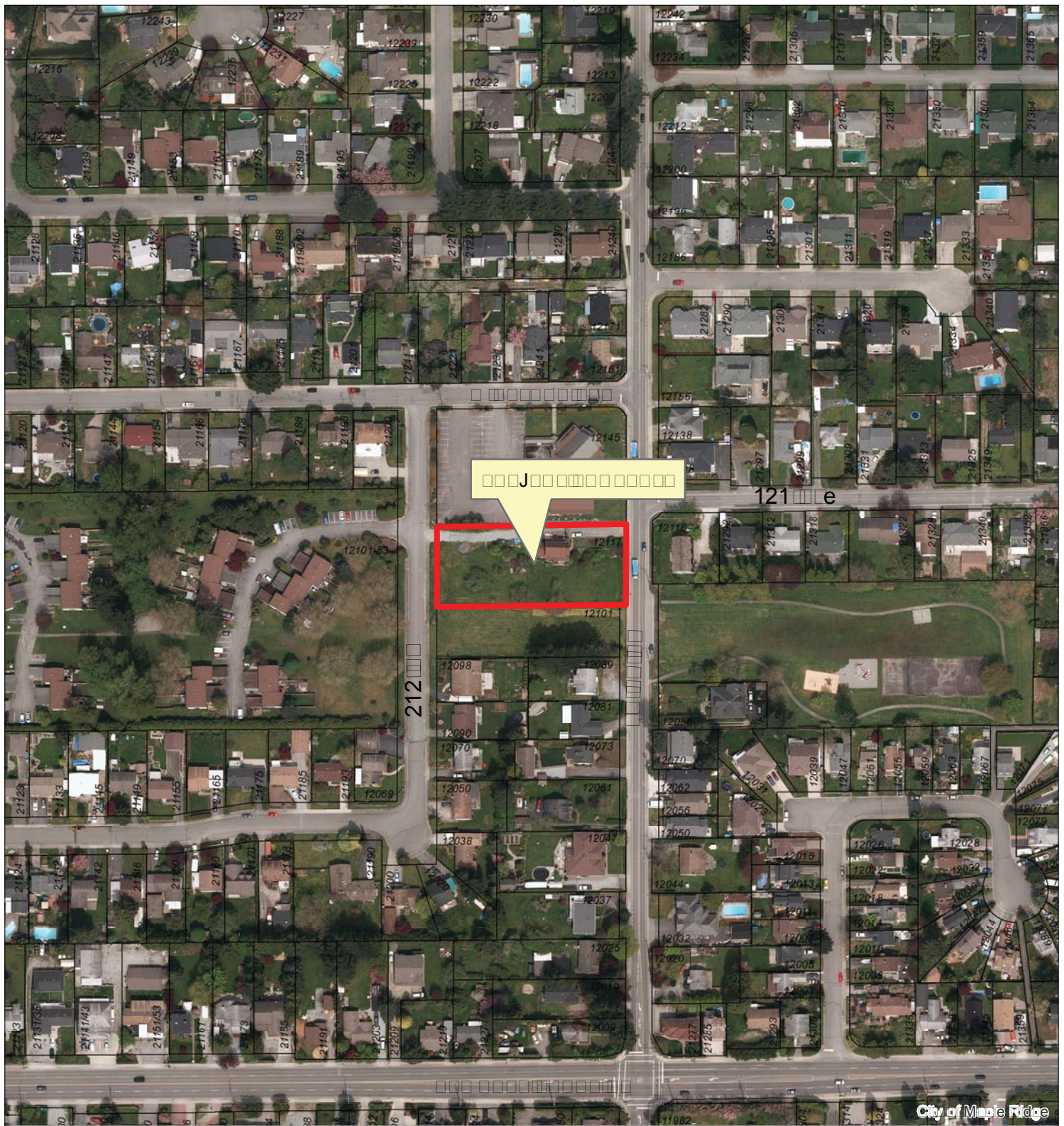
British Columbia

mapleridge.ca

201-11-

□□□□□Ju□□□□201□

□□□J□



e1200

Legend



end

ree en re the

Streams & R

Feature Type

index in the tree

— • ☐ ☐ ☐ ☐ ☐ en re:ne

erentrene

Rivers & Lakes (Topographic)

Feature Type

11

ded


 Microsoft Word

1211 □□□□□□□□

□□□□□□□□□□**M**□□□



MAPLE RIDGE

British Columbia

mapleridge.ca

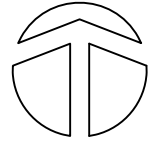
201-11-

□□□□□Ju□□□□201□

□□□J□

SKETCH PLAN SHOWING PROPOSED 6 LOT SUB

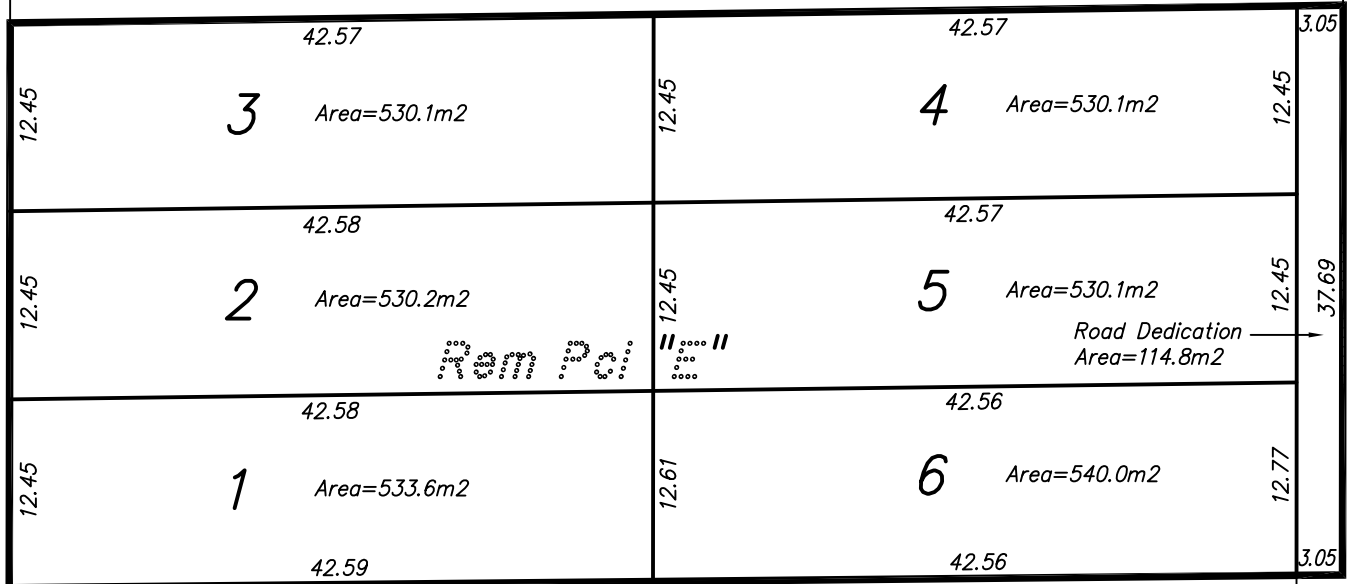
12117 Laity Street, Maple Ridge



N 180 F Of E

212th Street

Laity Street



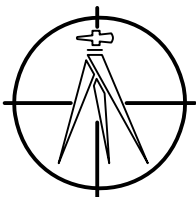
122

Hydro SRW Plan 18394

Gas Line

123

SCALE 1 : 500



Terra Pacific

Land Surveying Ltd

22371 St. Anne Avenue, Maple Ridge, BC
Phone: 604-463-2509 Fax: 604-463-4501

PAPER SIZE: 11"X8.5"

DATE: JUNE 19, 2015

FILE: MR15-193skSUB_6 LOTS

City of Maple Ridge

TO: Her Worship Mayor Nicole Read
and Members of Council
FROM: Chief Administrative Officer
SUBJECT: Drinking Water Quality Report 2015

MEETING DATE: June 20, 2016
FILE NO: 11-5600-05
MEETING: C of W

EXECUTIVE SUMMARY:

The City of Maple Ridge (City) operates a Municipal Water Utility under permit by the Fraser Health Authority (FHA) that requires an annual report be prepared and submitted to the FHA, and be available to the public. A less technical brochure has also been produced and will be available on the City's website and at the Municipal Hall Customer Service Centre.

This report is for information and the attached "Drinking Water Quality Report 2015" includes an outline of the regulatory framework, water quality monitoring data for 2015, and explanatory comments on the data. A copy of the report will be placed in the public library and on the corporate website.

In 2015, water quality within the City's municipal water distribution system met the standards detailed in the BC *Drinking Water Protection Regulation*.

RECOMMENDATION:

This report is for information only and no resolution is required.

DISCUSSION:

a) Background Context:

The City operates a Municipal Water Utility under the provisions of the provincial *Local Government Act*, and under permit by the Provincial Ministry of Health Services - Fraser Health Authority (FHA). Water quality requirements are stipulated by the Provincial *Drinking Water Protection Regulations* and administered by the FHA.

The City, as a distributor and purveyor of drinking water, is reliant on the Greater Vancouver Water District (GVWD) for source water quality control. While Coquitlam Lake is the primary source of water delivered to Maple Ridge, the GVWD can supply Maple Ridge with water from Seymour Lake in the event of disruptions at Coquitlam Lake.

The City's drinking water system operating permit requires a water quality monitoring program and that an annual report be prepared and submitted. While the monitoring program provides a representative picture of drinking water quality within municipal mains, it does not provide a definite picture of drinking water quality within buildings, where water quality can change significantly due to pipe materials, standing times, temperature, and other factors. It can be assumed that samples taken within buildings may be of different quality than those taken from municipal mains. The City is not responsible for testing/verifying water quality on private property.

Samples from 20 locations in the distribution system are taken weekly and are analyzed by Metro Vancouver. The results are sent to the Operations and Engineering Departments and to the FHA for review. In 2015, no samples tested positive for E. coli, and no samples exceeded the BC *Drinking Water Protection Regulation* microbiological standard of 10 total coliforms per 100mL.

b) Strategic Alignment:

Financial Management

Council has directed that the City provide high quality municipal services to our citizens and customers in a cost effective and efficient manner. The annual water quality monitoring program is intended to ensure that the water delivered by the City's utility is of high quality.

Smart Managed Growth

The Corporate Strategic Plan directs that municipal infrastructure be protected and managed through the preparation of appropriate plans to ensure maintenance of the system. A systematic water quality monitoring plan assists in ensuring that an effective water distribution system is managed and maintained.

Intergovernmental Relations/Partnerships

Council has directed that the City develop and maintain strong positive working relationships with the GVWD and other governmental agencies.

The City currently benefits from good working relationships with the GVWD and FHA in the cooperative provision of quality drinking water. The annual monitoring program and report facilitates this effective relationship.

c) Citizen/Customer Implications:

Maple Ridge water utility customers expect that the investment in the network be maintained to provide safe, reliable and high quality water. The annual reporting of water quality is a means to meet the accountability that customers expect.

d) Interdepartmental Implications:

As part of the Public Works and Development Services Division, the Engineering and Operations Departments collaborate in the water utility's planning, management, operation, maintenance and water quality reporting to meet water quality objectives.

e) Policy Implications:

The reporting of water quality is consistent with the public policy approach of transparency and accountability as well as meeting the requirements of the FHA.

CONCLUSIONS:

The City monitored drinking water quality in 2015 in accordance with the Provincial mandate. Testing indicated that all samples met the standards detailed in the provincial *Drinking Water Protection Regulation*. The “Drinking Water Quality Report 2015” documents the water quality monitoring program and test results. The document was prepared in accordance with Fraser Health Authority requirements and will be available to the public.

“Original signed by Joe Dingwall”

Prepared by: **Joe Dingwall, PEng.**
Manager of Utility Engineering

“Original signed by David Pollock”

Reviewed by: **David Pollock, PEng.**
Municipal Engineer

“Original signed by Frank Quinn”

Approved by: **Frank Quinn, MBA, PEng.**
General Manager: Public Works & Development Services

“Original signed by E.C. Swabey”

Concurrence: **E.C. Swabey**
Chief Administrative Officer

JD/mi

Attachment: City of Maple Ridge Drinking Water Quality Report 2015



CITY OF MAPLE RIDGE
DRINKING WATER QUALITY REPORT
2015



June 7, 2016

Table of Contents

List of Abbreviations	2
Executive Summary	3
1.0 Introduction	4
2.0 Background	5
2.1 Source Water	5
2.2 Distribution System.....	5
2.3 Facility Maintenance.....	5
2.4 Re-Chlorination Stations.....	5
3.0 Regulated Drinking Water Quality Parameters	6
3.1 Water Quality Sampling and Monitoring.....	6
3.2 Bacteriological Monitoring and Results.....	6
3.2.1 Escherichia Coli	6
3.2.2 Total Coliform	7
3.2.3 Frequency of Monitoring Samples	8
4.0 Unregulated Drinking Water Quality Parameters.....	9
4.1 Free Chlorine	9
4.2 Turbidity	10
4.3 Heterotrophic Plate Count	11
4.4 Disinfection Byproducts.....	12
4.5 pH.....	13
4.6 Metals	13
4.7 Temperature.....	13
4.8 Vinyl Chloride.....	14
5.0 Response to Potential Contamination	14
6.0 Public Health Message from the Medical Health Officer	14
7.0 Conclusion	14
Appendix A: Sampling Station Locations	15
Appendix B: Residual Free Chlorine Figures	17
Appendix C: Disinfection By-Products and pH.....	21
Appendix D: Metals and Vinyl Chloride	23
Appendix E: Metals without Maximum Concentration Guidelines	26
Appendix F: Free Chlorine and Turbidity Charts.....	28
Appendix G: Weekly Sample Lab Results	39
Appendix H: Preventing Water-Borne Infections for People with Weakened Immune Systems	74

List of Abbreviations

L	=	litre
mL	=	milliliter
g	=	gram
mg	=	milligram
µg	=	microgram
ppb	=	parts per billion
°C	=	degree Celsius
E. coli	=	Escherichia coli
NTU	=	Nephelometric Turbidity Units
HPC	=	heterotrophic plate count
CFU	=	colony-forming unit
THM	=	trihalomethane
HAA	=	haloacetic acid
USEPA	=	United States Environmental Protection Agency
Cl ₂	=	chlorine
MF	=	membrane filtration
EOCP	=	Environmental Operators Certification Program

Executive Summary

The City of Maple Ridge (City) is a distributor of water that is supplied and treated by Metro Vancouver from its Coquitlam Lake source. In 2015, the City supplied water to approximately 75,000 people.

In accordance with the requirements of the BC *Drinking Water Protection Regulation*, the City sends weekly drinking water samples from 20 locations to a laboratory for analysis. Test results are communicated to the City and the Fraser Health Authority every week and documented in this annual report. In 2015, the City met all regulatory requirements for drinking water quality set out in the BC *Drinking Water Protection Regulation*:

- No samples tested positive for E. coli
- For each 30-day period, over 90% of samples had 0 total coliform per 100mL, and no sample had more than 10 total coliform per 100mL

In monitoring unregulated drinking water quality parameters, the City follows the 2008 *Water Quality Monitoring and Reporting Plan for Metro Vancouver and Member Municipalities* and compares laboratory results to Health Canada recommendations for drinking water quality. In 2015, City water did not exceed any maximum limits recommended by Health Canada with the exception of water temperature and Total Haloacetic acids (HAAs). For HAA's, one of four sample stations (MPR-438) exceeded Health Canada's recommended quarterly running average limit of 80 parts per billion (ppb) with results of 78, 88, 86 and 81 ppb. In response to the elevated HAA levels, City staff consulted with the Fraser Health Authority, increased the testing frequency and modified system operations to minimize HAA formation. Samples taken from MPR-438 in early 2016 had concentrations that brought the running quarterly average to less than 78 ppb. Additional information on HAAs is provided on page 12 and in Appendix C.

1.0 Introduction

The City operates a Municipal Water Utility under the provisions of the provincial *Local Government Act*, the *BC Drinking Water Protection Act*, and the *BC Drinking Water Protection Regulation*. These obligate the City to meet several requirements, including:

- Operating the utility under permit by the Provincial Ministry of Health Services
- Engaging in water quality monitoring

The roles and responsibilities for the Province, Fraser Health Authority, and Metro Vancouver/City of Maple Ridge (Water System Owners) are shown in Figure 1.

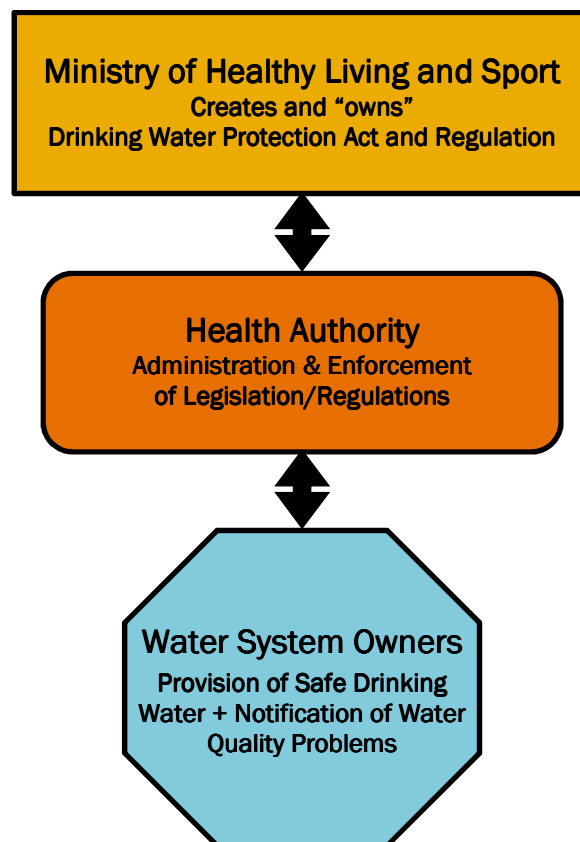


Figure 1: Agency Responsibilities for Water Quality

2.0 Background

The City is supplied with water from the protected and undeveloped Metro Vancouver watersheds. Drinking water is conveyed to Maple Ridge residents through large diameter Metro Vancouver transmission mains and approximately 400km of municipal water distribution pipes.

2.1 Source Water

Metro Vancouver supplies water to the City through a series of pipes linking Maple Ridge to the Coquitlam, Seymour and Capilano watersheds. While the Coquitlam watershed is the primary source of water for Maple Ridge, Metro Vancouver has the ability to convey water from the Seymour watershed to Maple Ridge in the event of a service disruption at the Coquitlam source. Metro Vancouver operates an ultra violet (UV) light water treatment facility at the Coquitlam watershed which disinfects source water prior to it entering the distribution system.

2.2 Distribution System

The City distributes water to businesses, institutions and over 75,000 residents. Water distribution infrastructure includes approximately 400km of water mains, over 19,000 service connections, 8 pump stations, and 8 reservoir sites. The Municipality also operates 6 re-chlorination stations to boost residual chlorine levels in the distribution system.

The distribution system is managed by a team of professionals within the Public Works and Development Services Division, under the leadership of the General Manager of Public Works and Development Services. The operators of the system are EOCP Level 4 compliant. The system is also regulated by Maple Ridge's Water Service Bylaw 6002-2001.

2.3 Facility Maintenance

Water quality is influenced by water system maintenance and improvement strategies that are implemented by the City's Operations and Engineering Departments.

Water main flushing is a method of cleaning water mains. Flushing involves manipulating valves and discharging water through fire hydrants or blow off points. The discharged water carries sediment and other solids with it, thus cleaning the mains. The City cleaned 167km of the distribution system using this method in 2015. In support of summer water conservation efforts, the City's annual flushing program is scheduled to take place only between October and May. Further, the City currently cleans its reservoirs on a 7 year cycle.

Water quantity, quality, and reliability can be improved through the repair and strategic replacement of water mains. Computer modeling and asset management analyses are carried out to identify future deficiencies in the system and plan improvements.

2.4 Re-Chlorination Stations

Chlorine levels are continually monitored at 6 re-chlorination stations throughout the distribution system. Additional chlorine is automatically injected into the drinking water at these locations if detected chlorine levels are too low. The re-chlorination stations are inspected daily and adjusted as necessary.

3.0 Regulated Drinking Water Quality Parameters

Metro Vancouver and the City are responsible for monitoring water quality in different parts of the regional drinking water system. Metro Vancouver is responsible for monitoring the quality of water leaving the treatment plants and within their transmission mains. The City is responsible for monitoring water quality in distribution mains throughout Maple Ridge.

The quality of water distributed within the City is monitored in accordance with requirements set out in provincial regulations. This section describes the monitoring program and water quality results for 2015.

3.1 Water Quality Sampling and Monitoring

Water quality is monitored for regulatory compliance on a weekly basis at the City's 20 sampling locations.

Sampling site locations and codes are illustrated on a map in Appendix B. Samples are taken weekly by City Operations Department staff and sent to the Metro Vancouver laboratory for analysis. Metro Vancouver staff members analyze the samples and communicate the results to City and Fraser Health staff for review. Responses to unacceptable results would vary from re-sampling to flushing water mains to possibly issuing a boil water advisory, depending on confirmation and the significance of the parameter of concern.

The monitoring program provides a representative picture of drinking water quality within municipal water mains. However, it does not provide a definitive picture of drinking water quality within buildings where water quality can change significantly due to pipe material, standing time, temperature, and other factors. It can be assumed that samples taken within buildings will be of different quality than those taken from municipal mains. The City is not responsible for water quality on private property.

3.2 Bacteriological Monitoring and Results

The BC Drinking Water Protection Regulation requires the City to carry out routine sampling and testing for *Escherichia coli* (*E. coli*) and total coliform bacteria. These are considered “indicator organisms” because their presence or absence provides an indication of microbial water quality. Figure 2 and Figure 3 show Metro Vancouver Laboratory technicians processing a water sample and testing it for the presence of coliform bacteria.

3.2.1 Escherichia Coli

E. coli is a type of coliform bacteria present exclusively in the feces of humans and other animals. The existence of *E. coli* in a water sample indicates recent fecal contamination and the possible presence of intestinal disease-causing bacteria, viruses, and protozoa. The BC Drinking Water Protection Regulation standard for *E. coli* is none detectable per 100 ml. In 2015, no samples tested positive for *E. coli*.



Figure 2: Metro Vancouver Laboratory technician processing water sample in preparation for coliform bacteria check



Figure 3: Metro Vancouver Laboratory technician checking water sample for coliform bacteria

3.2.2 Total Coliform

The total coliform group of bacteria is composed of various types with similar characteristics. The natural niches for members of this group range from being fecal-specific, such as *E. coli*, to being widely distributed in water, soil, and vegetation. The BC Drinking Water Protection Regulation standards for total coliform are described in Table 1.

Table 1: BC Drinking Water Protection Regulation Standards for Total Coliform

Occurrence	Standard
1 Sample in a 30 day period	No detectable total coliform per 100mL
More than 1 sample in a 30 day period	At least 90% of samples have 0 total coliform per 100mL and no sample has more than 10 total coliform per 100mL

In 2015 there were 3 samples with detectable total coliform per 100mL. No sample had more than 10 total coliform per 100mL and at least 90% of samples in every 30 day period had 0 total coliform per 100mL. Table 2 lists the annual number of samples found to contain total coliform between 2006 and 2015.

Table 2: Total Coliform Results by Year

Year	Number of Samples with Total Coliform
2015	3
2014	0
2013	0
2012	2
2011	1
2010	3
2009	1
2008	0
2007	5
2006	0

3.2.3 Frequency of Monitoring Samples

The monitoring frequency for the detection of E. coli and total coliforms is stipulated by the BC Drinking Water Protection Regulation. Current requirements are identified in Table 3. With a total of 20 weekly sampling sites at various points in the City's water distribution system, the average number of monthly samples (87) exceeds the stipulated value of 75 (based on a directly serviced population of approximately 75,000). As the City's population grows, additional sampling sites will be added.

Table 3: Monitoring Frequency for the detection of E. coli and total coliforms

Population Served	Target No. of Samples per Month
Less than 5,000	4
5,000 to 90,000	1 per 1,000 of population
More than 90,000	90 plus 1 per 10,000 of population in excess of 90,000

4.0 Unregulated Drinking Water Quality Parameters

This section reports on water quality parameters that are not regulated through legislation.

4.1 Free Chlorine

In the *Guidelines for Canadian Drinking Water Quality*, Health Canada states that for health considerations, a “guideline value [maximum acceptable concentration level for chlorine] is not necessary due to low toxicity at concentrations found in drinking water.”

With respect to a minimum chlorine concentration, no regulations exist for British Columbia. However, Health Canada reports the following:

“the U.S. Environmental Protection Agency (EPA) Surface Water Treatment Rule requires a minimum disinfectant residual of 0.2 mg/L for water entering the distribution system and that a detectable level be maintained throughout the distribution system. The World Health Organization (WHO) has suggested that, for areas with little risk of cholera or related outbreaks, a free chlorine residual range of 0.2-0.5 mg/L be maintained at all points in the supply. In general, a free chlorine residual of 0.2 mg/L is considered a minimum level for the control of bacterial regrowth in the distribution system.”¹

Health Canada also reports that “free chlorine concentrations in most Canadian drinking water distribution systems range from 0.04 to 2.0 mg/L.”²

Residual chlorine concentrations are affected by various parameters such as water age, turbidity levels, pipe material, and temperature.

Table 5 and the maps in Appendix B show that:

- In 2015, the average free chlorine residual at all stations in Maple Ridge was greater than 0.2 mg/L
- Stations 400, 441 and 449 had the greatest number of samples with chlorine residuals less than 0.2 mg/L

Detailed free chlorine residual data charted in Appendix F and tabulated in Appendix G indicates that 13 of the 1,041 samples had no chlorine residual. All 13 samples in 2015 with no chlorine were taken at sampling stations in low-demand locations, stations 400, 441 and 449. Of the samples with undetectable chlorine levels, one sample from station 441 contained Total Coliforms and HPC counts were elevated in two samples from station 400. Table 4 displays the tested water quality parameters of the 13 samples with undetectable chlorine.

¹ Guidelines for Canadian Drinking Water Quality - Guideline Technical Document - Chlorine - (Health Canada, 2009)

² Guidelines for Canadian Drinking Water Quality - Guideline Technical Document - Chlorine - (Health Canada, 2009)

Table 4: Water Quality Parameters for Samples with Undetectable Chlorine

Sample name	Sample Location	Sampled Date	Cl ₂ Free mg/L	Ecoli MF/ 100mL	HPC CFU/ mL	Temp. °C	Total Coliform MF/ 100mL	Turb. NTU
MPR-400	Powell Ave. West of 203rd Street	25-Aug-15	<0.01	<1	14	18	<1	0.2
MPR-400	Powell Ave. West of 203rd Street	1-Sep-15	<0.01	<1	<2	18	<1	0.2
MPR-400	Powell Ave. West of 203rd Street	22-Sep-15	<0.01	<1	160	17	<1	0.36
MPR-400	Powell Ave. West of 203rd Street	6-Oct-15	<0.01	<1	2800	16	<1	0.29
MPR-400	Powell Ave. West of 203rd Street	13-Oct-15	<0.01	<1	5500	16	<1	0.34
MPR-441	132 Ave. @ Cedar Way	24-Mar-15	<0.01	<1	<2	9	<1	0.34
MPR-441	132 Ave. @ Cedar Way	1-Sep-15	<0.01	<1	26	19	<1	0.27
MPR-441	132 Ave. @ Cedar Way	15-Sep-15	<0.01	<1	130	17	1	0.38
MPR-441	132 Ave. @ Cedar Way	22-Sep-15	<0.01	<1	32	17	<1	0.37
MPR-449	Meadow Brook North of Douglas	1-Sep-15	<0.01	<1	50	20	<1	0.25
MPR-449	Meadow Brook North of Douglas	22-Sep-15	<0.01	<1	32	18	<1	0.33
MPR-449	Meadow Brook North of Douglas	6-Oct-15	<0.01	<1	54	17	<1	0.52
MPR-449	Meadow Brook North of Douglas	10-Nov-15	<0.01	<1	60	13	<1	0.54

4.2 Turbidity

Turbidity, measured in Nephelometric Turbidity Units (NTU), is a measure of water clarity. There are no provincial guidelines for turbidity within a distribution system. Average turbidity values at all sample stations are displayed below in Table 5. Detailed turbidity data for 2015 is charted in Appendix F and tabulated in Appendix G.

Variations in turbidity within a distribution system are normal. Higher levels may be associated with turbidity in source water or local system events such as high flow rates from unidirectional flushing, fire-fighting, or water main breaks. In the event that a high level of turbidity is detected, the City will determine whether this is expected due to system operations. If the event is unexpected, the City will confirm turbidity level and flush the mains should high turbidity levels persist.

Table 5: 2015 Chlorine Residual and Turbidity Results by Site

Station	Total Samples Taken	Average Free Chlorine in mg/L	Average Turbidity in NTU	Samples Taken with Free Chlorine Greater Than or Equal to 0.2 mg/L (#)	Samples Taken with Free Chlorine Less Than 0.2 mg/L (#)	Samples Taken with Free Chlorine Greater Than or Equal to 0.2 mg/L (%)	Samples Taken with Free Chlorine Less Than 0.2 mg/L (%)
MPR-400	53	0.24	0.32	31	22	58%	42%
MPR-431	52	1.01	0.45	52	0	100%	0%
MPR-432	52	0.70	0.41	52	0	100%	0%
MPR-433	52	0.79	0.41	52	0	100%	0%
MPR-434	52	0.55	0.43	51	1	98%	2%
MPR-435	52	0.42	0.48	46	6	88%	12%
MPR-436	52	0.73	0.40	48	4	92%	8%
MPR-437	52	0.96	0.41	52	0	100%	0%
MPR-438	52	0.84	0.41	51	1	98%	2%
MPR-439	52	0.55	0.38	47	5	90%	10%
MPR-440	52	1.00	0.47	52	0	100%	0%
MPR-441	52	0.21	0.44	19	29	37%	56%
MPR-442	52	0.56	0.40	52	0	100%	0%
MPR-443	52	0.82	0.43	52	0	100%	0%
MPR-444	52	0.52	0.41	52	0	100%	0%
MPR-445	52	0.55	0.34	47	5	90%	10%
MPR-446	52	0.68	0.47	42	10	81%	19%
MPR-447	52	0.69	0.43	52	0	100%	0%
MPR-448	52	0.54	0.42	47	5	90%	10%
MPR-449	52	0.26	0.40	27	21	52%	40%

4.3 Heterotrophic Plate Count

Health Canada does not suggest a maximum acceptable concentration for heterotrophs. Instead, it recommends that increases in heterotrophic plate count (HPC) concentrations above baselines levels be considered undesirable.

Table 6 shows the annual number of samples with HPCs over 500 CFU/mL between 2006 and 2015. In response to HPC counts at or above the level, the City will re-test and flush water mains. HPC data for each sample taken in 2015 is provided in Appendix G.

Table 6: HPC Results by Year

Year	Number of Samples with HPC > 500 CFU/mL
2015	5
2014	0
2013	0
2012	0
2011	1
2010	1
2009	1
2008	4
2007	1
2006	7

4.4 Disinfection Byproducts

Disinfection byproducts such as trihalomethanes (THMs) and haloacetic acids (HAAs) can form when chlorine used to disinfect drinking water reacts with naturally occurring organic matter. Health risks may be associated with long-term exposure to high levels of THMs and HAAs.

Trihalomethanes

Health Canada considers THMs to be possibly carcinogenic to humans. Health Canada also reports that “High Levels of THMs may also have an effect on pregnancy. A California study found that pregnant women who drank large amounts of tap water with high THMs had an increased risk of miscarriage. These studies do not prove that there is a link between THMs and cancer or miscarriage. However, they do show the need for further research in this area to confirm potential health effects.”³

Health Canada recommends that the running average (last 4 quarters) for Total THMs remain below 100 ppb. Quarterly samples were taken at four sites for THM analysis. The running quarterly average THM concentration in the samples remained below 100 ppb at all locations. Detailed THM test results are provided in Appendix C.

Haloacetic acids

Health Canada considers HAAs to be possibly carcinogenic to humans. Health Canada recommends that the running average (last 4 quarters) total HAA concentration be below 80 ppb. Quarterly samples were taken at four sites for HAA analysis. The running quarterly average HAA concentration remained below 80 ppb for all locations with the exception of MPR-438 which experienced running average values of 78, 88, 86 and 81 ppb. Detailed HAA test results are provided in Appendix C.

In response to elevated HAA levels at station MPR-438, City staff have consulted with the Fraser Health Authority, increased the testing frequency and modified system operations to minimize HAA formation. Samples taken from MPR-438 in early 2016 had concentrations of 58, 51 and 38 ppb, bringing the running quarterly average to less than 78 ppb. Running average HAA concentrations at MPR-438 between 2010 and 2015 ranged from 32 (May 2012) to 76 ppb (January 2010). Single sample values ranged from 9 (September 2011) to 112 ppb (November 2014).

³ Health Canada Website <http://www.hc-sc.gc.ca/hl-vs/iyh-vsv/envIRON/chlor-eng.php> accessed January 2015

4.5 pH

pH is a measure of the acid-base equilibrium of water. pH is of concern in a water distribution system because at low values water becomes corrosive while at high values chlorine disinfection is less efficient. Health Canada indicates that an acceptable pH range for drinking water is 6.5 – 8.5 pH units. 8 distribution system samples were tested for pH. Test results ranged of 7.1 to 7.3 pH units (See Appendix C).

4.6 Metals

The City tested samples at 3 monitoring sites for concentrations of various metals. Test results are shown in Appendix D, along with maximum concentration limits suggested by Health Canada and the U.S. Environmental Protection Agency (USEPA). USEPA values are referenced only where Health Canada does not recommend a limit. As shown in Appendix D, all measured metal concentrations were below the limits recommended by Health Canada and the USEPA. Neither Health Canada nor the USEPA suggest drinking water quality guidelines for calcium, cobalt, magnesium, molybdenum, nickel or potassium. Additional information related to concentrations of these metals is provided in Appendix E.

4.7 Temperature

Health Canada sets an aesthetic objective of 15°C for drinking water. Water temperature exceeding this objective can result in consumer complaints and the growth of nuisance organisms that could lead to unpleasant tastes and odors. Figure 4 shows average monthly drinking water temperatures in Maple Ridge. In July, August, and September the average monthly temperatures were 18.1, 18.6, 16.2 respectively exceeding Health Canada's objective. Detailed temperature information is provided in Appendix G.

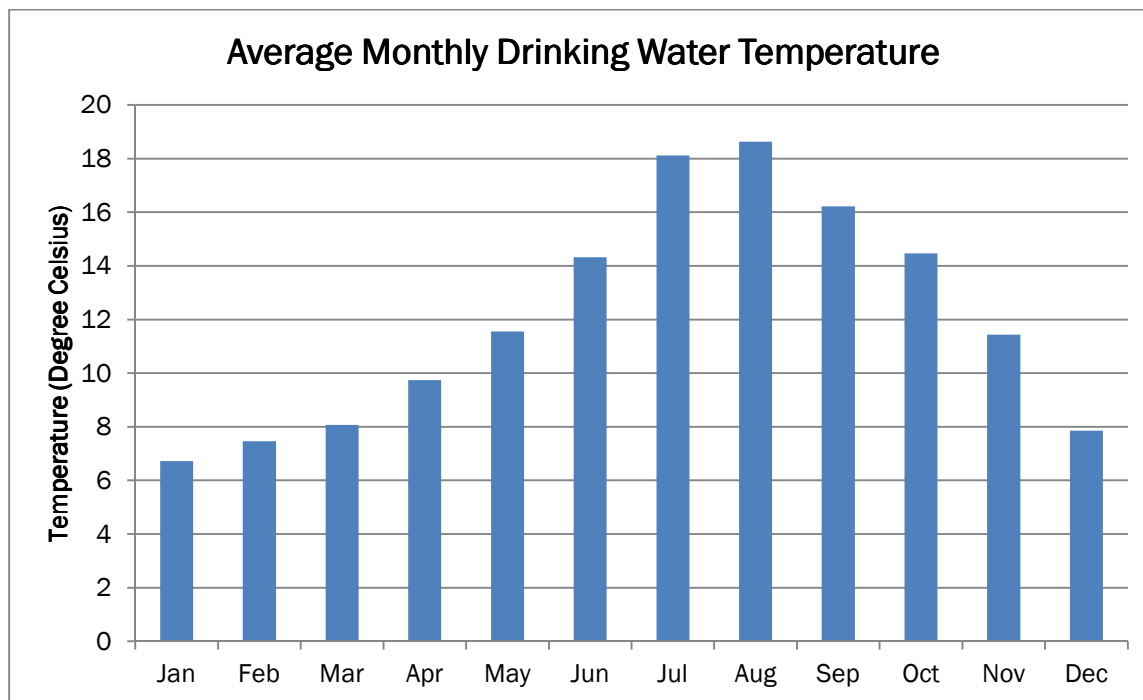


Figure 4: Average Monthly Drinking Water Temperature Chart

4.8 Vinyl Chloride

The concentration of vinyl chloride was tested in 6 samples during 2015. As indicated in Appendix D, all results were non-detectable (less than 1 µg/L), less than the Health Canada Guideline of 2 µg/L.

5.0 Response to Potential Contamination

In the event that contaminants are detected in the water distribution system, a series of protocols will be carried out to communicate the event to City and Fraser Health Authority staff. The City and Fraser Health will then work together to confirm the incident, determine the nature of the risk to public health, and issue public notices as appropriate. Depending on the level of risk a water quality advisory, boil water notice, or do-not-use water notice could be issued. Public notices would be communicated through various media. The City's contamination response plan is embedded in emergency planning documents.

6.0 Public Health Message from the Medical Health Officer

Fraser Health's Medical Health Officer has requested that a fact sheet entitled "*Preventing Water-Borne Infections for People with weakened Immune Systems*" be included in this report. The fact sheet is presented in Appendix H. Additionally, the Medical Health Officer has requested the following message be included in this report:

Anytime the water in a particular faucet has not been used for six hours or longer, "flush" your cold-water pipes by running the water until you notice a change in temperature. (This could take as little as five to thirty seconds if there has been recent heavy water use such as showering or toilet flushing. Otherwise, it could take two minutes or longer.) The more time water has been sitting in your home's pipes, the more lead it may contain.

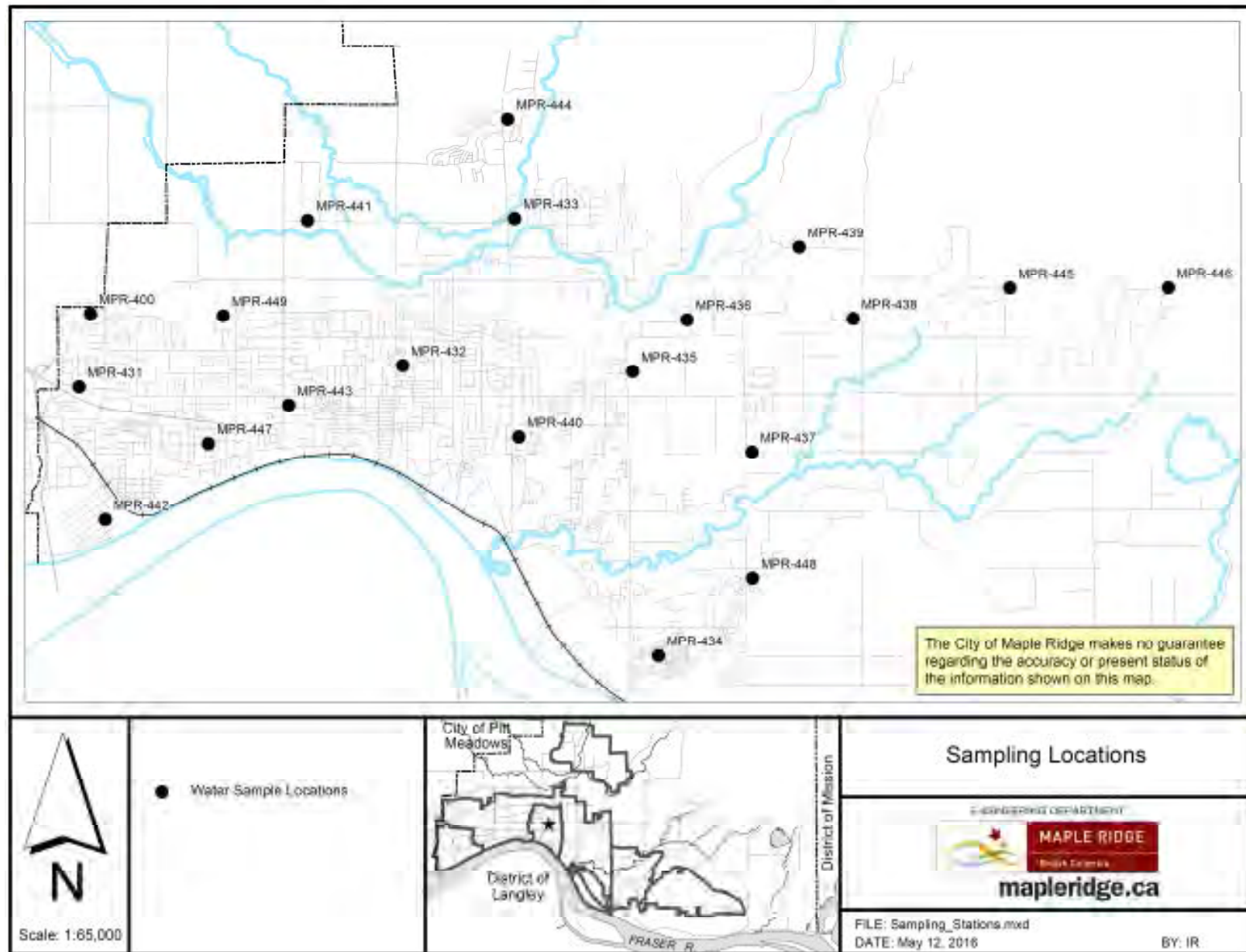
Use only water from the cold-tap for drinking, cooking, and especially making baby formula. Hot water is likely to contain higher levels of lead.

The two actions recommended above are very important to the health of your family. They will probably be effective in reducing lead levels because most of the lead in household water usually comes from the plumbing in your house, not the local water supply.

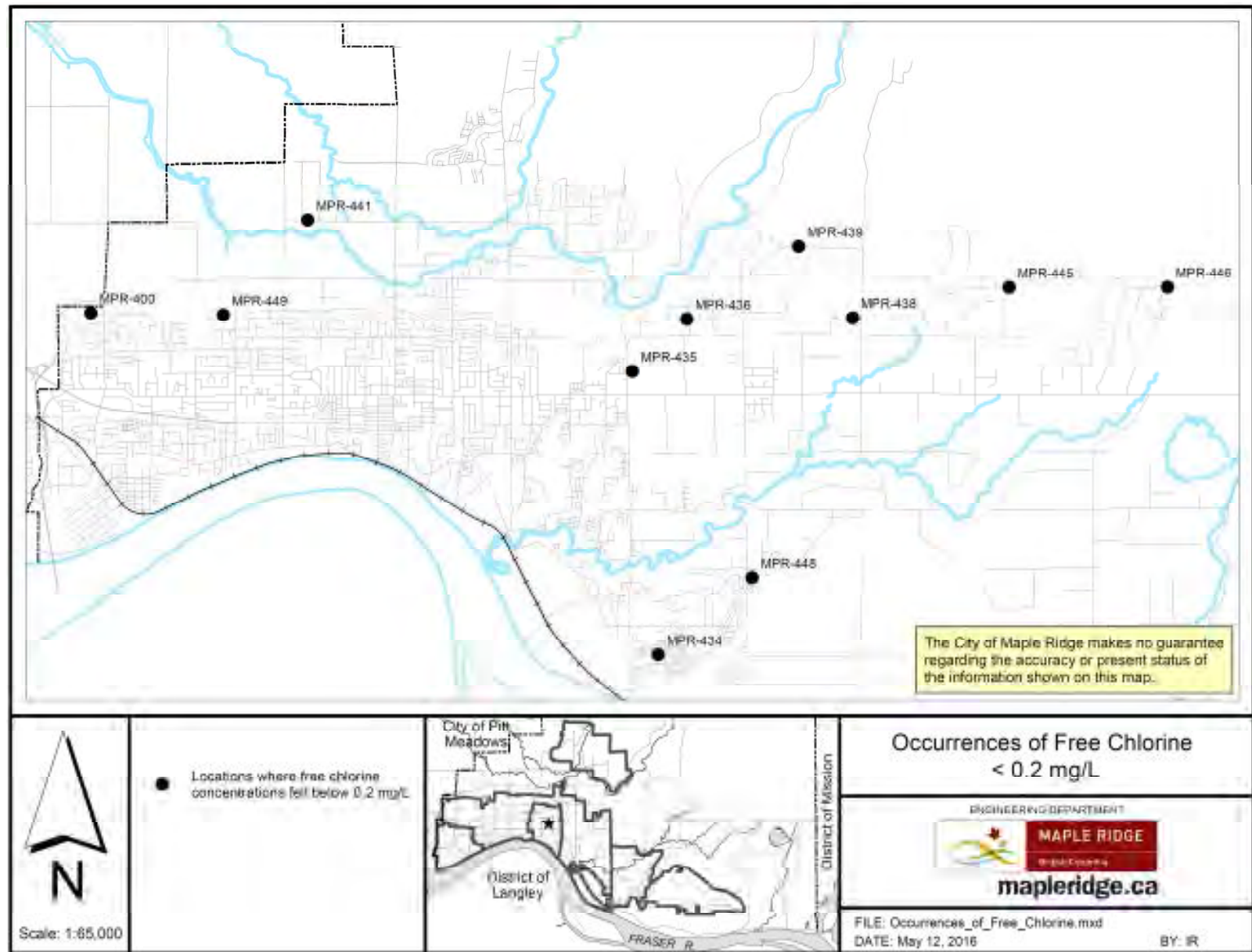
7.0 Conclusion

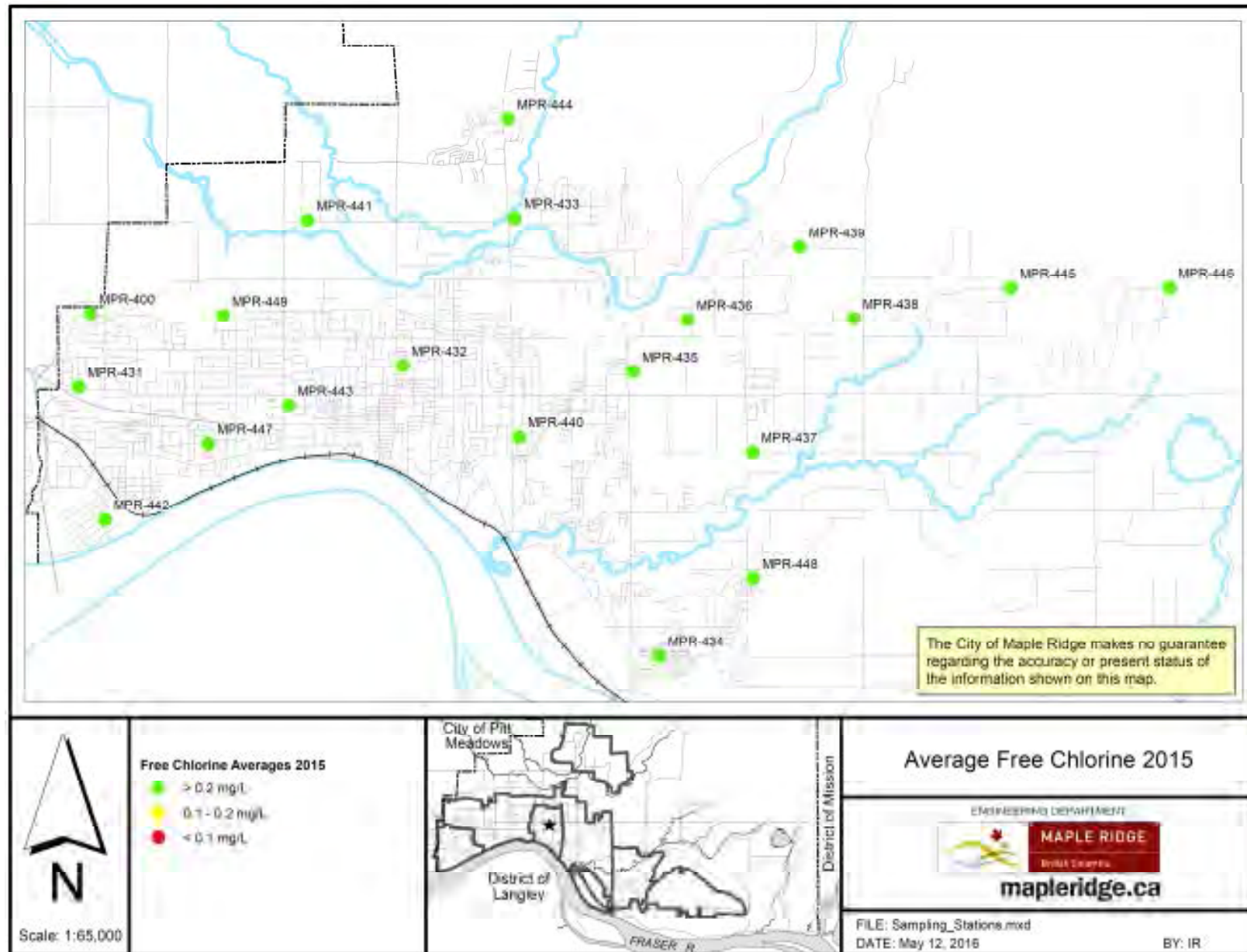
The City monitored drinking water quality in 2015 in accordance with provincial regulations. 1041 drinking water samples were obtained from the municipal water distribution system at 20 sites throughout the City. Metro Vancouver Laboratory testing indicated that all samples met Provincial *Drinking Water Protection Regulation* Standards.

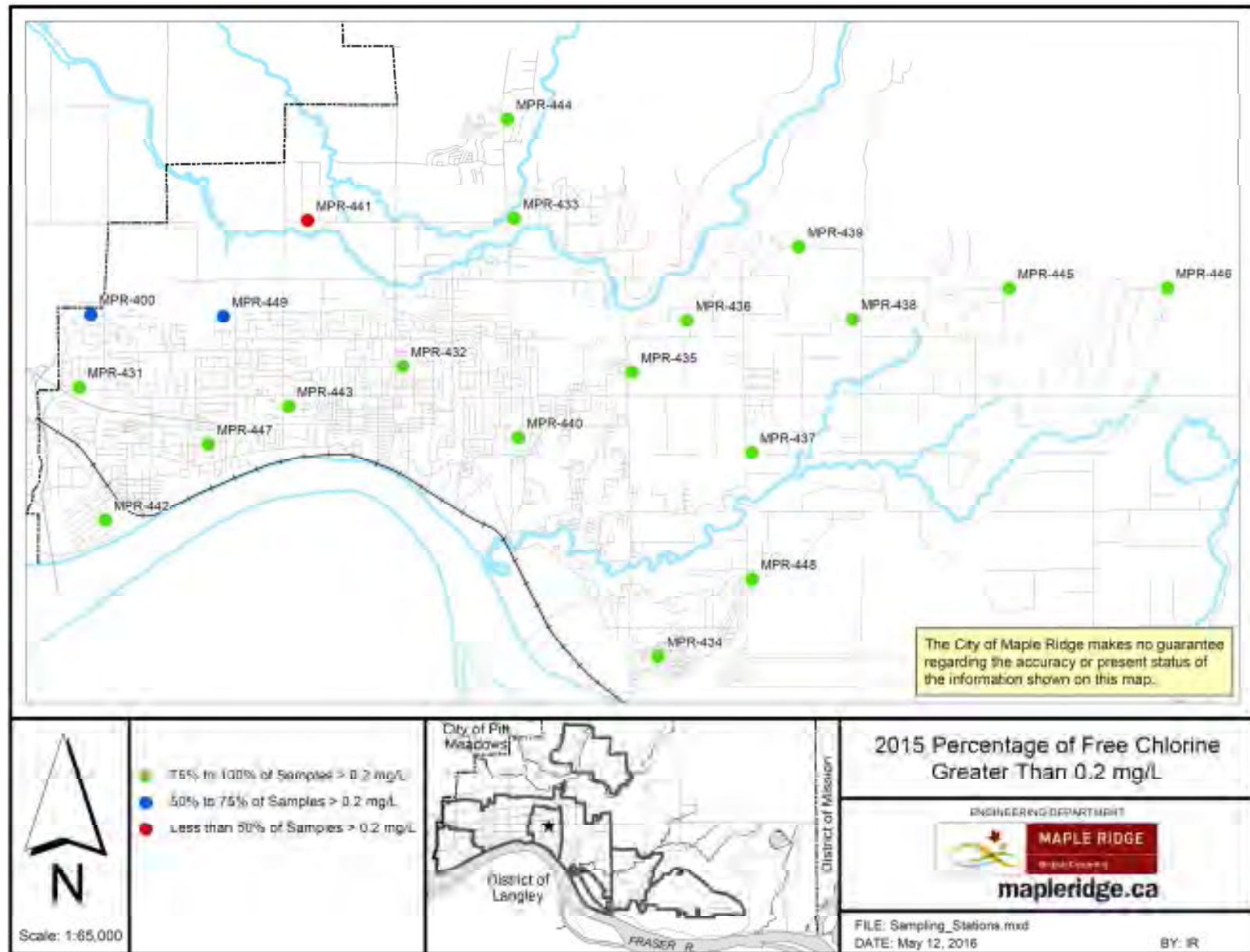
Appendix A: Sampling Station Locations



Appendix B: Residual Free Chlorine Figures







Appendix C: Disinfection By-Products and pH

Sample Site	Sample Location	Date Sampled	THM (ppb)						HAA (ppb)							pH Units	
			Bromodichloromethane	Bromoform	Chlorodibromomethane	Chloroform	Total Trihalomethanes	Running Average (Last 4 Quarters)	Dibromoacetic Acid	Dichloroacetic Acid	Monobromoacetic Acid	Monochloroacetic Acid	Trichloroacetic Acid	Total Haloacetic Acid	Running Average (Last 4 Quarters)		
Maximum Acceptable Concentration (Health Canada Guidelines for Canadian Drinking Water Quality)			16					100								80	6.5-8.5
MPR-434	102 Ave. East of 241A St.	06/06/2014	<1	<1	<1	29	30		<0.5	14	<1	8	12	35			
MPR-434	102 Ave. East of 241A St.	02/09/2014	<1	<1	<1	28	29		<0.5	15	1	10	17	44			
MPR-434	102 Ave. East of 241A St.	18/11/2014	<1	<1	<1	52	53		<0.5	9	<1	5	46	61			
MPR-434	102 Ave. East of 241A St.	17/02/2015	<1	<1	<1	42	43	38	<0.5	19	<1	9	40	68	52		
MPR-434	102 Ave. East of 241A St.	19/05/2015	<1	<1	<1	43	43	42	<0.5	18	<1	8	25	52	56		
MPR-434	102 Ave. East of 241A St.	18/08/2015	1	<1	<1	37	38	44	<0.5	20	<1	9	32	62	61		
MPR-434	102 Ave. East of 241A St.	24/11/2015	<1	<1	<1	28	30	39	<0.5	17	<1	9	23	49	58		
MPR-435	240 St. South of Abernethy Way	06/06/2014	<1	<1	<1	32	33		<0.5	13	<1	7	17	38			
MPR-435	240 St. South of Abernethy Way	02/09/2014	1	<1	<1	37	38		<0.5	12	2	6	37	57			
MPR-435	240 St. South of Abernethy Way	18/11/2014	<1	<1	<1	48	49		<0.5	19	<1	9	38	67			
MPR-435	240 St. South of Abernethy Way	17/02/2015	<1	<1	<1	37	38	39	<0.5	16	<1	9	30	54	54	7.1	
MPR-435	240 St. South of Abernethy Way	19/05/2015	<1	<1	<1	44	44	42	<0.5	16	<1	4	26	48	56	7.2	
MPR-435	240 St. South of Abernethy Way	18/08/2015	1	<1	<1	44	45	44	<0.5	12	<1	6	37	57	56	7.1	
MPR-435	240 St. South of Abernethy Way	24/11/2015	<1	<1	<1	34	36	41	<0.5	18	<1	7	27	53	53	7.1	
MPR-438	125 Ave. West off 256 St.	06/06/2014	<1	<1	<1	37	38		<0.5	16	<1	10	20	46			
MPR-438	125 Ave. West off 256 St.	02/09/2014	1	<1	<1	36	37		<0.5	23	<1	12	37	73			
MPR-438	125 Ave. West off 256 St.	18/11/2014	<1	<1	<1	54	55		<0.5	36	<1	13	62	112			
MPR-438	125 Ave. West off 256 St.	17/02/2015	<1	<1	<1	43	44	43	<0.5	30	1	9	41	82	78	7.2	
MPR-438	125 Ave. West off 256 St.	19/05/2015	<1	<1	<1	55	56	48	<0.5	29	<1	9	48	86	88	7.2	
MPR-438	125 Ave. West off 256 St.	18/08/2015	<1	<1	<1	37	38	48	<0.5	27	<1	8	29	65	86	7.2	
MPR-438	125 Ave. West off 256 St.	24/11/2015	<1	<1	<1	52	54	48	<0.5	29	<1	12	50	91	81	7.3	
MPR-440	232 St. @ 117 Ave.	06/06/2014	<1	<1	<1	26	27		<0.5	13	<1	8	12	35			
MPR-440	232 St. @ 117 Ave.	02/09/2014	<1	<1	<1	23	24		<0.5	12	<1	10	14	37			
MPR-440	232 St. @ 117 Ave.	18/11/2014	<1	<1	<1	39	40		<0.5	19	<1	11	24	55			
MPR-440	232 St. @ 117 Ave.	17/02/2015	<1	<1	<1	30	31	30	<0.5	17	<1	7	16	41	42		
MPR-440	232 St. @ 117 Ave.	19/05/2015	<1	<1	<1	44	44	35	<0.5	19	<1	9	22	50	46		
MPR-440	232 St. @ 117 Ave.	18/08/2015	<1	<1	<1	27	28	36	<0.5	22	<1	9	20	51	49		
MPR-440	232 St. @ 117 Ave.	24/11/2015	<1	<1	<1	28	30	33	<0.5	20	<1	10	18	48	48		

Appendix D: Metals and Vinyl Chloride

Metal Concentration

Sample Name	Sample Location	Sampled Date	Aluminium Total (µg/L)	Antimony Total (µg/L)	Arsenic Total (µg/L)	Barium Total (µg/L)	Boron Total (µg/L)	Cadmium Total (µg/L)	Calcium Total (µg/L)	Chromium Total (µg/L)	Cobalt Total (µg/L)	Copper Total (µg/L)	Iron Total (µg/L)	Lead Total (µg/L)	Magnesium Total (µg/L)	Manganese Total (µg/L)	Mercury Total (µg/L)	Molybdenum Total (µg/L)	Nickel Total (µg/L)	Potassium Total (µg/L)	Selenium Total (µg/L)	Silver Total (µg/L)	Sodium Total (µg/L)	Zinc Total (µg/L)
Maximum Acceptable Concentration (Guidelines for Canadian Drinking Water Quality)			200	6	10	1000	5000	5	none	50	none	1000	300	10	none	50	1	none	none	none	50	none	200,000	5000
Maximum Acceptable Concentration (USEPA National Secondary Drinking Water Regulations)									none		none				none			none	none	none		100		
Reason Guideline Established - Health (H) or Aesthetic (A)			A	H	H	H	H	H		H		A	A	H		A	H				H	A	A	A
MPR-431	Dewdney Trunk Rd. @ 201B St.	5-May-15	110	<0.5	<0.5	2.4	<10	<0.2	907	0.06	<0.5	9.5	53	<0.5	95	2.2	<0.05	<0.5	<0.5	110	<0.5	<0.5	5670	<3
MPR-435	240 St. South of Abernethy Way	5-May-15	104	<0.5	<0.5	3.5	<10	<0.2	1140	0.12	<0.5	13.1	49	<0.5	97	1.8	<0.05	<0.5	<0.5	116	<0.5	<0.5	5800	<3
MPR-446	128th Ave and Willow Place	5-May-15	116	<0.5	<0.5	3.9	<10	<0.2	1620	0.1	<0.5	2.5	75	<0.5	90	6.1	<0.05	<0.5	<0.5	123	<0.5	<0.5	9450	5.2
MPR-431	Dewdney Trunk Rd. @ 201B St.	13-Oct-15	80	<0.5	<0.5	2.5	<10	<0.2	990	<0.05	<0.5	12.7	43	<0.5	105	2.1	<0.05	<0.5	<0.5	135	<0.5	<0.5	6220	<3
MPR-435	240 St. South of Abernethy Way	13-Oct-15	88	<0.5	<0.5	2.6	<10	<0.2	1130	<0.05	<0.5	20.8	57	<0.5	102	2.7	<0.05	<0.5	<0.5	134	<0.5	<0.5	6420	<3
MPR-446	128th Ave and Willow Place	13-Oct-15	91	<0.5	<0.5	4.2	<10	<0.2	1990	0.09	<0.5	2.9	100	<0.5	101	2.5	<0.05	<0.5	<0.5	158	<0.5	<0.5	15800	<3

Vinyl Chloride Concentration

Sample Site Number	Sample Reported Name	Sampled date	Vinyl Chloride (mg/L)
MPR-431	Dewdney Trunk Rd. @ 201B St.	2-Jun-15	<0.0010
MPR-431	Dewdney Trunk Rd. @ 201B St.	27-Oct-15	<0.0010
MPR-435	240 St. South of Abernethy Way	2-Jun-15	<0.0010
MPR-435	240 St. South of Abernethy Way	27-Oct-15	<0.0010
MPR-446	128th Ave and Willow Place	2-Jun-15	<0.0010
MPR-446	128th Ave and Willow Place	27-Oct-15	<0.0010

Appendix E: Metals without Maximum Concentration Guidelines

Neither Health Canada nor the USEPA suggest maximum concentration guidelines for calcium, cobalt, magnesium, molybdenum, nickel, or potassium in drinking water. Additional information related to these metals is provided below.

Calcium

Health Canada reports “there is no evidence of adverse health effects specifically attributable to calcium in drinking water. Insufficient data are available to set a specific value for an aesthetic objective for calcium in drinking water. A guideline for calcium has therefore not been specified – Measurements of water samples collected from 71 municipalities across Canada showed that the mean calcium concentrations were 21,400 µg/L for distributed water”.⁴

Cobalt

Neither Health Canada nor the USEPA publish a drinking water quality standard for cobalt. However, as a point of reference one might consider that the BC Ministry of Environment recommends that the maximum concentration of total cobalt should not exceed 110 µg/L to “protect aquatic life in the freshwater environment from acute effects of cobalt”.⁵

Magnesium

Health Canada reports “there is no evidence of adverse health effects specifically attributable to magnesium in drinking water. A guideline for magnesium has therefore not been specified. Two national surveys of drinking water supplies, encompassing 115 municipalities across Canada, were conducted in 1976 and 1977; magnesium concentrations in distributed water ranged from 200 to 59,500 µg/L”.⁶

Molybdenum

Neither Health Canada nor the USEPA publish a drinking water quality standard for Molybdenum. However, as a point of reference one might consider that the BC Ministry of Environment recommends a maximum of 50 µg/L for various water uses such as irrigation and drinking water for livestock.⁷

Nickel

Neither Health Canada nor the USEPA publish a drinking water quality standard for nickel. However, as a point of reference one might consider that the BC Ministry of Environment recommends a maximum concentration of 8.3 µg/L nickel for marine aquatic life.⁸

⁴ Guidelines For Canadian Drinking Water Quality – Supporting Documents – Calcium, Health Canada (1978, updated 1987)

⁵ Ambient Water Quality Guidelines for Cobalt Overview Report, BC Ministry of Environment (2004)

⁶ Guidelines For Canadian Drinking Water Quality – Supporting Documents- Magnesium, Health Canada (1978, updated 1987)

⁷ Water Quality Criteria for Molybdenum Overview Report, BC Ministry of Environment (1986)

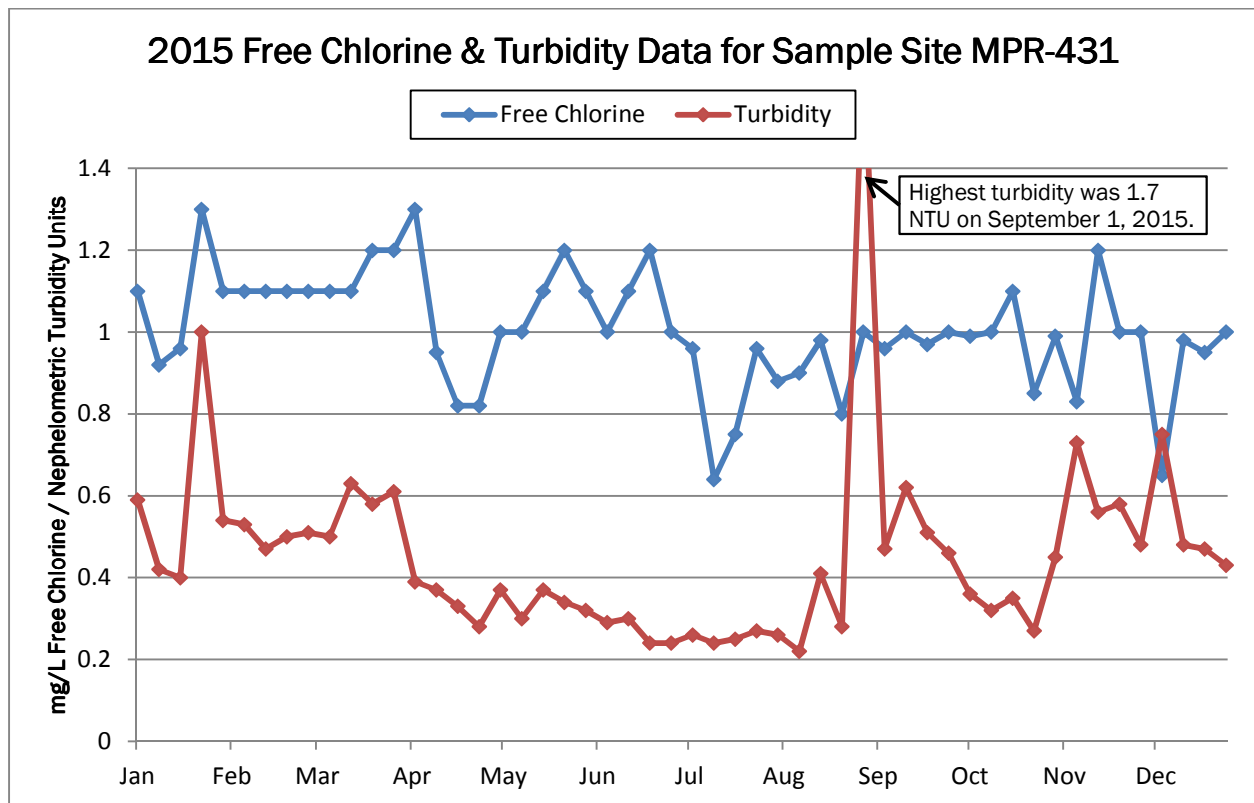
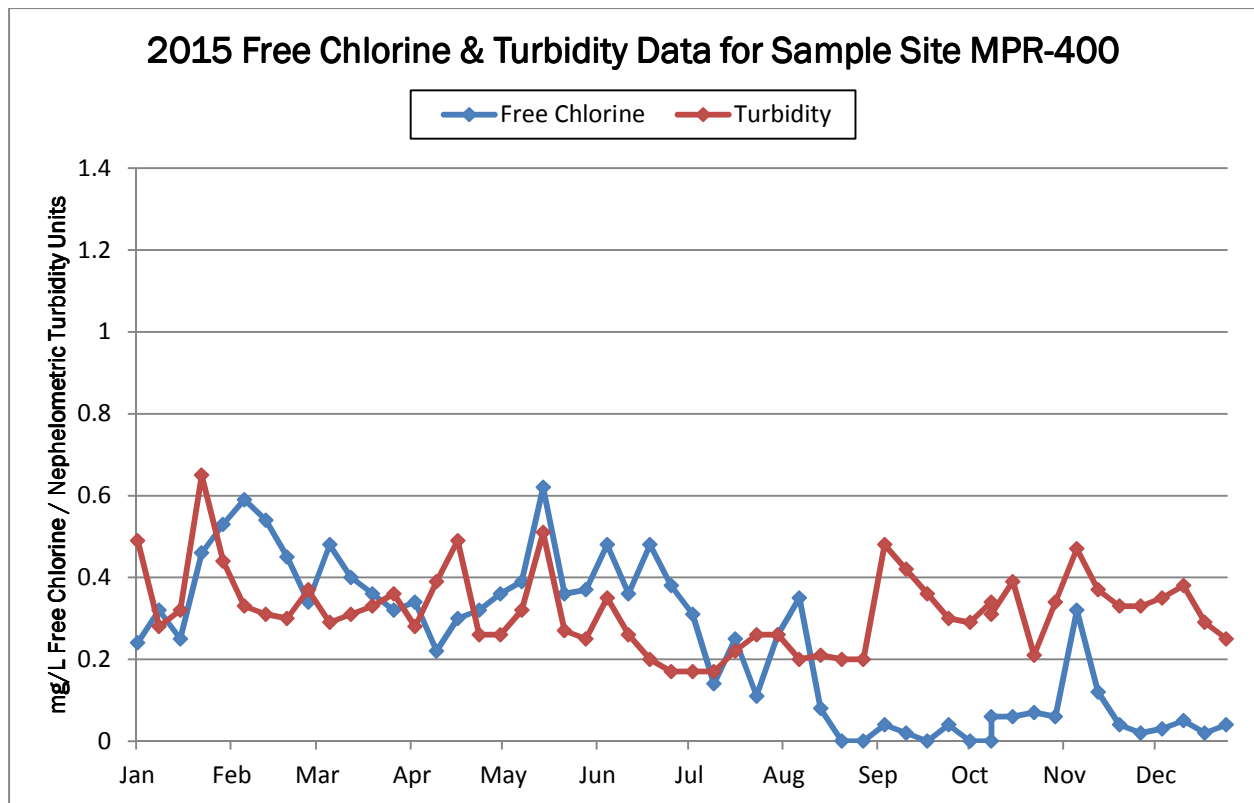
⁸ A compendium of Working Water Quality Guidelines for British Columbia, BC Ministry of Environment (2008)

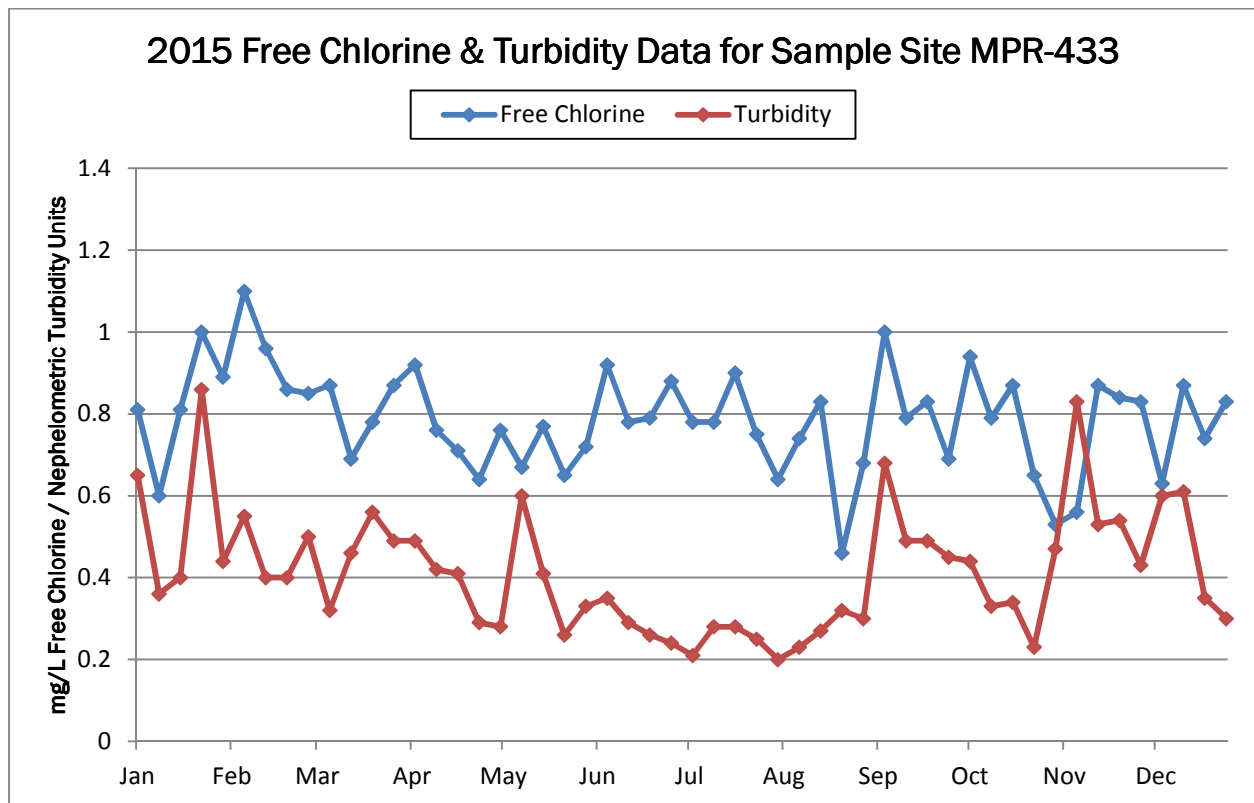
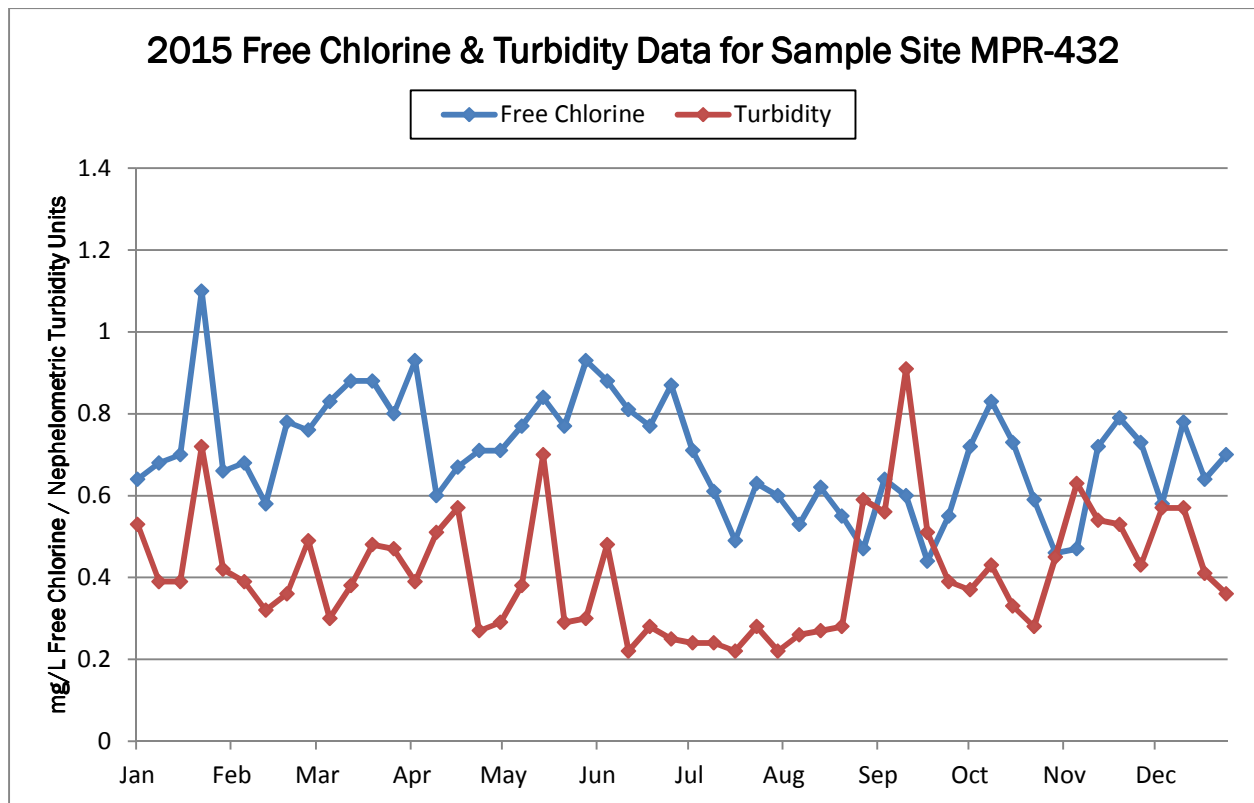
Potassium

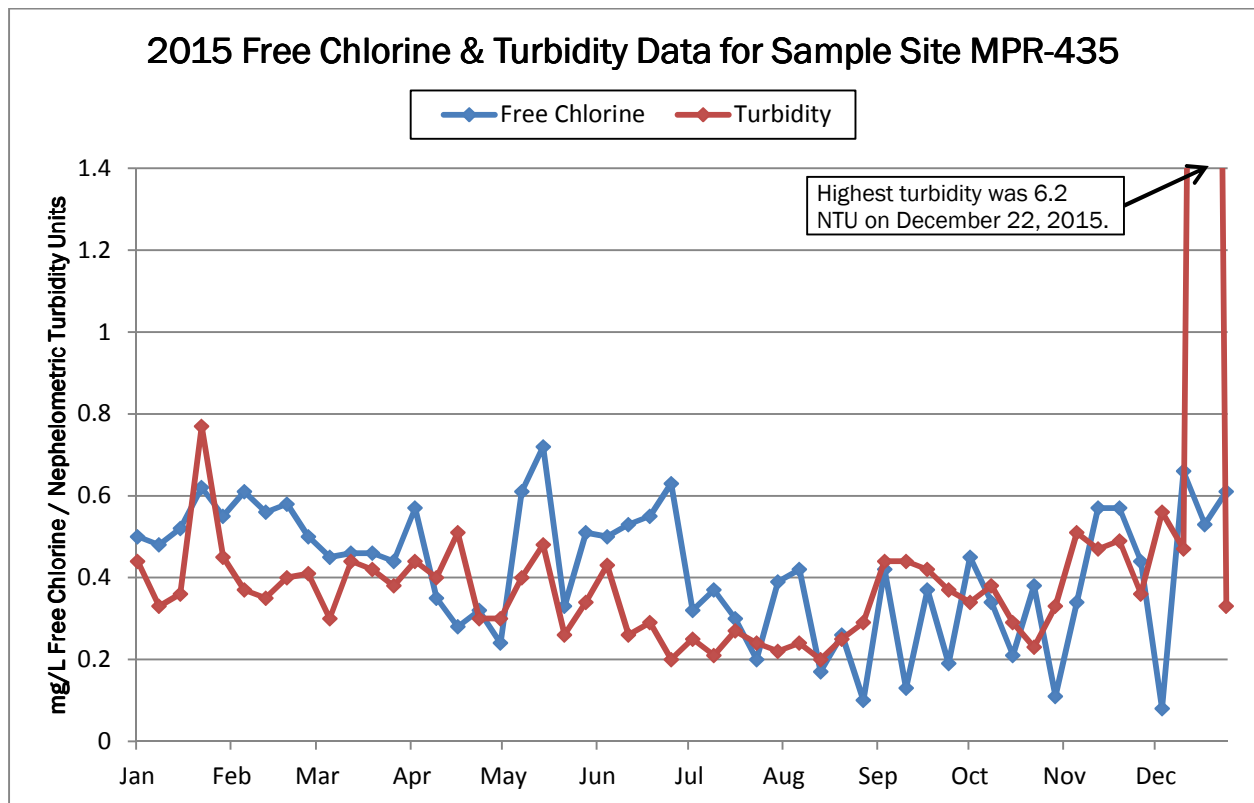
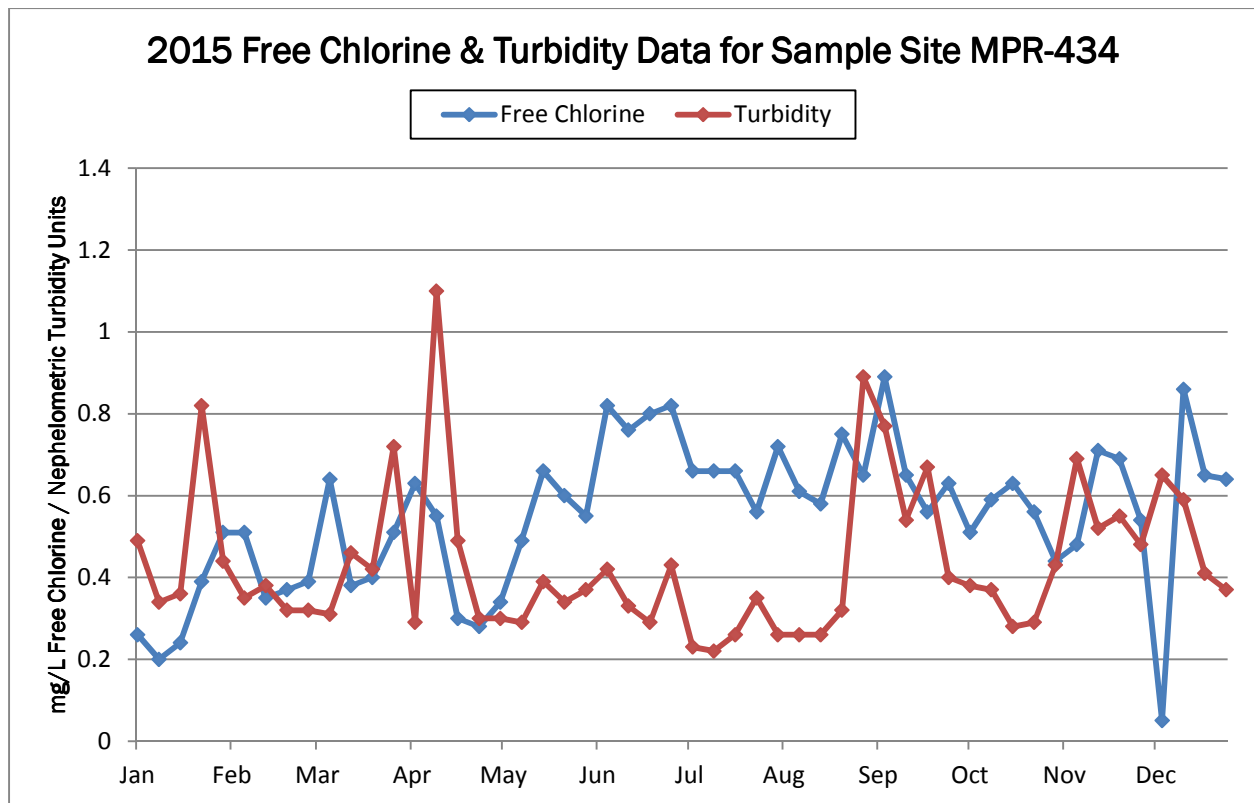
Neither Health Canada nor the USEPA publish a drinking water quality standard for potassium. However, as a point of reference one might consider that the BC Ministry of Environment recommends a maximum concentration of 373, 000 µg/L potassium for freshwater aquatic life.⁹

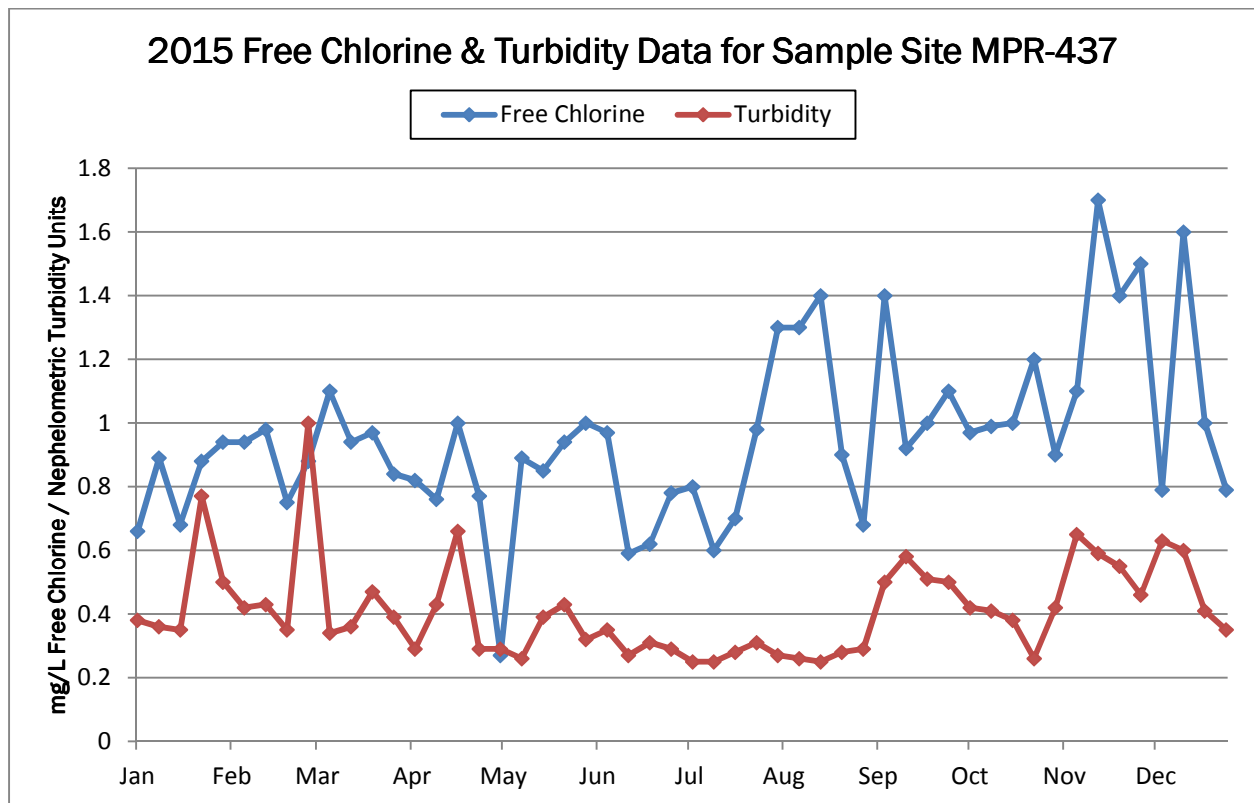
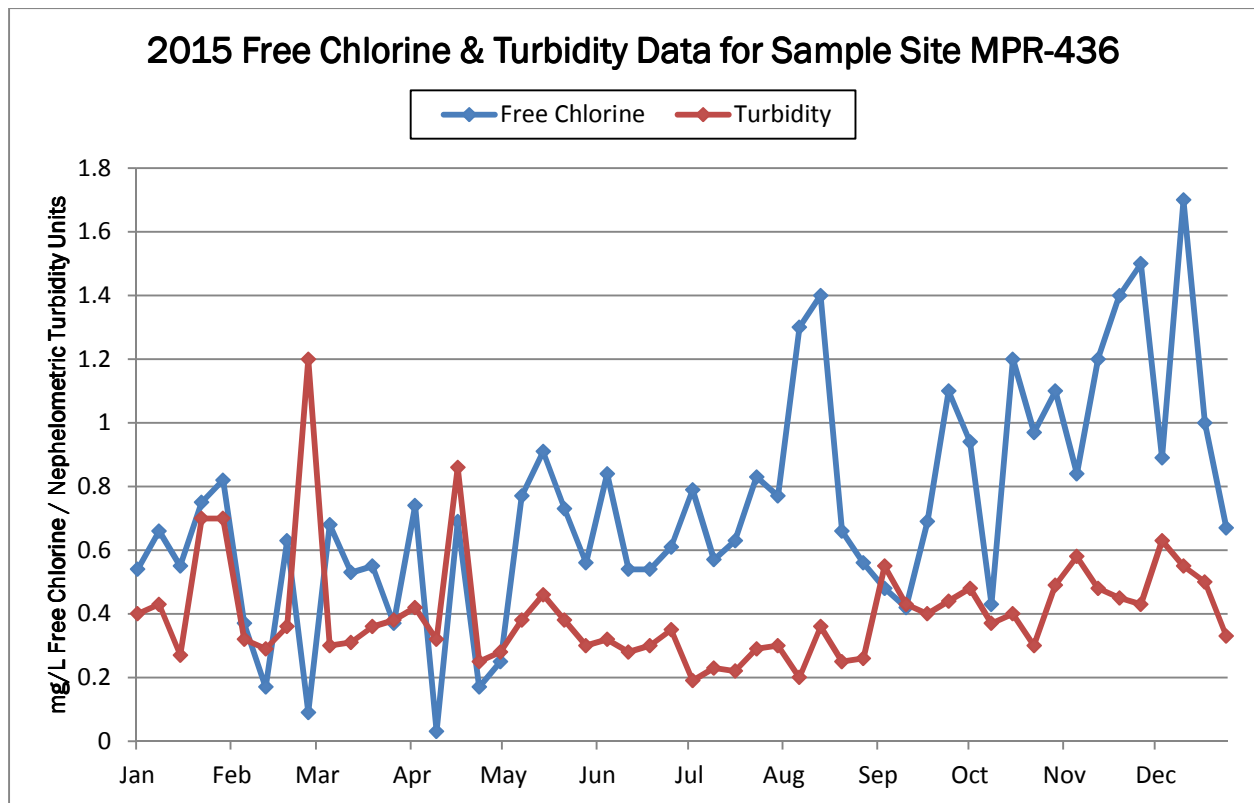
⁹ A Compendium of Working Water Quality Guidelines for British Columbia, BC Ministry of Environment (2008)

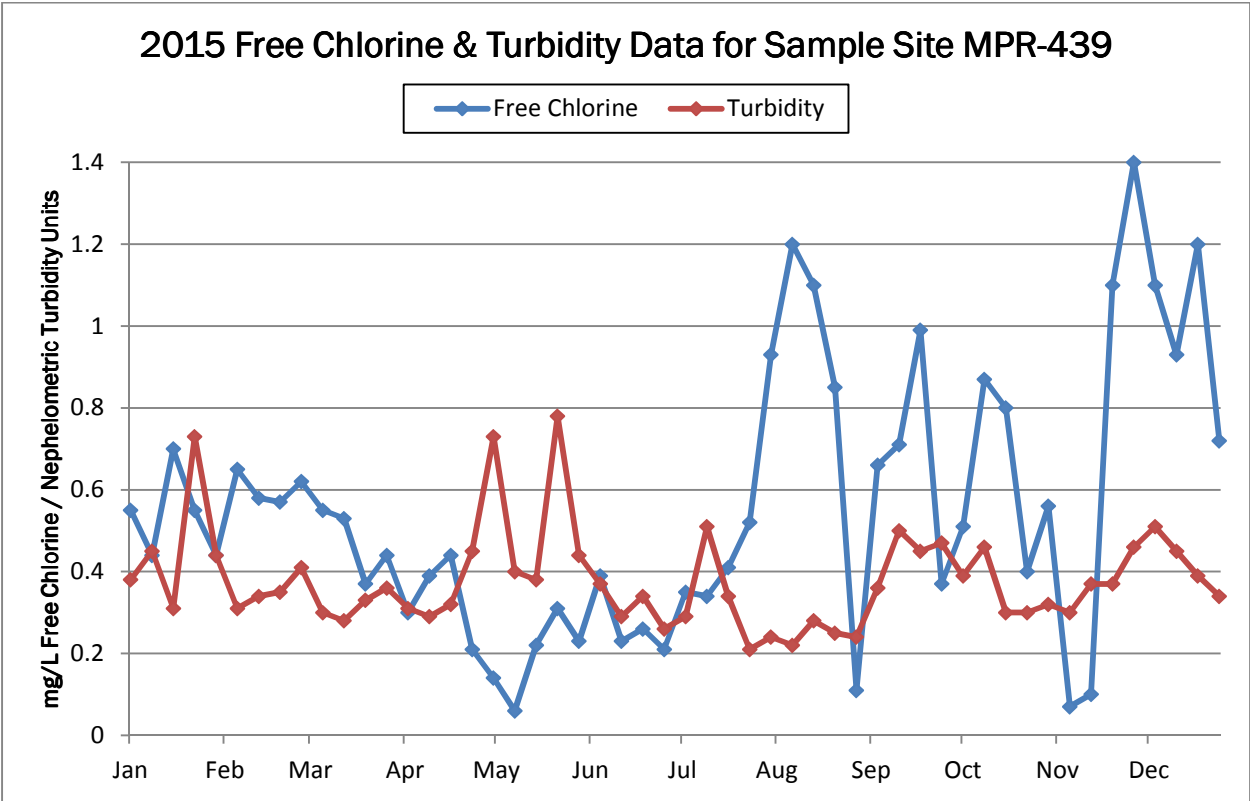
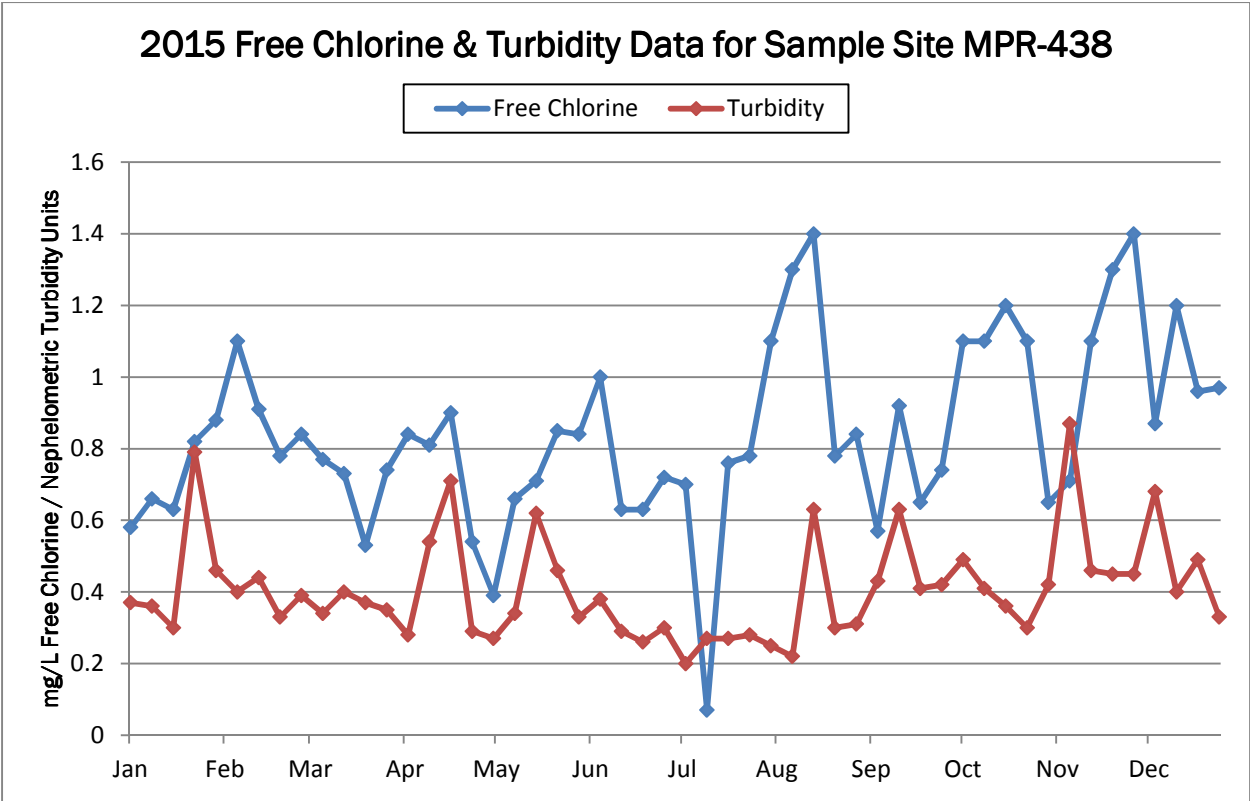
Appendix F: Free Chlorine and Turbidity Charts

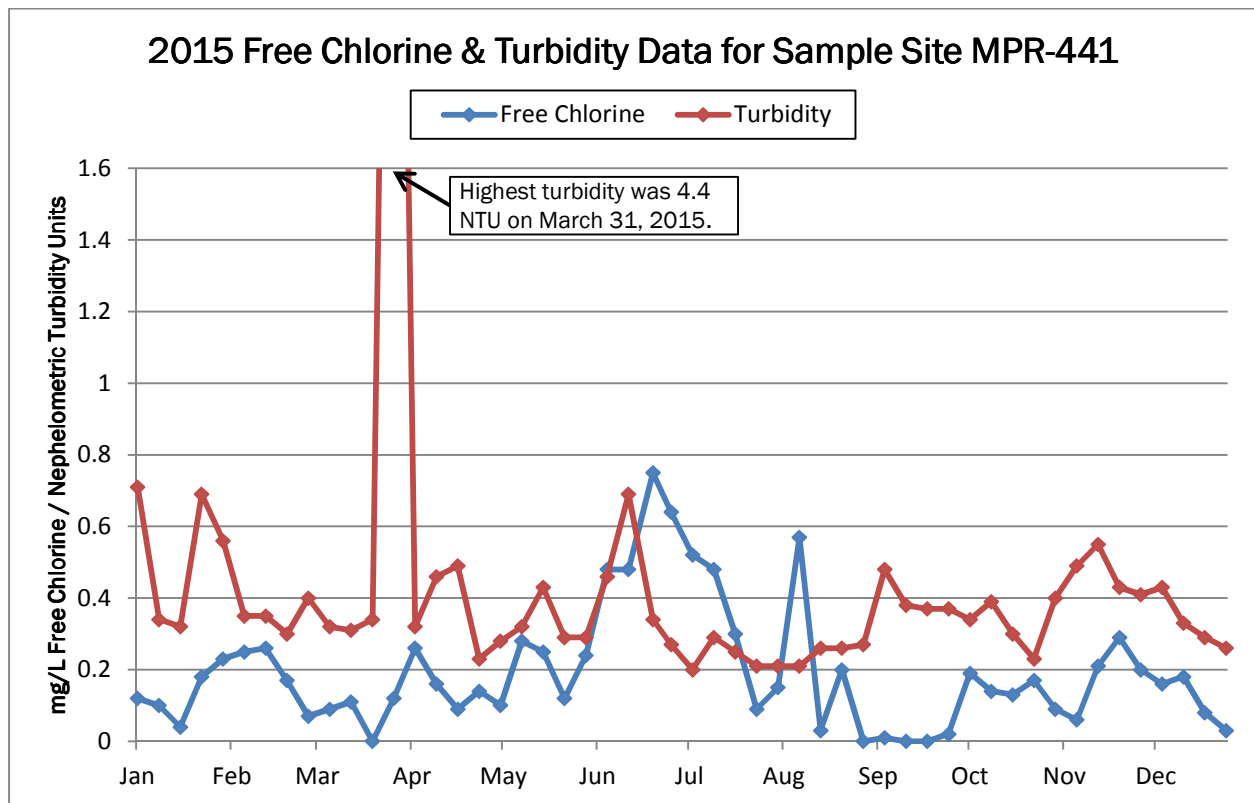
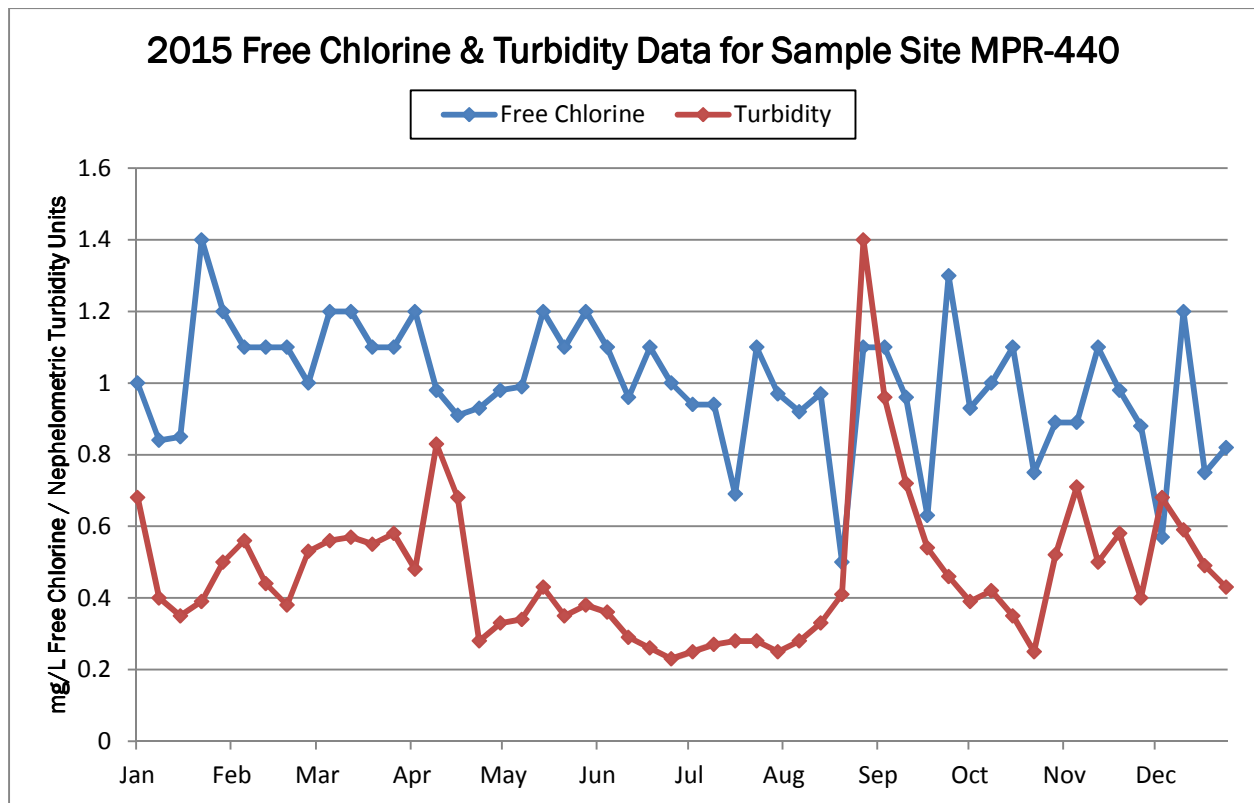


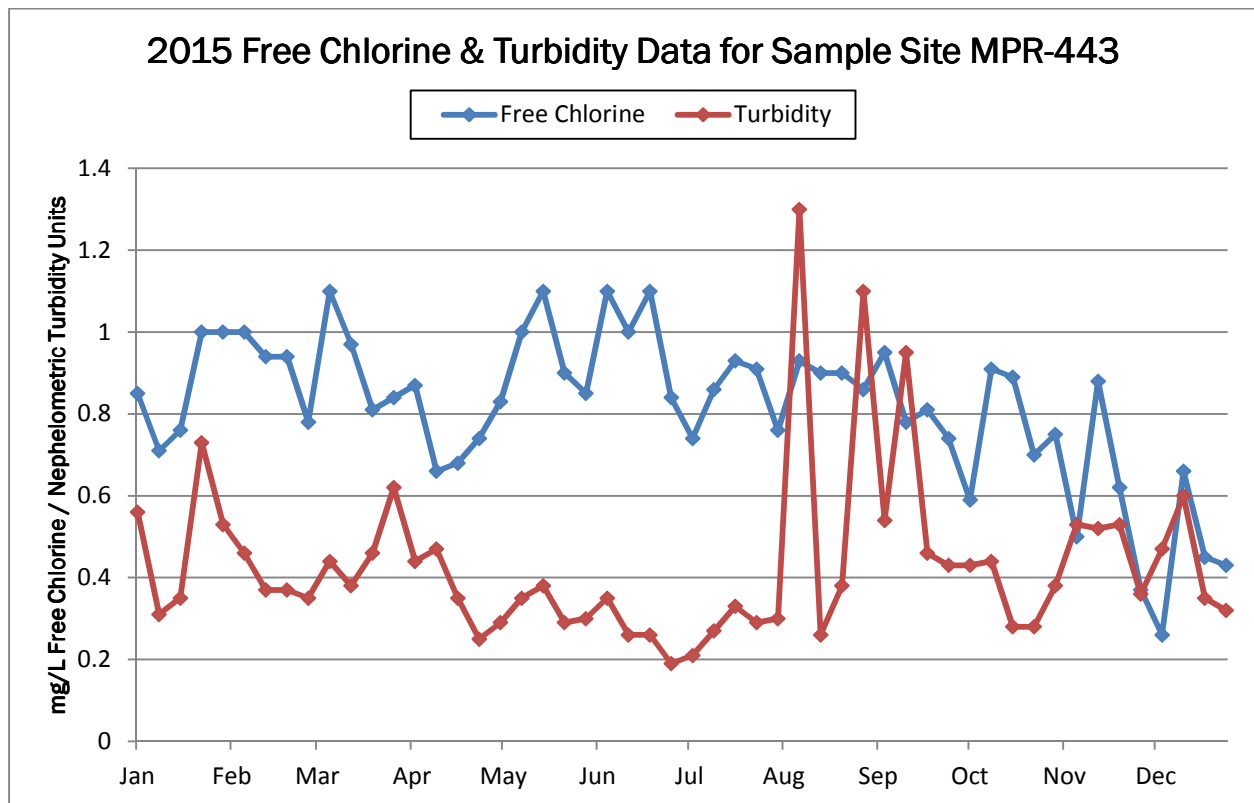
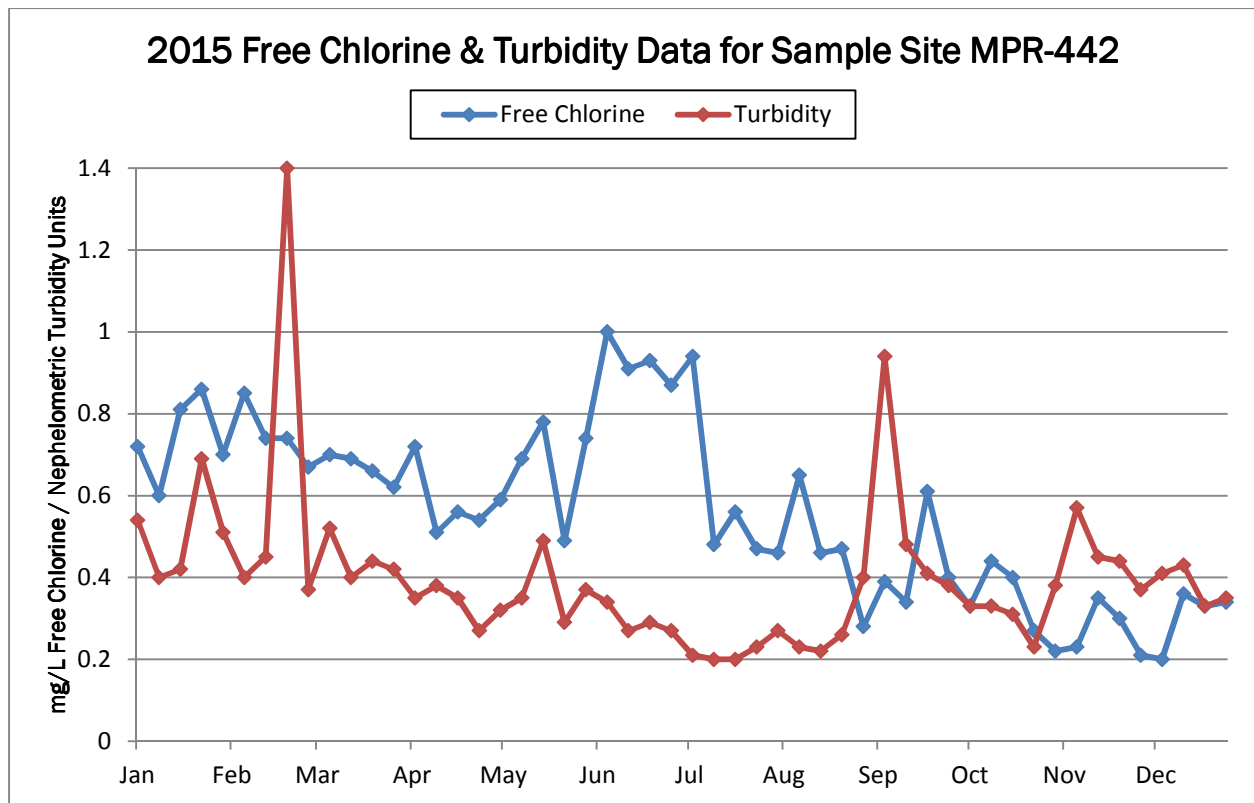


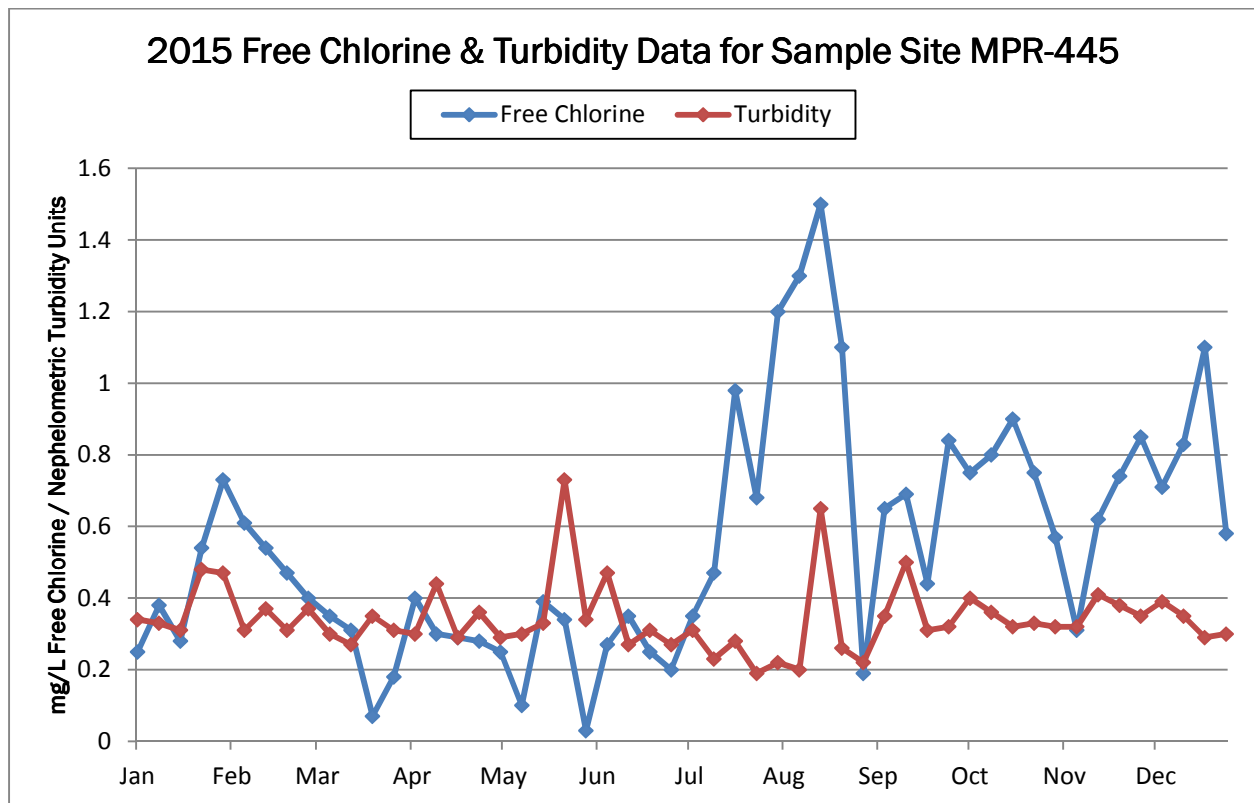
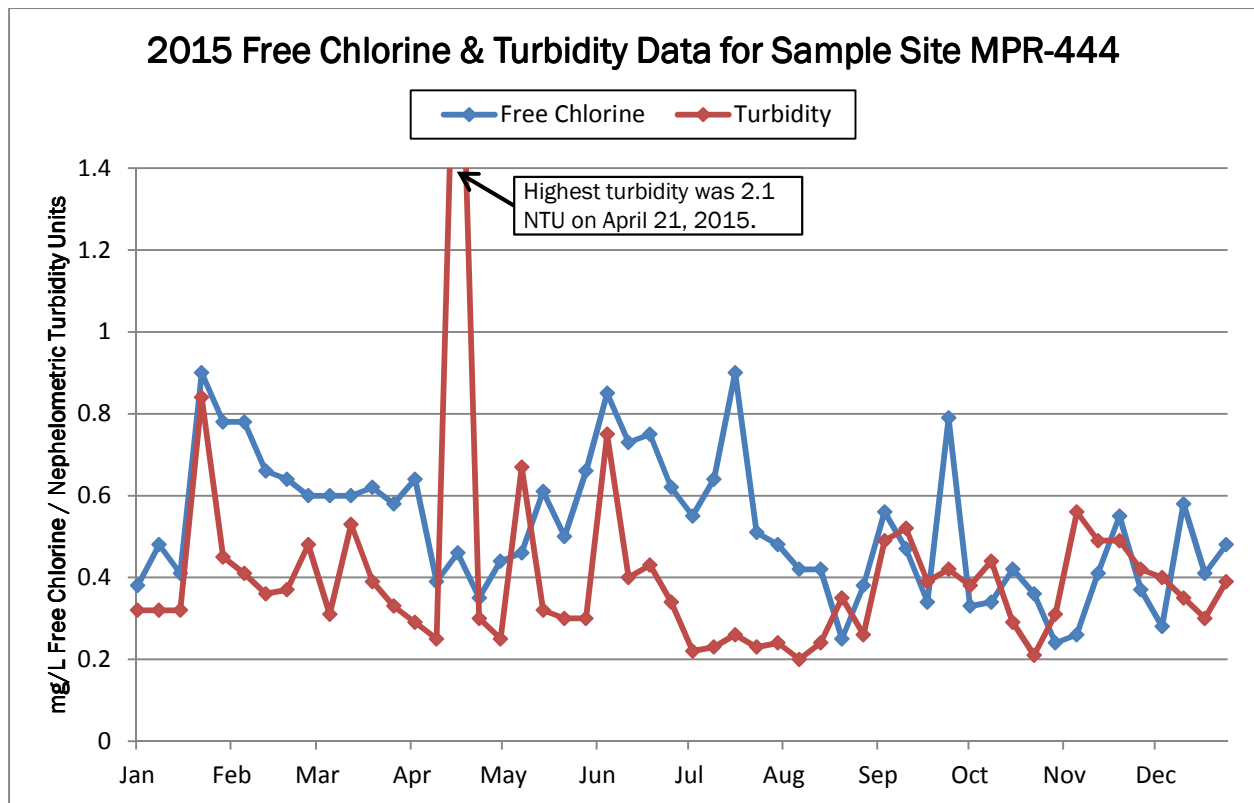


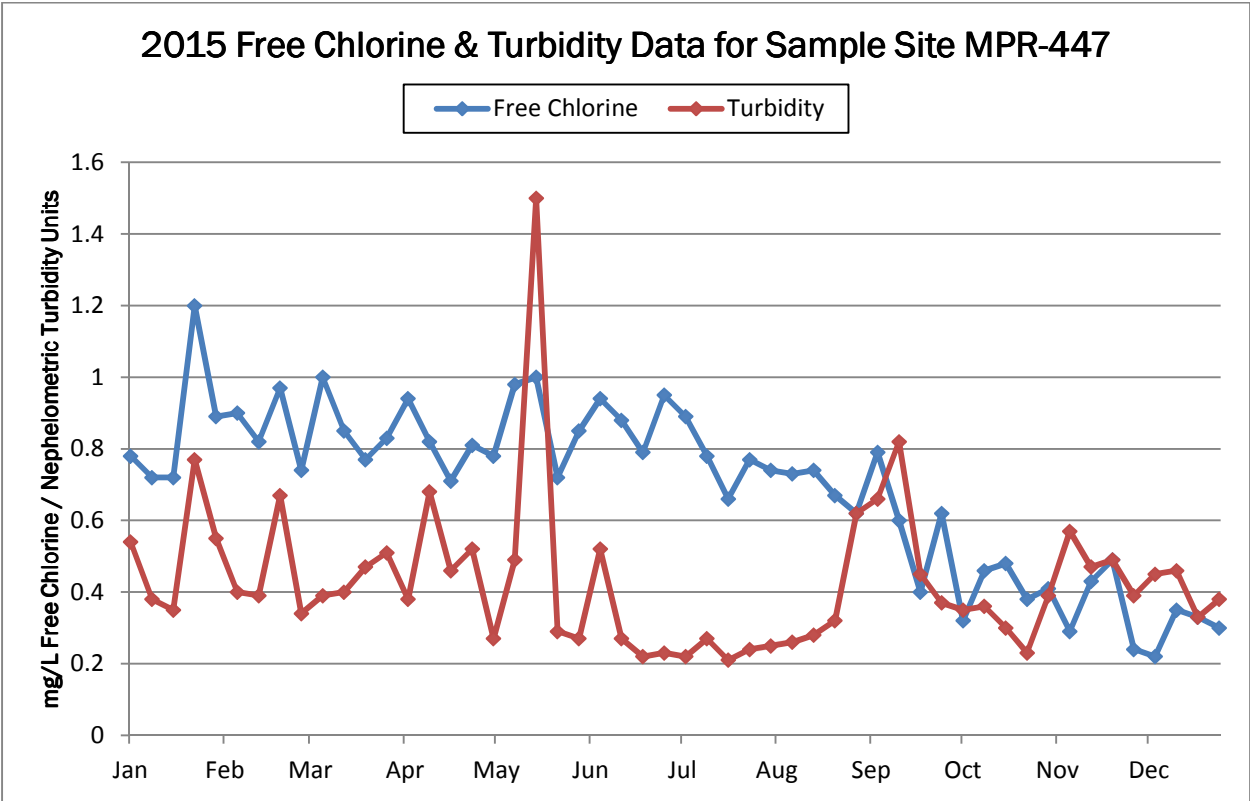
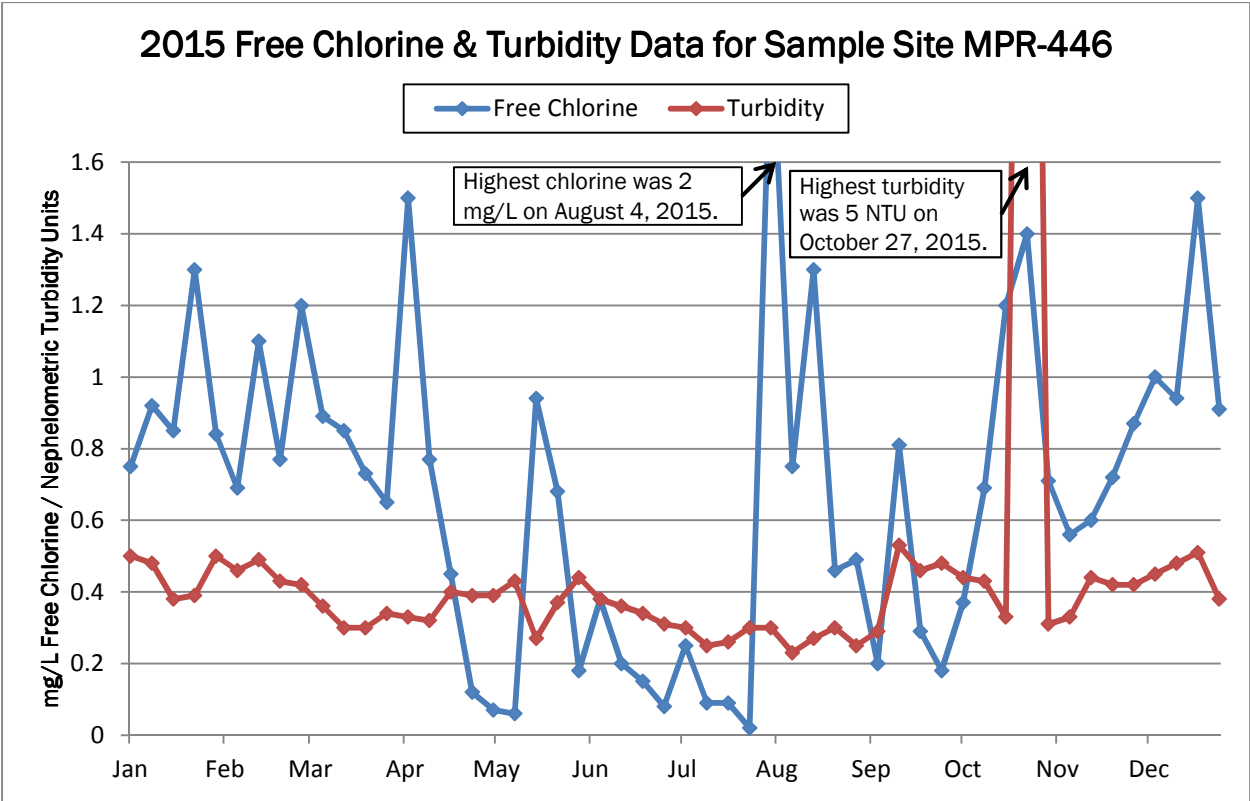


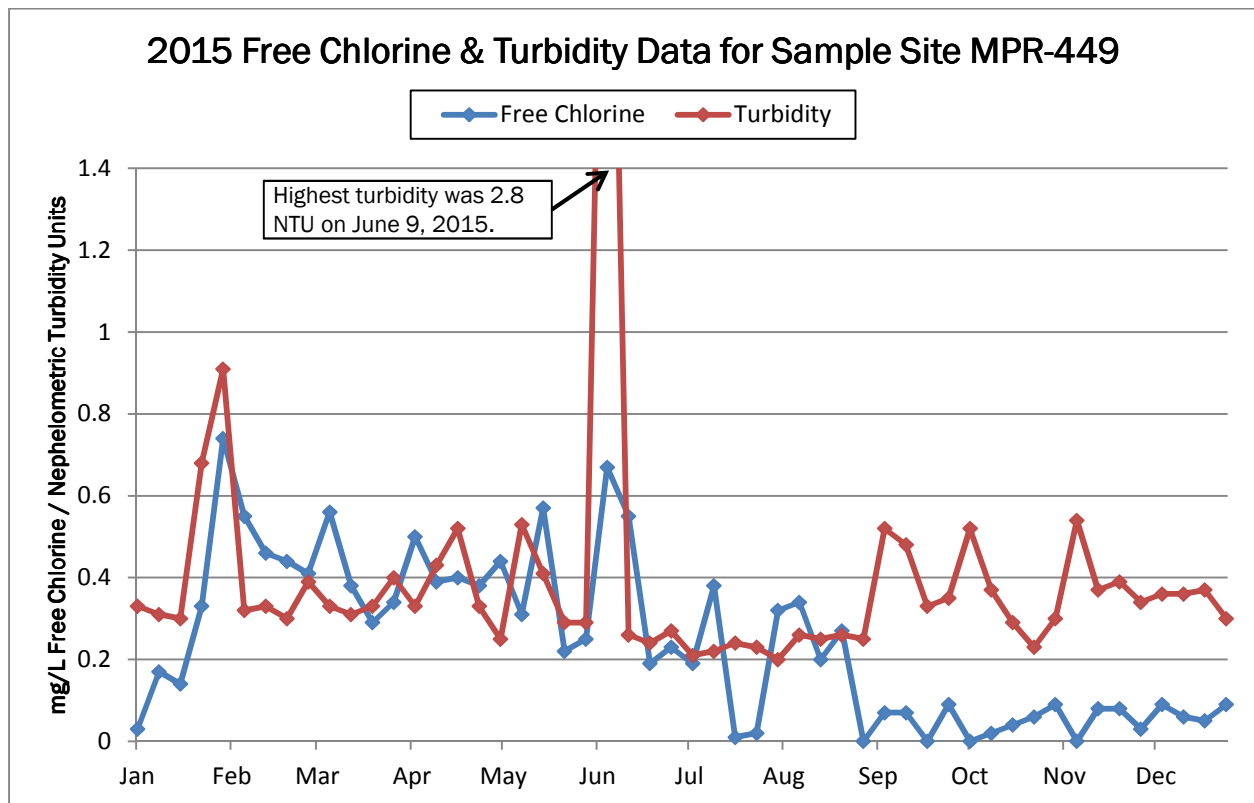
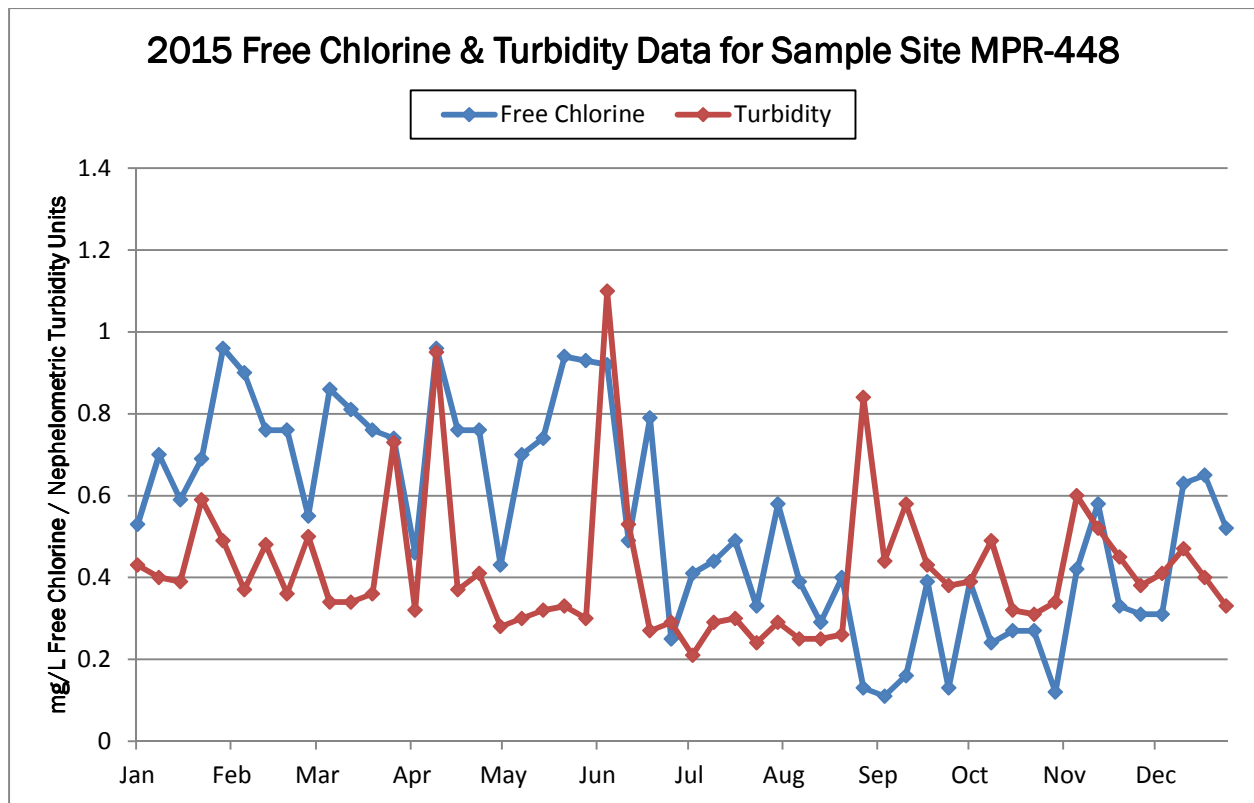












Appendix G: Weekly Sample Lab Results

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-400	Powell Ave. West of 203rd Street	6-Jan-15	0.24	<1	<2	9	<1	0.49
MPR-400	Powell Ave. West of 203rd Street	13-Jan-15	0.32	<1	<2	9	<1	0.28
MPR-400	Powell Ave. West of 203rd Street	20-Jan-15	0.25	<1	<2	9	<1	0.32
MPR-400	Powell Ave. West of 203rd Street	27-Jan-15	0.46	<1	NA	9	<1	0.65
MPR-400	Powell Ave. West of 203rd Street	3-Feb-15	0.53	<1	<2	9	<1	0.44
MPR-400	Powell Ave. West of 203rd Street	10-Feb-15	0.59	<1	<2	9	<1	0.33
MPR-400	Powell Ave. West of 203rd Street	17-Feb-15	0.54	<1	<2	9	<1	0.31
MPR-400	Powell Ave. West of 203rd Street	24-Feb-15	0.45	<1	<2	9	<1	0.3
MPR-400	Powell Ave. West of 203rd Street	3-Mar-15	0.34	<1	<2	9	<1	0.37
MPR-400	Powell Ave. West of 203rd Street	10-Mar-15	0.48	<1	6	9	<1	0.29
MPR-400	Powell Ave. West of 203rd Street	17-Mar-15	0.4	<1	<2	9	<1	0.31
MPR-400	Powell Ave. West of 203rd Street	24-Mar-15	0.36	<1	<2	9	<1	0.33
MPR-400	Powell Ave. West of 203rd Street	31-Mar-15	0.32	<1	<2	10	<1	0.36
MPR-400	Powell Ave. West of 203rd Street	7-Apr-15	0.34	<1	<2	10	<1	0.28
MPR-400	Powell Ave. West of 203rd Street	14-Apr-15	0.22	<1	<2	11	<1	0.39
MPR-400	Powell Ave. West of 203rd Street	21-Apr-15	0.3	<1	<2	11	<1	0.49
MPR-400	Powell Ave. West of 203rd Street	28-Apr-15	0.32	<1	<2	11	<1	0.26
MPR-400	Powell Ave. West of 203rd Street	5-May-15	0.36	<1	<2	11	<1	0.26
MPR-400	Powell Ave. West of 203rd Street	12-May-15	0.39	<1	<2	11	<1	0.32
MPR-400	Powell Ave. West of 203rd Street	19-May-15	0.62	<1	<2	12	<1	0.51
MPR-400	Powell Ave. West of 203rd Street	26-May-15	0.36	<1	<2	13	<1	0.27
MPR-400	Powell Ave. West of 203rd Street	2-Jun-15	0.37	<1	<2	13	<1	0.25
MPR-400	Powell Ave. West of 203rd Street	9-Jun-15	0.48	<1	<2	13	<1	0.35
MPR-400	Powell Ave. West of 203rd Street	16-Jun-15	0.36	<1	<2	14	<1	0.26
MPR-400	Powell Ave. West of 203rd Street	23-Jun-15	0.48	<1	<2	15	<1	0.2
MPR-400	Powell Ave. West of 203rd Street	30-Jun-15	0.38	<1	<2	16	<1	0.17
MPR-400	Powell Ave. West of 203rd Street	7-Jul-15	0.31	<1	6	17	<1	0.17
MPR-400	Powell Ave. West of 203rd Street	14-Jul-15	0.14	<1	8	18	<1	0.17
MPR-400	Powell Ave. West of 203rd Street	21-Jul-15	0.25	<1	4	18	<1	0.22
MPR-400	Powell Ave. West of 203rd Street	28-Jul-15	0.11	<1	<2	18	<1	0.26
MPR-400	Powell Ave. West of 203rd Street	4-Aug-15	0.26	<1	12	19	<1	0.26
MPR-400	Powell Ave. West of 203rd Street	11-Aug-15	0.35	<1	<2	19	<1	0.2

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-400	Powell Ave. West of 203rd Street	18-Aug-15	0.08	<1	4	18	<1	0.21
MPR-400	Powell Ave. West of 203rd Street	25-Aug-15	<0.01	<1	14	18	<1	0.2
MPR-400	Powell Ave. West of 203rd Street	1-Sep-15	<0.01	<1	<2	18	<1	0.2
MPR-400	Powell Ave. West of 203rd Street	8-Sep-15	0.04	<1	2	18	<1	0.48
MPR-400	Powell Ave. West of 203rd Street	15-Sep-15	0.02	<1	10	17	<1	0.42
MPR-400	Powell Ave. West of 203rd Street	22-Sep-15	<0.01	<1	160	17	<1	0.36
MPR-400	Powell Ave. West of 203rd Street	29-Sep-15	0.04	<1	2800	17	<1	0.3
MPR-400	Powell Ave. West of 203rd Street	6-Oct-15	<0.01	<1	2800	16	<1	0.29
MPR-400	Powell Ave. West of 203rd Street	13-Oct-15	<0.01	<1	5500	16	<1	0.34
MPR-400	Powell Ave. West of 203rd Street	13-Oct-15	0.06	<1	5000	11	<1	0.31
MPR-400	Powell Ave. West of 203rd Street	20-Oct-15	0.06	<1	690	16	<1	0.39
MPR-400	Powell Ave. West of 203rd Street	27-Oct-15	0.07	<1	32	15	<1	0.21
MPR-400	Powell Ave. West of 203rd Street	3-Nov-15	0.06	<1	78	15	<1	0.34
MPR-400	Powell Ave. West of 203rd Street	10-Nov-15	0.32	<1	410	14	<1	0.47
MPR-400	Powell Ave. West of 203rd Street	17-Nov-15	0.12	<1	170	14	<1	0.37
MPR-400	Powell Ave. West of 203rd Street	24-Nov-15	0.04	<1	200	13	<1	0.33
MPR-400	Powell Ave. West of 203rd Street	1-Dec-15	0.02	<1	300	11	<1	0.33
MPR-400	Powell Ave. West of 203rd Street	8-Dec-15	0.03	<1	270	12	<1	0.35
MPR-400	Powell Ave. West of 203rd Street	15-Dec-15	0.05	<1	300	11	<1	0.38
MPR-400	Powell Ave. West of 203rd Street	22-Dec-15	0.02	<1	NA	11	<1	0.29
MPR-400	Powell Ave. West of 203rd Street	29-Dec-15	0.04	<1	NA	10	<1	0.25
MPR-431	Dewdney Trunk Rd. @ 201B St.	6-Jan-15	1.1	<1	<2	6	<1	0.59
MPR-431	Dewdney Trunk Rd. @ 201B St.	13-Jan-15	0.92	<1	<2	6	<1	0.42
MPR-431	Dewdney Trunk Rd. @ 201B St.	20-Jan-15	0.96	<1	<2	6	<1	0.4
MPR-431	Dewdney Trunk Rd. @ 201B St.	27-Jan-15	1.3	<1	<2	7	<1	1
MPR-431	Dewdney Trunk Rd. @ 201B St.	3-Feb-15	1.1	<1	<2	7	<1	0.54
MPR-431	Dewdney Trunk Rd. @ 201B St.	10-Feb-15	1.1	<1	<2	7	<1	0.53
MPR-431	Dewdney Trunk Rd. @ 201B St.	17-Feb-15	1.1	<1	<2	7	<1	0.47
MPR-431	Dewdney Trunk Rd. @ 201B St.	24-Feb-15	1.1	<1	<2	7	<1	0.5
MPR-431	Dewdney Trunk Rd. @ 201B St.	3-Mar-15	1.1	<1	2	7	<1	0.51
MPR-431	Dewdney Trunk Rd. @ 201B St.	10-Mar-15	1.1	<1	<2	7	<1	0.5
MPR-431	Dewdney Trunk Rd. @ 201B St.	17-Mar-15	1.1	<1	<2	7	<1	0.63
MPR-431	Dewdney Trunk Rd. @ 201B St.	24-Mar-15	1.2	<1	<2	8	<1	0.58
MPR-431	Dewdney Trunk Rd. @ 201B St.	31-Mar-15	1.2	<1	2	8	<1	0.61

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-431	Dewdney Trunk Rd. @ 201B St.	7-Apr-15	1.3	<1	<2	8	<1	0.39
MPR-431	Dewdney Trunk Rd. @ 201B St.	14-Apr-15	0.95	<1	<2	9	<1	0.37
MPR-431	Dewdney Trunk Rd. @ 201B St.	21-Apr-15	0.82	<1	2	9	<1	0.33
MPR-431	Dewdney Trunk Rd. @ 201B St.	28-Apr-15	0.82	<1	<2	10	<1	0.28
MPR-431	Dewdney Trunk Rd. @ 201B St.	5-May-15	1	<1	<2	10	<1	0.37
MPR-431	Dewdney Trunk Rd. @ 201B St.	12-May-15	1	<1	<2	10	<1	0.3
MPR-431	Dewdney Trunk Rd. @ 201B St.	19-May-15	1.1	<1	<2	11	<1	0.37
MPR-431	Dewdney Trunk Rd. @ 201B St.	26-May-15	1.2	<1	<2	11	<1	0.34
MPR-431	Dewdney Trunk Rd. @ 201B St.	2-Jun-15	1.1	<1	<2	11	<1	0.32
MPR-431	Dewdney Trunk Rd. @ 201B St.	9-Jun-15	1	<1	<2	15	<1	0.29
MPR-431	Dewdney Trunk Rd. @ 201B St.	16-Jun-15	1.1	<1	2	14	<1	0.3
MPR-431	Dewdney Trunk Rd. @ 201B St.	23-Jun-15	1.2	<1	<2	16	<1	0.24
MPR-431	Dewdney Trunk Rd. @ 201B St.	30-Jun-15	1	<1	<2	16	<1	0.24
MPR-431	Dewdney Trunk Rd. @ 201B St.	7-Jul-15	0.96	<1	<2	18	<1	0.26
MPR-431	Dewdney Trunk Rd. @ 201B St.	14-Jul-15	0.64	<1	2	18	<1	0.24
MPR-431	Dewdney Trunk Rd. @ 201B St.	21-Jul-15	0.75	<1	<2	19	<1	0.25
MPR-431	Dewdney Trunk Rd. @ 201B St.	28-Jul-15	0.96	<1	<2	19	<1	0.27
MPR-431	Dewdney Trunk Rd. @ 201B St.	4-Aug-15	0.88	<1	<2	19	<1	0.26
MPR-431	Dewdney Trunk Rd. @ 201B St.	11-Aug-15	0.9	<1	2	19	<1	0.22
MPR-431	Dewdney Trunk Rd. @ 201B St.	18-Aug-15	0.98	<1	<2	18	<1	0.41
MPR-431	Dewdney Trunk Rd. @ 201B St.	25-Aug-15	0.8	<1	2	19	<1	0.28
MPR-431	Dewdney Trunk Rd. @ 201B St.	1-Sep-15	1	<1	<2	16	<1	1.7
MPR-431	Dewdney Trunk Rd. @ 201B St.	8-Sep-15	0.96	<1	<2	17	<1	0.47
MPR-431	Dewdney Trunk Rd. @ 201B St.	15-Sep-15	1	<1	<2	16	<1	0.62
MPR-431	Dewdney Trunk Rd. @ 201B St.	22-Sep-15	0.97	<1	<2	15	<1	0.51
MPR-431	Dewdney Trunk Rd. @ 201B St.	29-Sep-15	1	<1	<2	15	<1	0.46
MPR-431	Dewdney Trunk Rd. @ 201B St.	6-Oct-15	0.99	<1	<2	15	<1	0.36
MPR-431	Dewdney Trunk Rd. @ 201B St.	13-Oct-15	1	<1	<2	15	<1	0.32
MPR-431	Dewdney Trunk Rd. @ 201B St.	20-Oct-15	1.1	<1	<2	15	<1	0.35
MPR-431	Dewdney Trunk Rd. @ 201B St.	27-Oct-15	0.85	<1	<2	14	<1	0.27
MPR-431	Dewdney Trunk Rd. @ 201B St.	3-Nov-15	0.99	<1	<2	13	<1	0.45

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-431	Dewdney Trunk Rd. @ 201B St.	10-Nov-15	0.83	<1	<2	12	<1	0.73
MPR-431	Dewdney Trunk Rd. @ 201B St.	17-Nov-15	1.2	<1	<2	11	<1	0.56
MPR-431	Dewdney Trunk Rd. @ 201B St.	24-Nov-15	1	<1	<2	9	<1	0.58
MPR-431	Dewdney Trunk Rd. @ 201B St.	1-Dec-15	1	<1	<2	8	<1	0.48
MPR-431	Dewdney Trunk Rd. @ 201B St.	8-Dec-15	0.65	<1	<2	8	<1	0.75
MPR-431	Dewdney Trunk Rd. @ 201B St.	15-Dec-15	0.98	<1	<2	8	<1	0.48
MPR-431	Dewdney Trunk Rd. @ 201B St.	22-Dec-15	0.95	<1	NA	7	<1	0.47
MPR-431	Dewdney Trunk Rd. @ 201B St.	29-Dec-15	1	<1	NA	6	<1	0.43
MPR-432	224 St. @ 122 Ave.	6-Jan-15	0.64	<1	<2	7	<1	0.53
MPR-432	224 St. @ 122 Ave.	13-Jan-15	0.68	<1	<2	6	<1	0.39
MPR-432	224 St. @ 122 Ave.	20-Jan-15	0.7	<1	<2	6	<1	0.39
MPR-432	224 St. @ 122 Ave.	27-Jan-15	1.1	<1	<2	7	<1	0.72
MPR-432	224 St. @ 122 Ave.	3-Feb-15	0.66	<1	<2	7	<1	0.42
MPR-432	224 St. @ 122 Ave.	10-Feb-15	0.68	<1	<2	7	<1	0.39
MPR-432	224 St. @ 122 Ave.	17-Feb-15	0.58	<1	<2	8	<1	0.32
MPR-432	224 St. @ 122 Ave.	24-Feb-15	0.78	<1	<2	7	<1	0.36
MPR-432	224 St. @ 122 Ave.	3-Mar-15	0.76	<1	<2	7	<1	0.49
MPR-432	224 St. @ 122 Ave.	10-Mar-15	0.83	<1	<2	7	<1	0.3
MPR-432	224 St. @ 122 Ave.	17-Mar-15	0.88	<1	<2	8	<1	0.38
MPR-432	224 St. @ 122 Ave.	24-Mar-15	0.88	<1	<2	8	<1	0.48
MPR-432	224 St. @ 122 Ave.	31-Mar-15	0.8	<1	<2	9	<1	0.47
MPR-432	224 St. @ 122 Ave.	7-Apr-15	0.93	<1	<2	9	<1	0.39
MPR-432	224 St. @ 122 Ave.	14-Apr-15	0.6	<1	<2	9	<1	0.51
MPR-432	224 St. @ 122 Ave.	21-Apr-15	0.67	<1	4	10	<1	0.57
MPR-432	224 St. @ 122 Ave.	28-Apr-15	0.71	<1	<2	10	<1	0.27
MPR-432	224 St. @ 122 Ave.	5-May-15	0.71	<1	<2	11	<1	0.29
MPR-432	224 St. @ 122 Ave.	12-May-15	0.77	<1	<2	11	<1	0.38
MPR-432	224 St. @ 122 Ave.	19-May-15	0.84	<1	<2	12	<1	0.7
MPR-432	224 St. @ 122 Ave.	26-May-15	0.77	<1	<2	12	<1	0.29
MPR-432	224 St. @ 122 Ave.	2-Jun-15	0.93	<1	<2	12	<1	0.3
MPR-432	224 St. @ 122 Ave.	9-Jun-15	0.88	<1	<2	13	<1	0.48

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-432	224 St. @ 122 Ave.	16-Jun-15	0.81	<1	<2	13	<1	0.22
MPR-432	224 St. @ 122 Ave.	23-Jun-15	0.77	<1	<2	13	<1	0.28
MPR-432	224 St. @ 122 Ave.	30-Jun-15	0.87	<1	<2	15	<1	0.25
MPR-432	224 St. @ 122 Ave.	7-Jul-15	0.71	<1	<2	17	<1	0.24
MPR-432	224 St. @ 122 Ave.	14-Jul-15	0.61	<1	<2	18	<1	0.24
MPR-432	224 St. @ 122 Ave.	21-Jul-15	0.49	<1	<2	18	<1	0.22
MPR-432	224 St. @ 122 Ave.	28-Jul-15	0.63	<1	<2	18	<1	0.28
MPR-432	224 St. @ 122 Ave.	4-Aug-15	0.6	<1	<2	19	<1	0.22
MPR-432	224 St. @ 122 Ave.	11-Aug-15	0.53	<1	2	19	<1	0.26
MPR-432	224 St. @ 122 Ave.	18-Aug-15	0.62	<1	2	18	<1	0.27
MPR-432	224 St. @ 122 Ave.	25-Aug-15	0.55	<1	<2	18	<1	0.28
MPR-432	224 St. @ 122 Ave.	1-Sep-15	0.47	<1	<2	18	<1	0.59
MPR-432	224 St. @ 122 Ave.	8-Sep-15	0.64	<1	<2	17	<1	0.56
MPR-432	224 St. @ 122 Ave.	15-Sep-15	0.6	<1	<2	15	<1	0.91
MPR-432	224 St. @ 122 Ave.	22-Sep-15	0.44	<1	<2	15	<1	0.51
MPR-432	224 St. @ 122 Ave.	29-Sep-15	0.55	<1	<2	15	<1	0.39
MPR-432	224 St. @ 122 Ave.	6-Oct-15	0.72	<1	<2	15	<1	0.37
MPR-432	224 St. @ 122 Ave.	13-Oct-15	0.83	<1	<2	14	<1	0.43
MPR-432	224 St. @ 122 Ave.	20-Oct-15	0.73	<1	<2	14	<1	0.33
MPR-432	224 St. @ 122 Ave.	27-Oct-15	0.59	<1	<2	14	<1	0.28
MPR-432	224 St. @ 122 Ave.	3-Nov-15	0.46	<1	6	13	<1	0.45
MPR-432	224 St. @ 122 Ave.	10-Nov-15	0.47	<1	<2	12	<1	0.63
MPR-432	224 St. @ 122 Ave.	17-Nov-15	0.72	<1	<2	11	<1	0.54
MPR-432	224 St. @ 122 Ave.	24-Nov-15	0.79	<1	<2	9	<1	0.53
MPR-432	224 St. @ 122 Ave.	1-Dec-15	0.73	<1	<2	8	<1	0.43
MPR-432	224 St. @ 122 Ave.	8-Dec-15	0.58	<1	<2	8	<1	0.57
MPR-432	224 St. @ 122 Ave.	15-Dec-15	0.78	<1	<2	8	<1	0.57
MPR-432	224 St. @ 122 Ave.	22-Dec-15	0.64	<1	NA	7	<1	0.41
MPR-432	224 St. @ 122 Ave.	29-Dec-15	0.7	<1	NA	7	<1	0.36
MPR-433	232 St. North of 130 Ave.	6-Jan-15	0.81	<1	<2	6	<1	0.65
MPR-433	232 St. North of 130 Ave.	13-Jan-15	0.6	<1	<2	6	<1	0.36

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-433	232 St. North of 130 Ave.	20-Jan-15	0.81	<1	<2	6	<1	0.4
MPR-433	232 St. North of 130 Ave.	27-Jan-15	1	<1	<2	7	<1	0.86
MPR-433	232 St. North of 130 Ave.	3-Feb-15	0.89	<1	<2	6	<1	0.44
MPR-433	232 St. North of 130 Ave.	10-Feb-15	1.1	<1	<2	6	<1	0.55
MPR-433	232 St. North of 130 Ave.	17-Feb-15	0.96	<1	<2	7	<1	0.4
MPR-433	232 St. North of 130 Ave.	24-Feb-15	0.86	<1	<2	7	<1	0.4
MPR-433	232 St. North of 130 Ave.	3-Mar-15	0.85	<1	<2	6	<1	0.5
MPR-433	232 St. North of 130 Ave.	10-Mar-15	0.87	<1	8	7	<1	0.32
MPR-433	232 St. North of 130 Ave.	17-Mar-15	0.69	<1	<2	7	<1	0.46
MPR-433	232 St. North of 130 Ave.	24-Mar-15	0.78	<1	<2	8	<1	0.56
MPR-433	232 St. North of 130 Ave.	31-Mar-15	0.87	<1	<2	8	<1	0.49
MPR-433	232 St. North of 130 Ave.	7-Apr-15	0.92	<1	<2	8	<1	0.49
MPR-433	232 St. North of 130 Ave.	14-Apr-15	0.76	<1	4	8	<1	0.42
MPR-433	232 St. North of 130 Ave.	21-Apr-15	0.71	<1	<2	9	<1	0.41
MPR-433	232 St. North of 130 Ave.	28-Apr-15	0.64	<1	<2	9	<1	0.29
MPR-433	232 St. North of 130 Ave.	5-May-15	0.76	<1	<2	9	<1	0.28
MPR-433	232 St. North of 130 Ave.	12-May-15	0.67	<1	<2	9	<1	0.6
MPR-433	232 St. North of 130 Ave.	19-May-15	0.77	<1	<2	10	<1	0.41
MPR-433	232 St. North of 130 Ave.	26-May-15	0.65	<1	<2	11	<1	0.26
MPR-433	232 St. North of 130 Ave.	2-Jun-15	0.72	<1	<2	12	<1	0.33
MPR-433	232 St. North of 130 Ave.	9-Jun-15	0.92	<1	<2	11	<1	0.35
MPR-433	232 St. North of 130 Ave.	16-Jun-15	0.78	<1	14	13	<1	0.29
MPR-433	232 St. North of 130 Ave.	23-Jun-15	0.79	<1	<2	12	<1	0.26
MPR-433	232 St. North of 130 Ave.	30-Jun-15	0.88	<1	<2	15	<1	0.24
MPR-433	232 St. North of 130 Ave.	7-Jul-15	0.78	<1	2	17	<1	0.21
MPR-433	232 St. North of 130 Ave.	14-Jul-15	0.78	<1	<2	17	<1	0.28
MPR-433	232 St. North of 130 Ave.	21-Jul-15	0.9	<1	<2	17	<1	0.28
MPR-433	232 St. North of 130 Ave.	28-Jul-15	0.75	<1	<2	17	<1	0.25
MPR-433	232 St. North of 130 Ave.	4-Aug-15	0.64	<1	12	18	<1	0.2
MPR-433	232 St. North of 130 Ave.	11-Aug-15	0.74	<1	<2	18	<1	0.23
MPR-433	232 St. North of 130 Ave.	18-Aug-15	0.83	<1	<2	17	<1	0.27

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-433	232 St. North of 130 Ave.	25-Aug-15	0.46	<1	<2	16	<1	0.32
MPR-433	232 St. North of 130 Ave.	1-Sep-15	0.68	<1	<2	16	<1	0.3
MPR-433	232 St. North of 130 Ave.	8-Sep-15	1	<1	<2	15	<1	0.68
MPR-433	232 St. North of 130 Ave.	15-Sep-15	0.79	<1	<2	15	<1	0.49
MPR-433	232 St. North of 130 Ave.	22-Sep-15	0.83	<1	2	14	<1	0.49
MPR-433	232 St. North of 130 Ave.	29-Sep-15	0.69	<1	<2	14	<1	0.45
MPR-433	232 St. North of 130 Ave.	6-Oct-15	0.94	<1	2	14	<1	0.44
MPR-433	232 St. North of 130 Ave.	13-Oct-15	0.79	<1	<2	14	<1	0.33
MPR-433	232 St. North of 130 Ave.	20-Oct-15	0.87	<1	<2	14	<1	0.34
MPR-433	232 St. North of 130 Ave.	27-Oct-15	0.65	<1	<2	14	<1	0.23
MPR-433	232 St. North of 130 Ave.	3-Nov-15	0.53	<1	<2	12	<1	0.47
MPR-433	232 St. North of 130 Ave.	10-Nov-15	0.56	<1	<2	11	<1	0.83
MPR-433	232 St. North of 130 Ave.	17-Nov-15	0.87	<1	<2	10	<1	0.53
MPR-433	232 St. North of 130 Ave.	24-Nov-15	0.84	<1	2	9	<1	0.54
MPR-433	232 St. North of 130 Ave.	1-Dec-15	0.83	<1	<2	7	<1	0.43
MPR-433	232 St. North of 130 Ave.	8-Dec-15	0.63	<1	<2	8	<1	0.6
MPR-433	232 St. North of 130 Ave.	15-Dec-15	0.87	<1	<2	7	<1	0.61
MPR-433	232 St. North of 130 Ave.	22-Dec-15	0.74	<1	NA	7	<1	0.35
MPR-433	232 St. North of 130 Ave.	29-Dec-15	0.83	<1	NA	6	<1	0.3
MPR-434	102 Ave. East of 241A St.	6-Jan-15	0.26	<1	<2	7	<1	0.49
MPR-434	102 Ave. East of 241A St.	13-Jan-15	0.2	<1	<2	7	<1	0.34
MPR-434	102 Ave. East of 241A St.	20-Jan-15	0.24	<1	<2	7	<1	0.36
MPR-434	102 Ave. East of 241A St.	27-Jan-15	0.39	<1	<2	7	<1	0.82
MPR-434	102 Ave. East of 241A St.	3-Feb-15	0.51	<1	<2	7	<1	0.44
MPR-434	102 Ave. East of 241A St.	10-Feb-15	0.51	<1	<2	8	<1	0.35
MPR-434	102 Ave. East of 241A St.	17-Feb-15	0.35	<1	<2	8	<1	0.38
MPR-434	102 Ave. East of 241A St.	24-Feb-15	0.37	<1	<2	8	<1	0.32
MPR-434	102 Ave. East of 241A St.	3-Mar-15	0.39	<1	<2	8	<1	0.32
MPR-434	102 Ave. East of 241A St.	10-Mar-15	0.64	<1	<2	8	<1	0.31
MPR-434	102 Ave. East of 241A St.	17-Mar-15	0.38	<1	<2	9	<1	0.46
MPR-434	102 Ave. East of 241A St.	24-Mar-15	0.4	<1	<2	9	<1	0.42

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-434	102 Ave. East of 241A St.	31-Mar-15	0.51	<1	<2	9	<1	0.72
MPR-434	102 Ave. East of 241A St.	7-Apr-15	0.63	<1	<2	10	<1	0.29
MPR-434	102 Ave. East of 241A St.	14-Apr-15	0.55	<1	<2	9	<1	1.1
MPR-434	102 Ave. East of 241A St.	21-Apr-15	0.3	<1	4	10	<1	0.49
MPR-434	102 Ave. East of 241A St.	28-Apr-15	0.28	<1	<2	10	<1	0.3
MPR-434	102 Ave. East of 241A St.	5-May-15	0.34	<1	2	11	<1	0.3
MPR-434	102 Ave. East of 241A St.	12-May-15	0.49	<1	<2	11	<1	0.29
MPR-434	102 Ave. East of 241A St.	19-May-15	0.66	<1	<2	12	<1	0.39
MPR-434	102 Ave. East of 241A St.	26-May-15	0.6	<1	<2	12	<1	0.34
MPR-434	102 Ave. East of 241A St.	2-Jun-15	0.55	<1	2	13	<1	0.37
MPR-434	102 Ave. East of 241A St.	9-Jun-15	0.82	<1	<2	14	<1	0.42
MPR-434	102 Ave. East of 241A St.	16-Jun-15	0.76	<1	<2	14	<1	0.33
MPR-434	102 Ave. East of 241A St.	23-Jun-15	0.8	<1	2	14	<1	0.29
MPR-434	102 Ave. East of 241A St.	30-Jun-15	0.82	<1	<2	16	<1	0.43
MPR-434	102 Ave. East of 241A St.	7-Jul-15	0.66	<1	<2	18	<1	0.23
MPR-434	102 Ave. East of 241A St.	14-Jul-15	0.66	<1	<2	17	<1	0.22
MPR-434	102 Ave. East of 241A St.	21-Jul-15	0.66	<1	<2	18	<1	0.26
MPR-434	102 Ave. East of 241A St.	28-Jul-15	0.56	<1	<2	19	<1	0.35
MPR-434	102 Ave. East of 241A St.	4-Aug-15	0.72	<1	<2	19	<1	0.26
MPR-434	102 Ave. East of 241A St.	11-Aug-15	0.61	<1	<2	19	<1	0.26
MPR-434	102 Ave. East of 241A St.	18-Aug-15	0.58	<1	2	19	<1	0.26
MPR-434	102 Ave. East of 241A St.	25-Aug-15	0.75	<1	<2	17	<1	0.32
MPR-434	102 Ave. East of 241A St.	1-Sep-15	0.65	<1	<2	18	<1	0.89
MPR-434	102 Ave. East of 241A St.	8-Sep-15	0.89	<1	2	16	<1	0.77
MPR-434	102 Ave. East of 241A St.	15-Sep-15	0.65	<1	<2	16	<1	0.54
MPR-434	102 Ave. East of 241A St.	22-Sep-15	0.56	<1	<2	15	<1	0.67
MPR-434	102 Ave. East of 241A St.	29-Sep-15	0.63	<1	<2	14	<1	0.4
MPR-434	102 Ave. East of 241A St.	6-Oct-15	0.51	<1	<2	15	<1	0.38
MPR-434	102 Ave. East of 241A St.	13-Oct-15	0.59	<1	<2	15	<1	0.37
MPR-434	102 Ave. East of 241A St.	20-Oct-15	0.63	<1	<2	15	<1	0.28
MPR-434	102 Ave. East of 241A St.	27-Oct-15	0.56	<1	<2	14	<1	0.29

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-434	102 Ave. East of 241A St.	3-Nov-15	0.44	<1	<2	13	<1	0.43
MPR-434	102 Ave. East of 241A St.	10-Nov-15	0.48	<1	<2	12	<1	0.69
MPR-434	102 Ave. East of 241A St.	17-Nov-15	0.71	<1	<2	11	<1	0.52
MPR-434	102 Ave. East of 241A St.	24-Nov-15	0.69	<1	<2	10	<1	0.55
MPR-434	102 Ave. East of 241A St.	1-Dec-15	0.54	<1	<2	8	<1	0.48
MPR-434	102 Ave. East of 241A St.	8-Dec-15	0.05	<1	<2	9	<1	0.65
MPR-434	102 Ave. East of 241A St.	15-Dec-15	0.86	<1	<2	8	<1	0.59
MPR-434	102 Ave. East of 241A St.	22-Dec-15	0.65	<1	NA	7	<1	0.41
MPR-434	102 Ave. East of 241A St.	29-Dec-15	0.64	<1	NA	7	<1	0.37
MPR-435	240 St. South of Abernethy Way	6-Jan-15	0.5	<1	20	7	<1	0.44
MPR-435	240 St. South of Abernethy Way	13-Jan-15	0.48	<1	<2	7	<1	0.33
MPR-435	240 St. South of Abernethy Way	20-Jan-15	0.52	<1	<2	7	<1	0.36
MPR-435	240 St. South of Abernethy Way	27-Jan-15	0.62	<1	<2	7	<1	0.77
MPR-435	240 St. South of Abernethy Way	3-Feb-15	0.55	<1	<2	7	<1	0.45
MPR-435	240 St. South of Abernethy Way	10-Feb-15	0.61	<1	<2	7	<1	0.37
MPR-435	240 St. South of Abernethy Way	17-Feb-15	0.56	<1	<2	8	<1	0.35
MPR-435	240 St. South of Abernethy Way	24-Feb-15	0.58	<1	<2	8	<1	0.4
MPR-435	240 St. South of Abernethy Way	3-Mar-15	0.5	<1	<2	7	<1	0.41
MPR-435	240 St. South of Abernethy Way	10-Mar-15	0.45	<1	<2	8	<1	0.3
MPR-435	240 St. South of Abernethy Way	17-Mar-15	0.46	<1	<2	8	<1	0.44
MPR-435	240 St. South of Abernethy Way	24-Mar-15	0.46	<1	<2	8	<1	0.42
MPR-435	240 St. South of Abernethy Way	31-Mar-15	0.44	<1	<2	9	<1	0.38
MPR-435	240 St. South of Abernethy Way	7-Apr-15	0.57	<1	<2	9	<1	0.44
MPR-435	240 St. South of Abernethy Way	14-Apr-15	0.35	<1	<2	9	<1	0.4
MPR-435	240 St. South of Abernethy Way	21-Apr-15	0.28	<1	4	10	<1	0.51
MPR-435	240 St. South of Abernethy Way	28-Apr-15	0.32	<1	<2	11	<1	0.3
MPR-435	240 St. South of Abernethy Way	5-May-15	0.24	<1	<2	11	<1	0.3
MPR-435	240 St. South of Abernethy Way	12-May-15	0.61	<1	<2	11	<1	0.4
MPR-435	240 St. South of Abernethy Way	19-May-15	0.72	<1	<2	12	<1	0.48
MPR-435	240 St. South of Abernethy Way	26-May-15	0.33	<1	<2	13	<1	0.26
MPR-435	240 St. South of Abernethy Way	2-Jun-15	0.51	<1	<2	14	<1	0.34

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-435	240 St. South of Abernethy Way	9-Jun-15	0.5	<1	<2	14	<1	0.43
MPR-435	240 St. South of Abernethy Way	16-Jun-15	0.53	<1	2	14	<1	0.26
MPR-435	240 St. South of Abernethy Way	23-Jun-15	0.55	<1	<2	14	<1	0.29
MPR-435	240 St. South of Abernethy Way	30-Jun-15	0.63	<1	<2	16	<1	0.2
MPR-435	240 St. South of Abernethy Way	7-Jul-15	0.32	<1	<2	18	<1	0.25
MPR-435	240 St. South of Abernethy Way	14-Jul-15	0.37	<1	2	18	<1	0.21
MPR-435	240 St. South of Abernethy Way	21-Jul-15	0.3	<1	<2	19	<1	0.27
MPR-435	240 St. South of Abernethy Way	28-Jul-15	0.2	<1	<2	19	<1	0.24
MPR-435	240 St. South of Abernethy Way	4-Aug-15	0.39	<1	<2	19	<1	0.22
MPR-435	240 St. South of Abernethy Way	11-Aug-15	0.42	<1	<2	19	<1	0.24
MPR-435	240 St. South of Abernethy Way	18-Aug-15	0.17	<1	2	18	<1	0.2
MPR-435	240 St. South of Abernethy Way	25-Aug-15	0.26	<1	<2	19	<1	0.25
MPR-435	240 St. South of Abernethy Way	1-Sep-15	0.1	<1	<2	18	<1	0.29
MPR-435	240 St. South of Abernethy Way	8-Sep-15	0.42	<1	<2	17	<1	0.44
MPR-435	240 St. South of Abernethy Way	15-Sep-15	0.13	<1	<2	16	<1	0.44
MPR-435	240 St. South of Abernethy Way	22-Sep-15	0.37	<1	<2	16	<1	0.42
MPR-435	240 St. South of Abernethy Way	29-Sep-15	0.19	<1	<2	16	<1	0.37
MPR-435	240 St. South of Abernethy Way	6-Oct-15	0.45	<1	<2	15	<1	0.34
MPR-435	240 St. South of Abernethy Way	13-Oct-15	0.34	<1	<2	15	<1	0.38
MPR-435	240 St. South of Abernethy Way	20-Oct-15	0.21	<1	<2	15	<1	0.29
MPR-435	240 St. South of Abernethy Way	27-Oct-15	0.38	<1	<2	14	<1	0.23
MPR-435	240 St. South of Abernethy Way	3-Nov-15	0.11	<1	8	14	<1	0.33
MPR-435	240 St. South of Abernethy Way	10-Nov-15	0.34	<1	<2	12	<1	0.51
MPR-435	240 St. South of Abernethy Way	17-Nov-15	0.57	<1	<2	11	<1	0.47
MPR-435	240 St. South of Abernethy Way	24-Nov-15	0.57	<1	<2	10	<1	0.49
MPR-435	240 St. South of Abernethy Way	1-Dec-15	0.44	<1	<2	9	<1	0.36
MPR-435	240 St. South of Abernethy Way	8-Dec-15	0.08	<1	10	9	<1	0.56
MPR-435	240 St. South of Abernethy Way	15-Dec-15	0.66	<1	<2	8	<1	0.47
MPR-435	240 St. South of Abernethy Way	22-Dec-15	0.53	<1	NA	8	<1	6.2
MPR-435	240 St. South of Abernethy Way	29-Dec-15	0.61	<1	NA	7	<1	0.33
MPR-436	125 Ave. West of Ansell St.	6-Jan-15	0.54	<1	<2	6	<1	0.4

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-436	125 Ave. West of Ansell St.	13-Jan-15	0.66	<1	<2	7	<1	0.43
MPR-436	125 Ave. West of Ansell St.	20-Jan-15	0.55	<1	<2	7	<1	0.27
MPR-436	125 Ave. West of Ansell St.	27-Jan-15	0.75	<1	<2	8	<1	0.7
MPR-436	125 Ave. West of Ansell St.	3-Feb-15	0.82	<1	<2	7	<1	0.7
MPR-436	125 Ave. West of Ansell St.	10-Feb-15	0.37	<1	<2	8	<1	0.32
MPR-436	125 Ave. West of Ansell St.	17-Feb-15	0.17	<1	4	8	<1	0.29
MPR-436	125 Ave. West of Ansell St.	24-Feb-15	0.63	<1	<2	8	<1	0.36
MPR-436	125 Ave. West of Ansell St.	3-Mar-15	0.09	<1	<2	8	<1	1.2
MPR-436	125 Ave. West of Ansell St.	10-Mar-15	0.68	<1	2	8	<1	0.3
MPR-436	125 Ave. West of Ansell St.	17-Mar-15	0.53	<1	<2	9	<1	0.31
MPR-436	125 Ave. West of Ansell St.	24-Mar-15	0.55	<1	<2	9	<1	0.36
MPR-436	125 Ave. West of Ansell St.	31-Mar-15	0.37	<1	<2	10	<1	0.38
MPR-436	125 Ave. West of Ansell St.	7-Apr-15	0.74	<1	<2	9	<1	0.42
MPR-436	125 Ave. West of Ansell St.	14-Apr-15	0.03	<1	6	10	<1	0.32
MPR-436	125 Ave. West of Ansell St.	21-Apr-15	0.69	<1	<2	10	<1	0.86
MPR-436	125 Ave. West of Ansell St.	28-Apr-15	0.17	<1	<2	11	<1	0.25
MPR-436	125 Ave. West of Ansell St.	5-May-15	0.25	<1	<2	11	<1	0.28
MPR-436	125 Ave. West of Ansell St.	12-May-15	0.77	<1	<2	12	<1	0.38
MPR-436	125 Ave. West of Ansell St.	19-May-15	0.91	<1	<2	12	<1	0.46
MPR-436	125 Ave. West of Ansell St.	26-May-15	0.73	<1	<2	13	<1	0.38
MPR-436	125 Ave. West of Ansell St.	2-Jun-15	0.56	<1	<2	14	<1	0.3
MPR-436	125 Ave. West of Ansell St.	9-Jun-15	0.84	<1	2	13	<1	0.32
MPR-436	125 Ave. West of Ansell St.	16-Jun-15	0.54	<1	<2	14	<1	0.28
MPR-436	125 Ave. West of Ansell St.	23-Jun-15	0.54	<1	<2	14	<1	0.3
MPR-436	125 Ave. West of Ansell St.	30-Jun-15	0.61	<1	<2	15	<1	0.35
MPR-436	125 Ave. West of Ansell St.	7-Jul-15	0.79	<1	<2	17	<1	0.19
MPR-436	125 Ave. West of Ansell St.	14-Jul-15	0.57	<1	<2	17	<1	0.23
MPR-436	125 Ave. West of Ansell St.	21-Jul-15	0.63	<1	<2	18	<1	0.22
MPR-436	125 Ave. West of Ansell St.	28-Jul-15	0.83	<1	<2	18	<1	0.29
MPR-436	125 Ave. West of Ansell St.	4-Aug-15	0.77	<1	8	19	<1	0.3
MPR-436	125 Ave. West of Ansell St.	11-Aug-15	1.3	<1	<2	19	<1	0.2

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-436	125 Ave. West of Ansell St.	18-Aug-15	1.4	<1	<2	18	<1	0.36
MPR-436	125 Ave. West of Ansell St.	25-Aug-15	0.66	<1	<2	17	<1	0.25
MPR-436	125 Ave. West of Ansell St.	1-Sep-15	0.56	<1	<2	17	<1	0.26
MPR-436	125 Ave. West of Ansell St.	8-Sep-15	0.48	<1	<2	16	<1	0.55
MPR-436	125 Ave. West of Ansell St.	15-Sep-15	0.42	<1	<2	16	<1	0.43
MPR-436	125 Ave. West of Ansell St.	22-Sep-15	0.69	<1	<2	15	<1	0.4
MPR-436	125 Ave. West of Ansell St.	29-Sep-15	1.1	<1	<2	15	<1	0.44
MPR-436	125 Ave. West of Ansell St.	6-Oct-15	0.94	<1	<2	15	<1	0.48
MPR-436	125 Ave. West of Ansell St.	13-Oct-15	0.43	<1	<2	15	<1	0.37
MPR-436	125 Ave. West of Ansell St.	20-Oct-15	1.2	<1	<2	14	<1	0.4
MPR-436	125 Ave. West of Ansell St.	27-Oct-15	0.97	<1	<2	13	<1	0.3
MPR-436	125 Ave. West of Ansell St.	3-Nov-15	1.1	<1	<2	13	<1	0.49
MPR-436	125 Ave. West of Ansell St.	10-Nov-15	0.84	<1	<2	12	<1	0.58
MPR-436	125 Ave. West of Ansell St.	17-Nov-15	1.2	<1	<2	11	<1	0.48
MPR-436	125 Ave. West of Ansell St.	24-Nov-15	1.4	<1	<2	9	<1	0.45
MPR-436	125 Ave. West of Ansell St.	1-Dec-15	1.5	<1	<2	8	<1	0.43
MPR-436	125 Ave. West of Ansell St.	8-Dec-15	0.89	<1	<2	8	<1	0.63
MPR-436	125 Ave. West of Ansell St.	15-Dec-15	1.7	<1	<2	8	<1	0.55
MPR-436	125 Ave. West of Ansell St.	22-Dec-15	1	<1	NA	7	<1	0.5
MPR-436	125 Ave. West of Ansell St.	29-Dec-15	0.67	<1	NA	7	<1	0.33
MPR-437	248 St. @ 116 Ave.	6-Jan-15	0.66	<1	<2	6	<1	0.38
MPR-437	248 St. @ 116 Ave.	13-Jan-15	0.89	<1	<2	6	<1	0.36
MPR-437	248 St. @ 116 Ave.	20-Jan-15	0.68	<1	<2	6	<1	0.35
MPR-437	248 St. @ 116 Ave.	27-Jan-15	0.88	<1	<2	7	<1	0.77
MPR-437	248 St. @ 116 Ave.	3-Feb-15	0.94	<1	<2	7	<1	0.5
MPR-437	248 St. @ 116 Ave.	10-Feb-15	0.94	<1	<2	7	<1	0.42
MPR-437	248 St. @ 116 Ave.	17-Feb-15	0.98	<1	<2	7	<1	0.43
MPR-437	248 St. @ 116 Ave.	24-Feb-15	0.75	<1	<2	7	<1	0.35
MPR-437	248 St. @ 116 Ave.	3-Mar-15	0.88	<1	<2	7	<1	1
MPR-437	248 St. @ 116 Ave.	10-Mar-15	1.1	<1	<2	7	<1	0.34
MPR-437	248 St. @ 116 Ave.	17-Mar-15	0.94	<1	<2	8	<1	0.36

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-437	248 St. @ 116 Ave.	24-Mar-15	0.97	<1	<2	8	<1	0.47
MPR-437	248 St. @ 116 Ave.	31-Mar-15	0.84	<1	<2	9	<1	0.39
MPR-437	248 St. @ 116 Ave.	7-Apr-15	0.82	<1	<2	9	<1	0.29
MPR-437	248 St. @ 116 Ave.	14-Apr-15	0.76	<1	<2	9	<1	0.43
MPR-437	248 St. @ 116 Ave.	21-Apr-15	1	<1	<2	10	<1	0.66
MPR-437	248 St. @ 116 Ave.	28-Apr-15	0.77	<1	<2	10	<1	0.29
MPR-437	248 St. @ 116 Ave.	5-May-15	0.27	<1	<2	10	<1	0.29
MPR-437	248 St. @ 116 Ave.	12-May-15	0.89	<1	<2	11	<1	0.26
MPR-437	248 St. @ 116 Ave.	19-May-15	0.85	<1	2	12	<1	0.39
MPR-437	248 St. @ 116 Ave.	26-May-15	0.94	<1	<2	12	<1	0.43
MPR-437	248 St. @ 116 Ave.	2-Jun-15	1	<1	<2	13	<1	0.32
MPR-437	248 St. @ 116 Ave.	9-Jun-15	0.97	<1	2	12	<1	0.35
MPR-437	248 St. @ 116 Ave.	16-Jun-15	0.59	<1	<2	13	<1	0.27
MPR-437	248 St. @ 116 Ave.	23-Jun-15	0.62	<1	<2	13	<1	0.31
MPR-437	248 St. @ 116 Ave.	30-Jun-15	0.78	<1	<2	15	<1	0.29
MPR-437	248 St. @ 116 Ave.	7-Jul-15	0.8	<1	<2	17	<1	0.25
MPR-437	248 St. @ 116 Ave.	14-Jul-15	0.6	<1	2	17	<1	0.25
MPR-437	248 St. @ 116 Ave.	21-Jul-15	0.7	<1	<2	17	<1	0.28
MPR-437	248 St. @ 116 Ave.	28-Jul-15	0.98	<1	<2	17	<1	0.31
MPR-437	248 St. @ 116 Ave.	4-Aug-15	1.3	<1	<2	18	<1	0.27
MPR-437	248 St. @ 116 Ave.	11-Aug-15	1.3	<1	2	18	<1	0.26
MPR-437	248 St. @ 116 Ave.	18-Aug-15	1.4	<1	<2	19	<1	0.25
MPR-437	248 St. @ 116 Ave.	25-Aug-15	0.9	<1	2	17	<1	0.28
MPR-437	248 St. @ 116 Ave.	1-Sep-15	0.68	<1	<2	18	<1	0.29
MPR-437	248 St. @ 116 Ave.	8-Sep-15	1.4	<1	<2	16	<1	0.5
MPR-437	248 St. @ 116 Ave.	15-Sep-15	0.92	<1	<2	17	<1	0.58
MPR-437	248 St. @ 116 Ave.	22-Sep-15	1	<1	<2	15	<1	0.51
MPR-437	248 St. @ 116 Ave.	29-Sep-15	1.1	<1	<2	15	<1	0.5
MPR-437	248 St. @ 116 Ave.	6-Oct-15	0.97	<1	<2	14	<1	0.42
MPR-437	248 St. @ 116 Ave.	13-Oct-15	0.99	<1	<2	14	<1	0.41
MPR-437	248 St. @ 116 Ave.	20-Oct-15	1	<1	<2	14	<1	0.38

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-437	248 St. @ 116 Ave.	27-Oct-15	1.2	<1	<2	13	<1	0.26
MPR-437	248 St. @ 116 Ave.	3-Nov-15	0.9	<1	<2	13	<1	0.42
MPR-437	248 St. @ 116 Ave.	10-Nov-15	1.1	<1	<2	11	<1	0.65
MPR-437	248 St. @ 116 Ave.	17-Nov-15	1.7	<1	<2	11	<1	0.59
MPR-437	248 St. @ 116 Ave.	24-Nov-15	1.4	<1	<2	9	<1	0.55
MPR-437	248 St. @ 116 Ave.	1-Dec-15	1.5	<1	<2	7	<1	0.46
MPR-437	248 St. @ 116 Ave.	8-Dec-15	0.79	<1	<2	8	<1	0.63
MPR-437	248 St. @ 116 Ave.	15-Dec-15	1.6	<1	<2	8	<1	0.6
MPR-437	248 St. @ 116 Ave.	22-Dec-15	1	<1	NA	7	<1	0.41
MPR-437	248 St. @ 116 Ave.	29-Dec-15	0.79	<1	NA	7	<1	0.35
MPR-438	125 Ave. West off 256 St.	6-Jan-15	0.58	<1	<2	6	<1	0.37
MPR-438	125 Ave. West off 256 St.	13-Jan-15	0.66	<1	<2	6	<1	0.36
MPR-438	125 Ave. West off 256 St.	20-Jan-15	0.63	<1	<2	7	<1	0.3
MPR-438	125 Ave. West off 256 St.	27-Jan-15	0.82	<1	<2	7	<1	0.79
MPR-438	125 Ave. West off 256 St.	3-Feb-15	0.88	<1	<2	7	<1	0.46
MPR-438	125 Ave. West off 256 St.	10-Feb-15	1.1	<1	<2	7	<1	0.4
MPR-438	125 Ave. West off 256 St.	17-Feb-15	0.91	<1	<2	7	<1	0.44
MPR-438	125 Ave. West off 256 St.	24-Feb-15	0.78	<1	<2	8	<1	0.33
MPR-438	125 Ave. West off 256 St.	3-Mar-15	0.84	<1	<2	7	<1	0.39
MPR-438	125 Ave. West off 256 St.	10-Mar-15	0.77	<1	<2	7	<1	0.34
MPR-438	125 Ave. West off 256 St.	17-Mar-15	0.73	<1	<2	8	<1	0.4
MPR-438	125 Ave. West off 256 St.	24-Mar-15	0.53	<1	<2	8	<1	0.37
MPR-438	125 Ave. West off 256 St.	31-Mar-15	0.74	<1	<2	9	<1	0.35
MPR-438	125 Ave. West off 256 St.	7-Apr-15	0.84	<1	2	9	<1	0.28
MPR-438	125 Ave. West off 256 St.	14-Apr-15	0.81	<1	<2	9	<1	0.54
MPR-438	125 Ave. West off 256 St.	21-Apr-15	0.9	<1	<2	10	<1	0.71
MPR-438	125 Ave. West off 256 St.	28-Apr-15	0.54	<1	<2	10	<1	0.29
MPR-438	125 Ave. West off 256 St.	5-May-15	0.39	<1	<2	10	<1	0.27
MPR-438	125 Ave. West off 256 St.	12-May-15	0.66	<1	<2	11	<1	0.34
MPR-438	125 Ave. West off 256 St.	19-May-15	0.71	<1	<2	12	<1	0.62
MPR-438	125 Ave. West off 256 St.	26-May-15	0.85	<1	<2	12	<1	0.46

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-438	125 Ave. West off 256 St.	2-Jun-15	0.84	<1	<2	13	<1	0.33
MPR-438	125 Ave. West off 256 St.	9-Jun-15	1	<1	<2	12	<1	0.38
MPR-438	125 Ave. West off 256 St.	16-Jun-15	0.63	<1	<2	13	<1	0.29
MPR-438	125 Ave. West off 256 St.	23-Jun-15	0.63	<1	<2	14	<1	0.26
MPR-438	125 Ave. West off 256 St.	30-Jun-15	0.72	<1	<2	15	<1	0.3
MPR-438	125 Ave. West off 256 St.	7-Jul-15	0.7	<1	<2	17	<1	0.2
MPR-438	125 Ave. West off 256 St.	14-Jul-15	0.07	<1	<2	17	<1	0.27
MPR-438	125 Ave. West off 256 St.	21-Jul-15	0.76	<1	<2	18	<1	0.27
MPR-438	125 Ave. West off 256 St.	28-Jul-15	0.78	<1	<2	17	<1	0.28
MPR-438	125 Ave. West off 256 St.	4-Aug-15	1.1	<1	<2	18	<1	0.25
MPR-438	125 Ave. West off 256 St.	11-Aug-15	1.3	<1	<2	18	<1	0.22
MPR-438	125 Ave. West off 256 St.	18-Aug-15	1.4	<1	<2	17	<1	0.63
MPR-438	125 Ave. West off 256 St.	25-Aug-15	0.78	<1	<2	17	<1	0.3
MPR-438	125 Ave. West off 256 St.	1-Sep-15	0.84	<1	4	17	<1	0.31
MPR-438	125 Ave. West off 256 St.	8-Sep-15	0.57	<1	<2	16	<1	0.43
MPR-438	125 Ave. West off 256 St.	15-Sep-15	0.92	<1	<2	16	<1	0.63
MPR-438	125 Ave. West off 256 St.	22-Sep-15	0.65	<1	<2	15	<1	0.41
MPR-438	125 Ave. West off 256 St.	29-Sep-15	0.74	<1	<2	15	<1	0.42
MPR-438	125 Ave. West off 256 St.	6-Oct-15	1.1	<1	<2	14	<1	0.49
MPR-438	125 Ave. West off 256 St.	13-Oct-15	1.1	<1	<2	14	<1	0.41
MPR-438	125 Ave. West off 256 St.	20-Oct-15	1.2	<1	2	14	<1	0.36
MPR-438	125 Ave. West off 256 St.	27-Oct-15	1.1	<1	<2	14	<1	0.3
MPR-438	125 Ave. West off 256 St.	3-Nov-15	0.65	<1	<2	13	<1	0.42
MPR-438	125 Ave. West off 256 St.	10-Nov-15	0.71	<1	2	12	<1	0.87
MPR-438	125 Ave. West off 256 St.	17-Nov-15	1.1	<1	<2	11	<1	0.46
MPR-438	125 Ave. West off 256 St.	24-Nov-15	1.3	<1	<2	9	<1	0.45
MPR-438	125 Ave. West off 256 St.	1-Dec-15	1.4	<1	<2	8	<1	0.45
MPR-438	125 Ave. West off 256 St.	8-Dec-15	0.87	<1	<2	8	<1	0.68
MPR-438	125 Ave. West off 256 St.	15-Dec-15	1.2	<1	<2	8	<1	0.4
MPR-438	125 Ave. West off 256 St.	22-Dec-15	0.96	<1	NA	7	<1	0.49
MPR-438	125 Ave. West off 256 St.	29-Dec-15	0.97	<1	NA	7	<1	0.33

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	6-Jan-15	0.55	<1	<2	5	<1	0.38
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	13-Jan-15	0.44	<1	<2	6	<1	0.45
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	20-Jan-15	0.7	<1	<2	6	<1	0.31
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	27-Jan-15	0.55	<1	2	7	<1	0.73
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	3-Feb-15	0.44	<1	<2	7	<1	0.44
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	10-Feb-15	0.65	<1	<2	8	<1	0.31
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	17-Feb-15	0.58	<1	<2	8	<1	0.34
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	24-Feb-15	0.57	<1	<2	7	<1	0.35
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	3-Mar-15	0.62	<1	<2	7	<1	0.41
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	10-Mar-15	0.55	<1	<2	7	<1	0.3
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	17-Mar-15	0.53	<1	<2	8	<1	0.28
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	24-Mar-15	0.37	<1	<2	9	<1	0.33
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	31-Mar-15	0.44	<1	<2	10	<1	0.36
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	7-Apr-15	0.3	<1	2	10	<1	0.31
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	14-Apr-15	0.39	<1	<2	10	<1	0.29
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	21-Apr-15	0.44	<1	<2	11	<1	0.32
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	28-Apr-15	0.21	<1	<2	11	<1	0.45
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	5-May-15	0.14	<1	<2	12	<1	0.73
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	12-May-15	0.06	<1	2	12	<1	0.4
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	19-May-15	0.22	<1	<2	14	<1	0.38
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	26-May-15	0.31	<1	<2	15	<1	0.78
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	2-Jun-15	0.23	<1	<2	17	<1	0.44
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	9-Jun-15	0.39	<1	<2	17	<1	0.37
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	16-Jun-15	0.23	<1	<2	18	<1	0.29
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	23-Jun-15	0.26	<1	<2	18	<1	0.34
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	30-Jun-15	0.21	<1	<2	19	<1	0.26
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	7-Jul-15	0.35	<1	<2	21	<1	0.29
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	14-Jul-15	0.34	<1	<2	21	<1	0.51
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	21-Jul-15	0.41	<1	<2	21	<1	0.34
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	28-Jul-15	0.52	<1	<2	20	<1	0.21
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	4-Aug-15	0.93	<1	<2	21	<1	0.24

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	11-Aug-15	1.2	<1	<2	21	<1	0.22
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	18-Aug-15	1.1	<1	<2	20	<1	0.28
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	25-Aug-15	0.85	<1	<2	19	<1	0.25
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	1-Sep-15	0.11	<1	<2	19	<1	0.24
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	8-Sep-15	0.66	<1	<2	17	<1	0.36
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	15-Sep-15	0.71	<1	<2	17	<1	0.5
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	22-Sep-15	0.99	<1	<2	16	<1	0.45
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	29-Sep-15	0.37	<1	<2	16	<1	0.47
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	6-Oct-15	0.51	<1	2	14	<1	0.39
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	13-Oct-15	0.87	<1	<2	14	<1	0.46
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	20-Oct-15	0.8	<1	<2	14	<1	0.3
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	27-Oct-15	0.4	<1	<2	13	<1	0.3
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	3-Nov-15	0.56	<1	2	13	<1	0.32
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	10-Nov-15	0.07	<1	<2	11	<1	0.3
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	17-Nov-15	0.1	<1	<2	11	<1	0.37
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	24-Nov-15	1.1	<1	<2	8	<1	0.37
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	1-Dec-15	1.4	<1	<2	7	<1	0.46
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	8-Dec-15	1.1	<1	<2	8	<1	0.51
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	15-Dec-15	0.93	<1	<2	8	<1	0.45
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	22-Dec-15	1.2	<1	NA	7	<1	0.39
MPR-439	130 Ave. @ 251A St. (W. of 256 St.)	29-Dec-15	0.72	<1	NA	7	<1	0.34
MPR-440	232 St. @ 117 Ave.	6-Jan-15	1	<1	2	6	<1	0.68
MPR-440	232 St. @ 117 Ave.	13-Jan-15	0.84	<1	<2	6	<1	0.4
MPR-440	232 St. @ 117 Ave.	20-Jan-15	0.85	<1	<2	6	<1	0.35
MPR-440	232 St. @ 117 Ave.	27-Jan-15	1.4	<1	<2	6	<1	0.39
MPR-440	232 St. @ 117 Ave.	3-Feb-15	1.2	<1	<2	6	<1	0.5
MPR-440	232 St. @ 117 Ave.	10-Feb-15	1.1	<1	<2	6	<1	0.56
MPR-440	232 St. @ 117 Ave.	17-Feb-15	1.1	<1	<2	7	<1	0.44
MPR-440	232 St. @ 117 Ave.	24-Feb-15	1.1	<1	<2	6	<1	0.38
MPR-440	232 St. @ 117 Ave.	3-Mar-15	1	<1	<2	6	<1	0.53
MPR-440	232 St. @ 117 Ave.	10-Mar-15	1.2	<1	<2	6	<1	0.56

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-440	232 St. @ 117 Ave.	17-Mar-15	1.2	<1	<2	7	<1	0.57
MPR-440	232 St. @ 117 Ave.	24-Mar-15	1.1	<1	10	7	<1	0.55
MPR-440	232 St. @ 117 Ave.	31-Mar-15	1.1	<1	<2	8	<1	0.58
MPR-440	232 St. @ 117 Ave.	7-Apr-15	1.2	<1	<2	8	<1	0.48
MPR-440	232 St. @ 117 Ave.	14-Apr-15	0.98	<1	<2	8	<1	0.83
MPR-440	232 St. @ 117 Ave.	21-Apr-15	0.91	<1	<2	8	<1	0.68
MPR-440	232 St. @ 117 Ave.	28-Apr-15	0.93	<1	<2	9	<1	0.28
MPR-440	232 St. @ 117 Ave.	5-May-15	0.98	<1	<2	9	<1	0.33
MPR-440	232 St. @ 117 Ave.	12-May-15	0.99	<1	<2	9	<1	0.34
MPR-440	232 St. @ 117 Ave.	19-May-15	1.2	<1	2	10	<1	0.43
MPR-440	232 St. @ 117 Ave.	26-May-15	1.1	<1	<2	10	<1	0.35
MPR-440	232 St. @ 117 Ave.	2-Jun-15	1.2	<1	<2	10	<1	0.38
MPR-440	232 St. @ 117 Ave.	9-Jun-15	1.1	<1	<2	11	<1	0.36
MPR-440	232 St. @ 117 Ave.	16-Jun-15	0.96	<1	2	13	<1	0.29
MPR-440	232 St. @ 117 Ave.	23-Jun-15	1.1	<1	<2	13	<1	0.26
MPR-440	232 St. @ 117 Ave.	30-Jun-15	1	<1	<2	15	<1	0.23
MPR-440	232 St. @ 117 Ave.	7-Jul-15	0.94	<1	2	16	<1	0.25
MPR-440	232 St. @ 117 Ave.	14-Jul-15	0.94	<1	<2	15	<1	0.27
MPR-440	232 St. @ 117 Ave.	21-Jul-15	0.69	<1	<2	17	<1	0.28
MPR-440	232 St. @ 117 Ave.	28-Jul-15	1.1	<1	<2	17	<1	0.28
MPR-440	232 St. @ 117 Ave.	4-Aug-15	0.97	<1	<2	16	<1	0.25
MPR-440	232 St. @ 117 Ave.	11-Aug-15	0.92	<1	<2	18	<1	0.28
MPR-440	232 St. @ 117 Ave.	18-Aug-15	0.97	<1	<2	17	<1	0.33
MPR-440	232 St. @ 117 Ave.	25-Aug-15	0.5	<1	<2	16	<1	0.41
MPR-440	232 St. @ 117 Ave.	1-Sep-15	1.1	<1	<2	14	<1	1.4
MPR-440	232 St. @ 117 Ave.	8-Sep-15	1.1	<1	<2	15	<1	0.96
MPR-440	232 St. @ 117 Ave.	15-Sep-15	0.96	<1	<2	14	<1	0.72
MPR-440	232 St. @ 117 Ave.	22-Sep-15	0.63	<1	<2	14	<1	0.54
MPR-440	232 St. @ 117 Ave.	29-Sep-15	1.3	<1	<2	14	<1	0.46
MPR-440	232 St. @ 117 Ave.	6-Oct-15	0.93	<1	<2	14	<1	0.39
MPR-440	232 St. @ 117 Ave.	13-Oct-15	1	<1	<2	14	<1	0.42

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-440	232 St. @ 117 Ave.	20-Oct-15	1.1	<1	<2	14	<1	0.35
MPR-440	232 St. @ 117 Ave.	27-Oct-15	0.75	<1	<2	14	<1	0.25
MPR-440	232 St. @ 117 Ave.	3-Nov-15	0.89	<1	4	12	<1	0.52
MPR-440	232 St. @ 117 Ave.	10-Nov-15	0.89	<1	<2	11	<1	0.71
MPR-440	232 St. @ 117 Ave.	17-Nov-15	1.1	<1	<2	10	<1	0.5
MPR-440	232 St. @ 117 Ave.	24-Nov-15	0.98	<1	<2	9	<1	0.58
MPR-440	232 St. @ 117 Ave.	1-Dec-15	0.88	<1	<2	6	<1	0.4
MPR-440	232 St. @ 117 Ave.	8-Dec-15	0.57	<1	<2	8	<1	0.68
MPR-440	232 St. @ 117 Ave.	15-Dec-15	1.2	<1	<2	7	<1	0.59
MPR-440	232 St. @ 117 Ave.	22-Dec-15	0.75	<1	NA	7	<1	0.49
MPR-440	232 St. @ 117 Ave.	29-Dec-15	0.82	<1	NA	6	<1	0.43
MPR-441	132 Ave. @ Cedar Way	6-Jan-15	0.12	<1	<2	6	<1	0.71
MPR-441	132 Ave. @ Cedar Way	13-Jan-15	0.1	<1	2	6	<1	0.34
MPR-441	132 Ave. @ Cedar Way	20-Jan-15	0.04	<1	4	7	<1	0.32
MPR-441	132 Ave. @ Cedar Way	27-Jan-15	0.18	<1	<2	8	<1	0.69
MPR-441	132 Ave. @ Cedar Way	3-Feb-15	0.23	<1	<2	7	<1	0.56
MPR-441	132 Ave. @ Cedar Way	10-Feb-15	0.25	<1	<2	8	<1	0.35
MPR-441	132 Ave. @ Cedar Way	17-Feb-15	0.26	<1	<2	8	<1	0.35
MPR-441	132 Ave. @ Cedar Way	24-Feb-15	0.17	<1	<2	8	<1	0.3
MPR-441	132 Ave. @ Cedar Way	3-Mar-15	0.07	<1	<2	7	<1	0.4
MPR-441	132 Ave. @ Cedar Way	10-Mar-15	0.09	<1	<2	8	<1	0.32
MPR-441	132 Ave. @ Cedar Way	17-Mar-15	0.11	<1	<2	9	<1	0.31
MPR-441	132 Ave. @ Cedar Way	24-Mar-15	<0.01	<1	<2	9	<1	0.34
MPR-441	132 Ave. @ Cedar Way	31-Mar-15	0.12	<1	<2	10	<1	4.4
MPR-441	132 Ave. @ Cedar Way	7-Apr-15	0.26	<1	<2	10	<1	0.32
MPR-441	132 Ave. @ Cedar Way	14-Apr-15	0.16	<1	<2	10	<1	0.46
MPR-441	132 Ave. @ Cedar Way	21-Apr-15	0.09	<1	<2	11	<1	0.49
MPR-441	132 Ave. @ Cedar Way	28-Apr-15	0.14	<1	<2	11	<1	0.23
MPR-441	132 Ave. @ Cedar Way	5-May-15	0.1	<1	<2	12	<1	0.28
MPR-441	132 Ave. @ Cedar Way	12-May-15	0.28	<1	<2	12	<1	0.32
MPR-441	132 Ave. @ Cedar Way	19-May-15	0.25	<1	2	13	<1	0.43

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-441	132 Ave. @ Cedar Way	26-May-15	0.12	<1	<2	14	<1	0.29
MPR-441	132 Ave. @ Cedar Way	2-Jun-15	0.24	<1	<2	15	<1	0.29
MPR-441	132 Ave. @ Cedar Way	9-Jun-15	0.48	<1	<2	14	<1	0.46
MPR-441	132 Ave. @ Cedar Way	16-Jun-15	0.48	<1	<2	15	<1	0.69
MPR-441	132 Ave. @ Cedar Way	24-Jun-15	0.75	<1	<2	15	<1	0.34
MPR-441	132 Ave. @ Cedar Way	30-Jun-15	0.64	<1	<2	16	<1	0.27
MPR-441	132 Ave. @ Cedar Way	7-Jul-15	0.52	<1	2	19	<1	0.2
MPR-441	132 Ave. @ Cedar Way	14-Jul-15	0.48	<1	<2	19	<1	0.29
MPR-441	132 Ave. @ Cedar Way	21-Jul-15	0.3	<1	<2	19	<1	0.25
MPR-441	132 Ave. @ Cedar Way	28-Jul-15	0.09	<1	<2	20	<1	0.21
MPR-441	132 Ave. @ Cedar Way	4-Aug-15	0.15	<1	<2	21	<1	0.21
MPR-441	132 Ave. @ Cedar Way	11-Aug-15	0.57	<1	2	20	<1	0.21
MPR-441	132 Ave. @ Cedar Way	18-Aug-15	0.03	<1	2	18	<1	0.26
MPR-441	132 Ave. @ Cedar Way	25-Aug-15	0.2	<1	<2	20	<1	0.26
MPR-441	132 Ave. @ Cedar Way	1-Sep-15	<0.01	<1	26	19	<1	0.27
MPR-441	132 Ave. @ Cedar Way	8-Sep-15	0.01	<1	50	17	<1	0.48
MPR-441	132 Ave. @ Cedar Way	15-Sep-15	<0.01	<1	130	17	1	0.38
MPR-441	132 Ave. @ Cedar Way	22-Sep-15	<0.01	<1	32	17	<1	0.37
MPR-441	132 Ave. @ Cedar Way	29-Sep-15	0.02	<1	2	14	<1	0.37
MPR-441	132 Ave. @ Cedar Way	6-Oct-15	0.19	<1	<2	14	<1	0.34
MPR-441	132 Ave. @ Cedar Way	13-Oct-15	0.14	<1	<2	15	<1	0.39
MPR-441	132 Ave. @ Cedar Way	20-Oct-15	0.13	<1	<2	14	<1	0.3
MPR-441	132 Ave. @ Cedar Way	27-Oct-15	0.17	<1	<2	14	<1	0.23
MPR-441	132 Ave. @ Cedar Way	3-Nov-15	0.09	<1	<2	13	<1	0.4
MPR-441	132 Ave. @ Cedar Way	10-Nov-15	0.06	<1	<2	11	<1	0.49
MPR-441	132 Ave. @ Cedar Way	17-Nov-15	0.21	<1	<2	11	<1	0.55
MPR-441	132 Ave. @ Cedar Way	24-Nov-15	0.29	<1	<2	9	<1	0.43
MPR-441	132 Ave. @ Cedar Way	1-Dec-15	0.2	<1	2	7	<1	0.41
MPR-441	132 Ave. @ Cedar Way	8-Dec-15	0.16	<1	<2	8	<1	0.43
MPR-441	132 Ave. @ Cedar Way	15-Dec-15	0.18	<1	<2	8	<1	0.33
MPR-441	132 Ave. @ Cedar Way	22-Dec-15	0.08	<1	NA	7	<1	0.29

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-441	132 Ave. @ Cedar Way	29-Dec-15	0.03	<1	NA	6	<1	0.26
MPR-442	Princess St. @ Ditton St.	6-Jan-15	0.72	<1	<2	7	<1	0.54
MPR-442	Princess St. @ Ditton St.	13-Jan-15	0.6	<1	<2	7	<1	0.4
MPR-442	Princess St. @ Ditton St.	20-Jan-15	0.81	<1	<2	7	<1	0.42
MPR-442	Princess St. @ Ditton St.	27-Jan-15	0.86	<1	<2	7	<1	0.69
MPR-442	Princess St. @ Ditton St.	3-Feb-15	0.7	<1	2	7	<1	0.51
MPR-442	Princess St. @ Ditton St.	10-Feb-15	0.85	<1	<2	7	<1	0.4
MPR-442	Princess St. @ Ditton St.	17-Feb-15	0.74	<1	<2	8	<1	0.45
MPR-442	Princess St. @ Ditton St.	24-Feb-15	0.74	<1	<2	8	<1	1.4
MPR-442	Princess St. @ Ditton St.	3-Mar-15	0.67	<1	<2	7	<1	0.37
MPR-442	Princess St. @ Ditton St.	10-Mar-15	0.7	<1	<2	8	<1	0.52
MPR-442	Princess St. @ Ditton St.	17-Mar-15	0.69	<1	<2	8	<1	0.4
MPR-442	Princess St. @ Ditton St.	24-Mar-15	0.66	<1	<2	9	<1	0.44
MPR-442	Princess St. @ Ditton St.	31-Mar-15	0.62	<1	<2	9	<1	0.42
MPR-442	Princess St. @ Ditton St.	7-Apr-15	0.72	<1	<2	9	<1	0.35
MPR-442	Princess St. @ Ditton St.	14-Apr-15	0.51	<1	<2	9	<1	0.38
MPR-442	Princess St. @ Ditton St.	21-Apr-15	0.56	<1	<2	10	<1	0.35
MPR-442	Princess St. @ Ditton St.	28-Apr-15	0.54	<1	<2	10	<1	0.27
MPR-442	Princess St. @ Ditton St.	5-May-15	0.59	<1	<2	11	<1	0.32
MPR-442	Princess St. @ Ditton St.	12-May-15	0.69	<1	<2	11	<1	0.35
MPR-442	Princess St. @ Ditton St.	19-May-15	0.78	<1	<2	12	<1	0.49
MPR-442	Princess St. @ Ditton St.	26-May-15	0.49	<1	<2	12	<1	0.29
MPR-442	Princess St. @ Ditton St.	2-Jun-15	0.74	<1	<2	13	<1	0.37
MPR-442	Princess St. @ Ditton St.	9-Jun-15	1	<1	4	12	<1	0.34
MPR-442	Princess St. @ Ditton St.	16-Jun-15	0.91	<1	<2	13	<1	0.27
MPR-442	Princess St. @ Ditton St.	23-Jun-15	0.93	<1	<2	13	<1	0.29
MPR-442	Princess St. @ Ditton St.	30-Jun-15	0.87	<1	<2	15	<1	0.27
MPR-442	Princess St. @ Ditton St.	7-Jul-15	0.94	<1	<2	17	<1	0.21
MPR-442	Princess St. @ Ditton St.	14-Jul-15	0.48	<1	<2	18	<1	0.2
MPR-442	Princess St. @ Ditton St.	21-Jul-15	0.56	<1	<2	19	<1	0.2
MPR-442	Princess St. @ Ditton St.	28-Jul-15	0.47	<1	<2	19	<1	0.23

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-442	Princess St. @ Ditton St.	4-Aug-15	0.46	<1	<2	19	<1	0.27
MPR-442	Princess St. @ Ditton St.	11-Aug-15	0.65	<1	<2	19	<1	0.23
MPR-442	Princess St. @ Ditton St.	18-Aug-15	0.46	<1	<2	19	1	0.22
MPR-442	Princess St. @ Ditton St.	25-Aug-15	0.47	<1	<2	18	<1	0.26
MPR-442	Princess St. @ Ditton St.	1-Sep-15	0.28	<1	<2	18	<1	0.4
MPR-442	Princess St. @ Ditton St.	8-Sep-15	0.39	<1	<2	17	<1	0.94
MPR-442	Princess St. @ Ditton St.	15-Sep-15	0.34	<1	<2	17	1	0.48
MPR-442	Princess St. @ Ditton St.	22-Sep-15	0.61	<1	<2	16	<1	0.41
MPR-442	Princess St. @ Ditton St.	29-Sep-15	0.4	<1	<2	16	<1	0.38
MPR-442	Princess St. @ Ditton St.	6-Oct-15	0.33	<1	<2	16	<1	0.33
MPR-442	Princess St. @ Ditton St.	13-Oct-15	0.44	<1	<2	15	<1	0.33
MPR-442	Princess St. @ Ditton St.	20-Oct-15	0.4	<1	<2	15	<1	0.31
MPR-442	Princess St. @ Ditton St.	27-Oct-15	0.27	<1	2	14	<1	0.23
MPR-442	Princess St. @ Ditton St.	3-Nov-15	0.22	<1	<2	14	<1	0.38
MPR-442	Princess St. @ Ditton St.	10-Nov-15	0.23	<1	<2	12	<1	0.57
MPR-442	Princess St. @ Ditton St.	17-Nov-15	0.35	<1	<2	12	<1	0.45
MPR-442	Princess St. @ Ditton St.	24-Nov-15	0.3	<1	<2	10	<1	0.44
MPR-442	Princess St. @ Ditton St.	1-Dec-15	0.21	<1	<2	8	<1	0.37
MPR-442	Princess St. @ Ditton St.	8-Dec-15	0.2	<1	<2	9	<1	0.41
MPR-442	Princess St. @ Ditton St.	15-Dec-15	0.36	<1	<2	9	<1	0.43
MPR-442	Princess St. @ Ditton St.	22-Dec-15	0.33	<1	NA	8	<1	0.33
MPR-442	Princess St. @ Ditton St.	29-Dec-15	0.34	<1	NA	7	<1	0.35
MPR-443	216 St. @ Donovan	6-Jan-15	0.85	<1	2	7	<1	0.56
MPR-443	216 St. @ Donovan	13-Jan-15	0.71	<1	<2	6	<1	0.31
MPR-443	216 St. @ Donovan	20-Jan-15	0.76	<1	<2	6	<1	0.35
MPR-443	216 St. @ Donovan	27-Jan-15	1	<1	<2	7	<1	0.73
MPR-443	216 St. @ Donovan	3-Feb-15	1	<1	<2	7	<1	0.53
MPR-443	216 St. @ Donovan	10-Feb-15	1	<1	<2	7	<1	0.46
MPR-443	216 St. @ Donovan	17-Feb-15	0.94	<1	<2	7	<1	0.37
MPR-443	216 St. @ Donovan	24-Feb-15	0.94	<1	<2	7	<1	0.37
MPR-443	216 St. @ Donovan	3-Mar-15	0.78	<1	<2	7	<1	0.35

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-443	216 St. @ Donovan	10-Mar-15	1.1	<1	<2	7	<1	0.44
MPR-443	216 St. @ Donovan	17-Mar-15	0.97	<1	<2	7	<1	0.38
MPR-443	216 St. @ Donovan	24-Mar-15	0.81	<1	<2	8	<1	0.46
MPR-443	216 St. @ Donovan	31-Mar-15	0.84	<1	<2	8	<1	0.62
MPR-443	216 St. @ Donovan	7-Apr-15	0.87	<1	<2	9	<1	0.44
MPR-443	216 St. @ Donovan	14-Apr-15	0.66	<1	2	9	<1	0.47
MPR-443	216 St. @ Donovan	21-Apr-15	0.68	<1	<2	10	<1	0.35
MPR-443	216 St. @ Donovan	28-Apr-15	0.74	<1	<2	10	<1	0.25
MPR-443	216 St. @ Donovan	5-May-15	0.83	<1	<2	10	<1	0.29
MPR-443	216 St. @ Donovan	12-May-15	1	<1	<2	9	<1	0.35
MPR-443	216 St. @ Donovan	19-May-15	1.1	<1	<2	10	<1	0.38
MPR-443	216 St. @ Donovan	26-May-15	0.9	<1	<2	11	<1	0.29
MPR-443	216 St. @ Donovan	2-Jun-15	0.85	<1	<2	12	<1	0.3
MPR-443	216 St. @ Donovan	9-Jun-15	1.1	<1	<2	12	<1	0.35
MPR-443	216 St. @ Donovan	16-Jun-15	1	<1	<2	13	<1	0.26
MPR-443	216 St. @ Donovan	23-Jun-15	1.1	<1	<2	14	<1	0.26
MPR-443	216 St. @ Donovan	30-Jun-15	0.84	<1	<2	16	<1	0.19
MPR-443	216 St. @ Donovan	7-Jul-15	0.74	<1	<2	18	<1	0.21
MPR-443	216 St. @ Donovan	14-Jul-15	0.86	<1	<2	16	<1	0.27
MPR-443	216 St. @ Donovan	21-Jul-15	0.93	<1	<2	17	<1	0.33
MPR-443	216 St. @ Donovan	28-Jul-15	0.91	<1	<2	18	<1	0.29
MPR-443	216 St. @ Donovan	4-Aug-15	0.76	<1	<2	17	<1	0.3
MPR-443	216 St. @ Donovan	11-Aug-15	0.93	<1	<2	19	<1	1.3
MPR-443	216 St. @ Donovan	18-Aug-15	0.9	<1	<2	18	<1	0.26
MPR-443	216 St. @ Donovan	25-Aug-15	0.9	<1	<2	17	<1	0.38
MPR-443	216 St. @ Donovan	1-Sep-15	0.86	<1	<2	17	<1	1.1
MPR-443	216 St. @ Donovan	8-Sep-15	0.95	<1	<2	16	<1	0.54
MPR-443	216 St. @ Donovan	15-Sep-15	0.78	<1	<2	15	<1	0.95
MPR-443	216 St. @ Donovan	22-Sep-15	0.81	<1	<2	15	<1	0.46
MPR-443	216 St. @ Donovan	29-Sep-15	0.74	<1	<2	14	<1	0.43
MPR-443	216 St. @ Donovan	6-Oct-15	0.59	<1	<2	15	<1	0.43

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-443	216 St. @ Donovan	13-Oct-15	0.91	<1	2	14	<1	0.44
MPR-443	216 St. @ Donovan	20-Oct-15	0.89	<1	2	14	<1	0.28
MPR-443	216 St. @ Donovan	27-Oct-15	0.7	<1	<2	14	<1	0.28
MPR-443	216 St. @ Donovan	3-Nov-15	0.75	<1	<2	13	<1	0.38
MPR-443	216 St. @ Donovan	10-Nov-15	0.5	<1	<2	12	<1	0.53
MPR-443	216 St. @ Donovan	17-Nov-15	0.88	<1	<2	11	<1	0.52
MPR-443	216 St. @ Donovan	24-Nov-15	0.62	<1	2	9	<1	0.53
MPR-443	216 St. @ Donovan	1-Dec-15	0.37	<1	<2	8	<1	0.36
MPR-443	216 St. @ Donovan	8-Dec-15	0.26	<1	<2	8	<1	0.47
MPR-443	216 St. @ Donovan	15-Dec-15	0.66	<1	<2	8	<1	0.6
MPR-443	216 St. @ Donovan	22-Dec-15	0.45	<1	NA	8	<1	0.35
MPR-443	216 St. @ Donovan	29-Dec-15	0.43	<1	NA	7	<1	0.32
MPR-444	Foreman Drive @ 232nd St.	6-Jan-15	0.38	<1	<2	6	<1	0.32
MPR-444	Foreman Drive @ 232nd St.	13-Jan-15	0.48	<1	<2	6	<1	0.32
MPR-444	Foreman Drive @ 232nd St.	20-Jan-15	0.41	<1	<2	6	<1	0.32
MPR-444	Foreman Drive @ 232nd St.	27-Jan-15	0.9	<1	<2	7	<1	0.84
MPR-444	Foreman Drive @ 232nd St.	3-Feb-15	0.78	<1	<2	7	<1	0.45
MPR-444	Foreman Drive @ 232nd St.	10-Feb-15	0.78	<1	<2	7	<1	0.41
MPR-444	Foreman Drive @ 232nd St.	17-Feb-15	0.66	<1	<2	8	<1	0.36
MPR-444	Foreman Drive @ 232nd St.	24-Feb-15	0.64	<1	<2	7	<1	0.37
MPR-444	Foreman Drive @ 232nd St.	3-Mar-15	0.6	<1	<2	7	<1	0.48
MPR-444	Foreman Drive @ 232nd St.	10-Mar-15	0.6	<1	<2	7	<1	0.31
MPR-444	Foreman Drive @ 232nd St.	17-Mar-15	0.6	<1	<2	8	<1	0.53
MPR-444	Foreman Drive @ 232nd St.	24-Mar-15	0.62	<1	<2	8	<1	0.39
MPR-444	Foreman Drive @ 232nd St.	31-Mar-15	0.58	<1	<2	9	<1	0.33
MPR-444	Foreman Drive @ 232nd St.	7-Apr-15	0.64	<1	<2	9	<1	0.29
MPR-444	Foreman Drive @ 232nd St.	14-Apr-15	0.39	<1	<2	9	<1	0.25
MPR-444	Foreman Drive @ 232nd St.	21-Apr-15	0.46	<1	<2	10	<1	2.1
MPR-444	Foreman Drive @ 232nd St.	28-Apr-15	0.35	<1	<2	10	<1	0.3
MPR-444	Foreman Drive @ 232nd St.	5-May-15	0.44	<1	<2	10	<1	0.25
MPR-444	Foreman Drive @ 232nd St.	12-May-15	0.46	<1	<2	11	<1	0.67

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-444	Foreman Drive @ 232nd St.	19-May-15	0.61	<1	<2	11	<1	0.32
MPR-444	Foreman Drive @ 232nd St.	26-May-15	0.5	<1	<2	12	<1	0.3
MPR-444	Foreman Drive @ 232nd St.	2-Jun-15	0.66	<1	<2	12	<1	0.3
MPR-444	Foreman Drive @ 232nd St.	9-Jun-15	0.85	<1	<2	12	<1	0.75
MPR-444	Foreman Drive @ 232nd St.	16-Jun-15	0.73	<1	<2	13	<1	0.4
MPR-444	Foreman Drive @ 232nd St.	23-Jun-15	0.75	<1	<2	14	<1	0.43
MPR-444	Foreman Drive @ 232nd St.	30-Jun-15	0.62	<1	<2	16	<1	0.34
MPR-444	Foreman Drive @ 232nd St.	7-Jul-15	0.55	<1	<2	18	<1	0.22
MPR-444	Foreman Drive @ 232nd St.	14-Jul-15	0.64	<1	2	18	<1	0.23
MPR-444	Foreman Drive @ 232nd St.	21-Jul-15	0.9	<1	18	18	<1	0.26
MPR-444	Foreman Drive @ 232nd St.	28-Jul-15	0.51	<1	<2	18	<1	0.23
MPR-444	Foreman Drive @ 232nd St.	4-Aug-15	0.48	<1	<2	19	<1	0.24
MPR-444	Foreman Drive @ 232nd St.	11-Aug-15	0.42	<1	<2	18	<1	0.2
MPR-444	Foreman Drive @ 232nd St.	18-Aug-15	0.42	<1	<2	18	<1	0.24
MPR-444	Foreman Drive @ 232nd St.	25-Aug-15	0.25	<1	<2	17	<1	0.35
MPR-444	Foreman Drive @ 232nd St.	1-Sep-15	0.38	<1	<2	17	<1	0.26
MPR-444	Foreman Drive @ 232nd St.	8-Sep-15	0.56	<1	<2	16	<1	0.49
MPR-444	Foreman Drive @ 232nd St.	15-Sep-15	0.47	<1	<2	15	<1	0.52
MPR-444	Foreman Drive @ 232nd St.	22-Sep-15	0.34	<1	<2	15	<1	0.39
MPR-444	Foreman Drive @ 232nd St.	29-Sep-15	0.79	<1	<2	14	<1	0.42
MPR-444	Foreman Drive @ 232nd St.	6-Oct-15	0.33	<1	<2	14	<1	0.38
MPR-444	Foreman Drive @ 232nd St.	13-Oct-15	0.34	<1	<2	14	<1	0.44
MPR-444	Foreman Drive @ 232nd St.	20-Oct-15	0.42	<1	<2	14	<1	0.29
MPR-444	Foreman Drive @ 232nd St.	27-Oct-15	0.36	<1	<2	14	<1	0.21
MPR-444	Foreman Drive @ 232nd St.	3-Nov-15	0.24	<1	<2	13	<1	0.31
MPR-444	Foreman Drive @ 232nd St.	10-Nov-15	0.26	<1	<2	11	<1	0.56
MPR-444	Foreman Drive @ 232nd St.	17-Nov-15	0.41	<1	<2	11	<1	0.49
MPR-444	Foreman Drive @ 232nd St.	24-Nov-15	0.55	<1	<2	9	<1	0.49
MPR-444	Foreman Drive @ 232nd St.	1-Dec-15	0.37	<1	<2	7	<1	0.42
MPR-444	Foreman Drive @ 232nd St.	8-Dec-15	0.28	<1	<2	8	<1	0.4
MPR-444	Foreman Drive @ 232nd St.	15-Dec-15	0.58	<1	<2	8	<1	0.35

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-444	Foreman Drive @ 232nd St.	22-Dec-15	0.41	<1	NA	7	<1	0.3
MPR-444	Foreman Drive @ 232nd St.	29-Dec-15	0.48	<1	NA	7	<1	0.39
MPR-445	127th Ave. and 266 St.	6-Jan-15	0.25	<1	2	7	<1	0.34
MPR-445	127th Ave. and 266 St.	13-Jan-15	0.38	<1	2	7	<1	0.33
MPR-445	127th Ave. and 266 St.	20-Jan-15	0.28	<1	<2	7	<1	0.31
MPR-445	127th Ave. and 266 St.	27-Jan-15	0.54	<1	<2	7	<1	0.48
MPR-445	127th Ave. and 266 St.	3-Feb-15	0.73	<1	<2	7	<1	0.47
MPR-445	127th Ave. and 266 St.	10-Feb-15	0.61	<1	<2	8	<1	0.31
MPR-445	127th Ave. and 266 St.	17-Feb-15	0.54	<1	<2	8	<1	0.37
MPR-445	127th Ave. and 266 St.	24-Feb-15	0.47	<1	<2	8	<1	0.31
MPR-445	127th Ave. and 266 St.	3-Mar-15	0.4	<1	<2	7	<1	0.37
MPR-445	127th Ave. and 266 St.	10-Mar-15	0.35	<1	<2	8	<1	0.3
MPR-445	127th Ave. and 266 St.	17-Mar-15	0.31	<1	<2	8	<1	0.27
MPR-445	127th Ave. and 266 St.	24-Mar-15	0.07	<1	<2	9	<1	0.35
MPR-445	127th Ave. and 266 St.	31-Mar-15	0.18	<1	<2	9	<1	0.31
MPR-445	127th Ave. and 266 St.	7-Apr-15	0.4	<1	<2	10	<1	0.3
MPR-445	127th Ave. and 266 St.	14-Apr-15	0.3	<1	<2	10	<1	0.44
MPR-445	127th Ave. and 266 St.	21-Apr-15	0.29	<1	<2	11	<1	0.29
MPR-445	127th Ave. and 266 St.	28-Apr-15	0.28	<1	<2	11	<1	0.36
MPR-445	127th Ave. and 266 St.	5-May-15	0.25	<1	<2	12	<1	0.29
MPR-445	127th Ave. and 266 St.	12-May-15	0.1	<1	2	13	<1	0.3
MPR-445	127th Ave. and 266 St.	19-May-15	0.39	<1	<2	13	<1	0.33
MPR-445	127th Ave. and 266 St.	26-May-15	0.34	<1	<2	15	<1	0.73
MPR-445	127th Ave. and 266 St.	2-Jun-15	0.03	<1	2	15	<1	0.34
MPR-445	127th Ave. and 266 St.	9-Jun-15	0.27	<1	<2	14	<1	0.47
MPR-445	127th Ave. and 266 St.	16-Jun-15	0.35	<1	<2	17	<1	0.27
MPR-445	127th Ave. and 266 St.	23-Jun-15	0.25	<1	<2	17	<1	0.31
MPR-445	127th Ave. and 266 St.	30-Jun-15	0.2	<1	<2	17	<1	0.27
MPR-445	127th Ave. and 266 St.	7-Jul-15	0.35	<1	<2	17	<1	0.31
MPR-445	127th Ave. and 266 St.	14-Jul-15	0.47	<1	<2	20	<1	0.23
MPR-445	127th Ave. and 266 St.	21-Jul-15	0.98	<1	<2	19	<1	0.28

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU /mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-445	127th Ave. and 266 St.	28-Jul-15	0.68	<1	<2	20	<1	0.19
MPR-445	127th Ave. and 266 St.	4-Aug-15	1.2	<1	<2	21	<1	0.22
MPR-445	127th Ave. and 266 St.	11-Aug-15	1.3	<1	<2	20	<1	0.2
MPR-445	127th Ave. and 266 St.	18-Aug-15	1.5	<1	<2	20	<1	0.65
MPR-445	127th Ave. and 266 St.	25-Aug-15	1.1	<1	2	20	<1	0.26
MPR-445	127th Ave. and 266 St.	1-Sep-15	0.19	<1	<2	19	<1	0.22
MPR-445	127th Ave. and 266 St.	8-Sep-15	0.65	<1	2	18	<1	0.35
MPR-445	127th Ave. and 266 St.	15-Sep-15	0.69	<1	<2	18	<1	0.5
MPR-445	127th Ave. and 266 St.	22-Sep-15	0.44	<1	2	17	<1	0.31
MPR-445	127th Ave. and 266 St.	29-Sep-15	0.84	<1	<2	16	<1	0.32
MPR-445	127th Ave. and 266 St.	6-Oct-15	0.75	<1	<2	16	<1	0.4
MPR-445	127th Ave. and 266 St.	13-Oct-15	0.8	<1	<2	16	<1	0.36
MPR-445	127th Ave. and 266 St.	20-Oct-15	0.9	<1	2	15	<1	0.32
MPR-445	127th Ave. and 266 St.	27-Oct-15	0.75	<1	<2	14	<1	0.33
MPR-445	127th Ave. and 266 St.	3-Nov-15	0.57	<1	<2	14	<1	0.32
MPR-445	127th Ave. and 266 St.	10-Nov-15	0.31	<1	<2	12	<1	0.32
MPR-445	127th Ave. and 266 St.	17-Nov-15	0.62	<1	<2	12	<1	0.41
MPR-445	127th Ave. and 266 St.	24-Nov-15	0.74	<1	<2	11	<1	0.38
MPR-445	127th Ave. and 266 St.	1-Dec-15	0.85	<1	<2	10	<1	0.35
MPR-445	127th Ave. and 266 St.	8-Dec-15	0.71	<1	2	9	<1	0.39
MPR-445	127th Ave. and 266 St.	15-Dec-15	0.83	<1	<2	9	<1	0.35
MPR-445	127th Ave. and 266 St.	22-Dec-15	1.1	<1	NA	8	<1	0.29
MPR-445	127th Ave. and 266 St.	29-Dec-15	0.58	<1	NA	8	<1	0.3
MPR-446	128th Ave and Willow Place	6-Jan-15	0.75	<1	22	6	<1	0.5
MPR-446	128th Ave and Willow Place	13-Jan-15	0.92	<1	<2	6	<1	0.48
MPR-446	128th Ave and Willow Place	20-Jan-15	0.85	<1	<2	6	<1	0.38
MPR-446	128th Ave and Willow Place	27-Jan-15	1.3	<1	<2	7	<1	0.39
MPR-446	128th Ave and Willow Place	3-Feb-15	0.84	<1	<2	7	<1	0.5
MPR-446	128th Ave and Willow Place	10-Feb-15	0.69	<1	<2	8	<1	0.46
MPR-446	128th Ave and Willow Place	17-Feb-15	1.1	<1	<2	8	<1	0.49
MPR-446	128th Ave and Willow Place	24-Feb-15	0.77	<1	<2	7	<1	0.43

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-446	128th Ave and Willow Place	3-Mar-15	1.2	<1	<2	7	<1	0.42
MPR-446	128th Ave and Willow Place	10-Mar-15	0.89	<1	<2	7	<1	0.36
MPR-446	128th Ave and Willow Place	17-Mar-15	0.85	<1	<2	8	<1	0.3
MPR-446	128th Ave and Willow Place	24-Mar-15	0.73	<1	<2	8	<1	0.3
MPR-446	128th Ave and Willow Place	31-Mar-15	0.65	<1	<2	8	<1	0.34
MPR-446	128th Ave and Willow Place	7-Apr-15	1.5	<1	<2	9	<1	0.33
MPR-446	128th Ave and Willow Place	14-Apr-15	0.77	<1	<2	9	<1	0.32
MPR-446	128th Ave and Willow Place	21-Apr-15	0.45	<1	2	10	<1	0.4
MPR-446	128th Ave and Willow Place	28-Apr-15	0.12	<1	2	10	<1	0.39
MPR-446	128th Ave and Willow Place	5-May-15	0.07	<1	2	10	<1	0.39
MPR-446	128th Ave and Willow Place	12-May-15	0.06	<1	<2	11	<1	0.43
MPR-446	128th Ave and Willow Place	19-May-15	0.94	<1	<2	12	<1	0.27
MPR-446	128th Ave and Willow Place	26-May-15	0.68	<1	<2	12	<1	0.37
MPR-446	128th Ave and Willow Place	2-Jun-15	0.18	<1	<2	13	<1	0.44
MPR-446	128th Ave and Willow Place	9-Jun-15	0.38	<1	<2	14	<1	0.38
MPR-446	128th Ave and Willow Place	16-Jun-15	0.2	<1	<2	15	<1	0.36
MPR-446	128th Ave and Willow Place	23-Jun-15	0.15	<1	<2	15	<1	0.34
MPR-446	128th Ave and Willow Place	30-Jun-15	0.08	<1	<2	16	<1	0.31
MPR-446	128th Ave and Willow Place	7-Jul-15	0.25	<1	<2	17	<1	0.3
MPR-446	128th Ave and Willow Place	14-Jul-15	0.09	<1	<2	17	<1	0.25
MPR-446	128th Ave and Willow Place	21-Jul-15	0.09	<1	<2	17	<1	0.26
MPR-446	128th Ave and Willow Place	28-Jul-15	0.02	<1	4	17	<1	0.3
MPR-446	128th Ave and Willow Place	4-Aug-15	2	<1	20	18	<1	0.3
MPR-446	128th Ave and Willow Place	11-Aug-15	0.75	<1	<2	17	<1	0.23
MPR-446	128th Ave and Willow Place	18-Aug-15	1.3	<1	<2	17	<1	0.27
MPR-446	128th Ave and Willow Place	25-Aug-15	0.46	<1	4	17	<1	0.3
MPR-446	128th Ave and Willow Place	1-Sep-15	0.49	<1	<2	16	<1	0.25
MPR-446	128th Ave and Willow Place	8-Sep-15	0.2	<1	2	15	<1	0.29
MPR-446	128th Ave and Willow Place	15-Sep-15	0.81	<1	<2	16	<1	0.53
MPR-446	128th Ave and Willow Place	22-Sep-15	0.29	<1	<2	15	<1	0.46
MPR-446	128th Ave and Willow Place	29-Sep-15	0.18	<1	<2	14	<1	0.48

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-446	128th Ave and Willow Place	6-Oct-15	0.37	<1	<2	14	<1	0.44
MPR-446	128th Ave and Willow Place	13-Oct-15	0.69	<1	<2	13	<1	0.43
MPR-446	128th Ave and Willow Place	20-Oct-15	1.2	<1	<2	13	<1	0.33
MPR-446	128th Ave and Willow Place	27-Oct-15	1.4	<1	<2	13	<1	5
MPR-446	128th Ave and Willow Place	3-Nov-15	0.71	<1	4	12	<1	0.31
MPR-446	128th Ave and Willow Place	10-Nov-15	0.56	<1	<2	11	<1	0.33
MPR-446	128th Ave and Willow Place	17-Nov-15	0.6	<1	<2	10	<1	0.44
MPR-446	128th Ave and Willow Place	24-Nov-15	0.72	<1	<2	9	<1	0.42
MPR-446	128th Ave and Willow Place	1-Dec-15	0.87	<1	<2	8	<1	0.42
MPR-446	128th Ave and Willow Place	8-Dec-15	1	<1	<2	8	<1	0.45
MPR-446	128th Ave and Willow Place	15-Dec-15	0.94	<1	<2	8	<1	0.48
MPR-446	128th Ave and Willow Place	22-Dec-15	1.5	<1	NA	7	<1	0.51
MPR-446	128th Ave and Willow Place	29-Dec-15	0.91	<1	NA	6	<1	0.38
MPR-447	117 Ave. @ 210 St.	6-Jan-15	0.78	<1	<2	6	<1	0.54
MPR-447	117 Ave. @ 210 St.	13-Jan-15	0.72	<1	<2	6	<1	0.38
MPR-447	117 Ave. @ 210 St.	20-Jan-15	0.72	<1	<2	7	<1	0.35
MPR-447	117 Ave. @ 210 St.	27-Jan-15	1.2	<1	<2	7	<1	0.77
MPR-447	117 Ave. @ 210 St.	3-Feb-15	0.89	<1	<2	7	<1	0.55
MPR-447	117 Ave. @ 210 St.	10-Feb-15	0.9	<1	<2	7	<1	0.4
MPR-447	117 Ave. @ 210 St.	17-Feb-15	0.82	<1	<2	8	<1	0.39
MPR-447	117 Ave. @ 210 St.	24-Feb-15	0.97	<1	<2	8	<1	0.67
MPR-447	117 Ave. @ 210 St.	3-Mar-15	0.74	<1	<2	7	<1	0.34
MPR-447	117 Ave. @ 210 St.	10-Mar-15	1	<1	<2	8	<1	0.39
MPR-447	117 Ave. @ 210 St.	17-Mar-15	0.85	<1	<2	8	<1	0.4
MPR-447	117 Ave. @ 210 St.	24-Mar-15	0.77	<1	2	9	<1	0.47
MPR-447	117 Ave. @ 210 St.	31-Mar-15	0.83	<1	<2	9	<1	0.51
MPR-447	117 Ave. @ 210 St.	7-Apr-15	0.94	<1	<2	9	<1	0.38
MPR-447	117 Ave. @ 210 St.	14-Apr-15	0.82	<1	<2	9	<1	0.68
MPR-447	117 Ave. @ 210 St.	21-Apr-15	0.71	<1	<2	10	<1	0.46
MPR-447	117 Ave. @ 210 St.	28-Apr-15	0.81	<1	<2	10	<1	0.52
MPR-447	117 Ave. @ 210 St.	5-May-15	0.78	<1	<2	11	<1	0.27

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-447	117 Ave. @ 210 St.	12-May-15	0.98	<1	2	10	<1	0.49
MPR-447	117 Ave. @ 210 St.	19-May-15	1	<1	<2	11	<1	1.5
MPR-447	117 Ave. @ 210 St.	26-May-15	0.72	<1	<2	13	<1	0.29
MPR-447	117 Ave. @ 210 St.	2-Jun-15	0.85	<1	<2	14	<1	0.27
MPR-447	117 Ave. @ 210 St.	9-Jun-15	0.94	<1	<2	13	<1	0.52
MPR-447	117 Ave. @ 210 St.	16-Jun-15	0.88	<1	<2	14	<1	0.27
MPR-447	117 Ave. @ 210 St.	23-Jun-15	0.79	<1	<2	14	<1	0.22
MPR-447	117 Ave. @ 210 St.	30-Jun-15	0.95	<1	<2	15	<1	0.23
MPR-447	117 Ave. @ 210 St.	7-Jul-15	0.89	<1	<2	17	<1	0.22
MPR-447	117 Ave. @ 210 St.	14-Jul-15	0.78	<1	<2	17	<1	0.27
MPR-447	117 Ave. @ 210 St.	21-Jul-15	0.66	<1	2	18	<1	0.21
MPR-447	117 Ave. @ 210 St.	28-Jul-15	0.77	<1	<2	19	<1	0.24
MPR-447	117 Ave. @ 210 St.	4-Aug-15	0.74	<1	<2	19	<1	0.25
MPR-447	117 Ave. @ 210 St.	11-Aug-15	0.73	<1	<2	19	<1	0.26
MPR-447	117 Ave. @ 210 St.	18-Aug-15	0.74	<1	<2	19	<1	0.28
MPR-447	117 Ave. @ 210 St.	25-Aug-15	0.67	<1	<2	18	<1	0.32
MPR-447	117 Ave. @ 210 St.	1-Sep-15	0.62	<1	<2	18	<1	0.62
MPR-447	117 Ave. @ 210 St.	8-Sep-15	0.79	<1	<2	17	<1	0.66
MPR-447	117 Ave. @ 210 St.	15-Sep-15	0.6	<1	<2	16	<1	0.82
MPR-447	117 Ave. @ 210 St.	22-Sep-15	0.4	<1	<2	15	<1	0.45
MPR-447	117 Ave. @ 210 St.	29-Sep-15	0.62	<1	<2	15	<1	0.37
MPR-447	117 Ave. @ 210 St.	6-Oct-15	0.32	<1	<2	15	<1	0.35
MPR-447	117 Ave. @ 210 St.	13-Oct-15	0.46	<1	4	15	<1	0.36
MPR-447	117 Ave. @ 210 St.	20-Oct-15	0.48	<1	12	15	<1	0.3
MPR-447	117 Ave. @ 210 St.	27-Oct-15	0.38	<1	<2	14	<1	0.23
MPR-447	117 Ave. @ 210 St.	3-Nov-15	0.41	<1	<2	13	<1	0.39
MPR-447	117 Ave. @ 210 St.	10-Nov-15	0.29	<1	<2	12	<1	0.57
MPR-447	117 Ave. @ 210 St.	17-Nov-15	0.43	<1	<2	11	<1	0.47
MPR-447	117 Ave. @ 210 St.	24-Nov-15	0.49	<1	<2	9	<1	0.49
MPR-447	117 Ave. @ 210 St.	1-Dec-15	0.24	<1	<2	8	<1	0.39
MPR-447	117 Ave. @ 210 St.	8-Dec-15	0.22	<1	<2	8	<1	0.45

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-447	117 Ave. @ 210 St.	15-Dec-15	0.35	<1	<2	8	<1	0.46
MPR-447	117 Ave. @ 210 St.	22-Dec-15	0.33	<1	NA	8	<1	0.33
MPR-447	117 Ave. @ 210 St.	29-Dec-15	0.3	<1	NA	7	<1	0.38
MPR-448	248th St. & McClure	6-Jan-15	0.53	<1	<2	6	<1	0.43
MPR-448	248th St. & McClure	13-Jan-15	0.7	<1	<2	6	<1	0.4
MPR-448	248th St. & McClure	20-Jan-15	0.59	<1	<2	7	<1	0.39
MPR-448	248th St. & McClure	27-Jan-15	0.69	<1	2	7	<1	0.59
MPR-448	248th St. & McClure	3-Feb-15	0.96	<1	2	7	<1	0.49
MPR-448	248th St. & McClure	10-Feb-15	0.9	<1	<2	8	<1	0.37
MPR-448	248th St. & McClure	17-Feb-15	0.76	<1	<2	8	<1	0.48
MPR-448	248th St. & McClure	24-Feb-15	0.76	<1	<2	8	<1	0.36
MPR-448	248th St. & McClure	3-Mar-15	0.55	<1	<2	8	<1	0.5
MPR-448	248th St. & McClure	10-Mar-15	0.86	<1	<2	8	<1	0.34
MPR-448	248th St. & McClure	17-Mar-15	0.81	<1	<2	9	<1	0.34
MPR-448	248th St. & McClure	24-Mar-15	0.76	<1	<2	9	<1	0.36
MPR-448	248th St. & McClure	31-Mar-15	0.74	<1	<2	9	<1	0.73
MPR-448	248th St. & McClure	7-Apr-15	0.46	<1	<2	10	<1	0.32
MPR-448	248th St. & McClure	14-Apr-15	0.96	<1	<2	10	<1	0.95
MPR-448	248th St. & McClure	21-Apr-15	0.76	<1	<2	11	<1	0.37
MPR-448	248th St. & McClure	28-Apr-15	0.76	<1	<2	11	<1	0.41
MPR-448	248th St. & McClure	5-May-15	0.43	<1	<2	11	<1	0.28
MPR-448	248th St. & McClure	12-May-15	0.7	<1	<2	13	<1	0.3
MPR-448	248th St. & McClure	19-May-15	0.74	<1	<2	13	<1	0.32
MPR-448	248th St. & McClure	26-May-15	0.94	<1	<2	15	<1	0.33
MPR-448	248th St. & McClure	2-Jun-15	0.93	<1	<2	15	<1	0.3
MPR-448	248th St. & McClure	9-Jun-15	0.92	<1	<2	15	<1	1.1
MPR-448	248th St. & McClure	16-Jun-15	0.49	<1	4	16	<1	0.53
MPR-448	248th St. & McClure	23-Jun-15	0.79	<1	4	16	<1	0.27
MPR-448	248th St. & McClure	30-Jun-15	0.25	<1	<2	18	<1	0.29
MPR-448	248th St. & McClure	7-Jul-15	0.41	<1	<2	19	<1	0.21
MPR-448	248th St. & McClure	14-Jul-15	0.44	<1	<2	19	<1	0.29

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-448	248th St. & McClure	21-Jul-15	0.49	<1	<2	20	<1	0.3
MPR-448	248th St. & McClure	28-Jul-15	0.33	<1	<2	20	<1	0.24
MPR-448	248th St. & McClure	4-Aug-15	0.58	<1	<2	21	<1	0.29
MPR-448	248th St. & McClure	11-Aug-15	0.39	<1	<2	21	<1	0.25
MPR-448	248th St. & McClure	18-Aug-15	0.29	<1	<2	20	<1	0.25
MPR-448	248th St. & McClure	25-Aug-15	0.4	<1	<2	19	<1	0.26
MPR-448	248th St. & McClure	1-Sep-15	0.13	<1	<2	19	<1	0.84
MPR-448	248th St. & McClure	8-Sep-15	0.11	<1	<2	18	<1	0.44
MPR-448	248th St. & McClure	15-Sep-15	0.16	<1	<2	17	<1	0.58
MPR-448	248th St. & McClure	22-Sep-15	0.39	<1	<2	17	<1	0.43
MPR-448	248th St. & McClure	29-Sep-15	0.13	<1	<2	14	<1	0.38
MPR-448	248th St. & McClure	6-Oct-15	0.39	<1	<2	16	<1	0.39
MPR-448	248th St. & McClure	13-Oct-15	0.24	<1	<2	15	<1	0.49
MPR-448	248th St. & McClure	20-Oct-15	0.27	<1	<2	15	<1	0.32
MPR-448	248th St. & McClure	27-Oct-15	0.27	<1	<2	14	<1	0.31
MPR-448	248th St. & McClure	3-Nov-15	0.12	<1	2	14	<1	0.34
MPR-448	248th St. & McClure	10-Nov-15	0.42	<1	<2	12	<1	0.6
MPR-448	248th St. & McClure	17-Nov-15	0.58	<1	<2	11	<1	0.52
MPR-448	248th St. & McClure	24-Nov-15	0.33	<1	<2	10	<1	0.45
MPR-448	248th St. & McClure	1-Dec-15	0.31	<1	<2	8	<1	0.38
MPR-448	248th St. & McClure	8-Dec-15	0.31	<1	<2	9	<1	0.41
MPR-448	248th St. & McClure	15-Dec-15	0.63	<1	<2	8	<1	0.47
MPR-448	248th St. & McClure	22-Dec-15	0.65	<1	NA	7	<1	0.4
MPR-448	248th St. & McClure	29-Dec-15	0.52	<1	NA	7	<1	0.33
MPR-449	Meadow Brook North of Douglas	6-Jan-15	0.03	<1	4	8	<1	0.33
MPR-449	Meadow Brook North of Douglas	13-Jan-15	0.17	<1	<2	8	<1	0.31
MPR-449	Meadow Brook North of Douglas	20-Jan-15	0.14	<1	<2	8	<1	0.3
MPR-449	Meadow Brook North of Douglas	27-Jan-15	0.33	<1	<2	8	<1	0.68
MPR-449	Meadow Brook North of Douglas	3-Feb-15	0.74	<1	<2	8	<1	0.91
MPR-449	Meadow Brook North of Douglas	10-Feb-15	0.55	<1	<2	8	<1	0.32
MPR-449	Meadow Brook North of Douglas	17-Feb-15	0.46	<1	<2	9	<1	0.33

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-449	Meadow Brook North of Douglas	24-Feb-15	0.44	<1	<2	9	<1	0.3
MPR-449	Meadow Brook North of Douglas	3-Mar-15	0.41	<1	2	8	<1	0.39
MPR-449	Meadow Brook North of Douglas	10-Mar-15	0.56	<1	<2	9	<1	0.33
MPR-449	Meadow Brook North of Douglas	17-Mar-15	0.38	<1	<2	9	<1	0.31
MPR-449	Meadow Brook North of Douglas	24-Mar-15	0.29	<1	<2	10	<1	0.33
MPR-449	Meadow Brook North of Douglas	31-Mar-15	0.34	<1	<2	10	<1	0.4
MPR-449	Meadow Brook North of Douglas	7-Apr-15	0.5	<1	<2	10	<1	0.33
MPR-449	Meadow Brook North of Douglas	14-Apr-15	0.39	<1	<2	11	<1	0.43
MPR-449	Meadow Brook North of Douglas	21-Apr-15	0.4	<1	<2	11	<1	0.52
MPR-449	Meadow Brook North of Douglas	28-Apr-15	0.38	<1	<2	11	<1	0.33
MPR-449	Meadow Brook North of Douglas	5-May-15	0.44	<1	2	12	<1	0.25
MPR-449	Meadow Brook North of Douglas	12-May-15	0.31	<1	<2	11	<1	0.53
MPR-449	Meadow Brook North of Douglas	19-May-15	0.57	<1	<2	14	<1	0.41
MPR-449	Meadow Brook North of Douglas	26-May-15	0.22	<1	<2	15	<1	0.29
MPR-449	Meadow Brook North of Douglas	2-Jun-15	0.25	<1	<2	16	<1	0.29
MPR-449	Meadow Brook North of Douglas	9-Jun-15	0.67	<1	24	16	<1	2.8
MPR-449	Meadow Brook North of Douglas	16-Jun-15	0.55	<1	<2	16	<1	0.26
MPR-449	Meadow Brook North of Douglas	23-Jun-15	0.19	<1	<2	18	<1	0.24
MPR-449	Meadow Brook North of Douglas	30-Jun-15	0.23	<1	2	19	<1	0.27
MPR-449	Meadow Brook North of Douglas	7-Jul-15	0.19	<1	<2	20	<1	0.21
MPR-449	Meadow Brook North of Douglas	14-Jul-15	0.38	<1	2	19	<1	0.22
MPR-449	Meadow Brook North of Douglas	21-Jul-15	0.01	<1	2	20	<1	0.24
MPR-449	Meadow Brook North of Douglas	28-Jul-15	0.02	<1	2	21	<1	0.23
MPR-449	Meadow Brook North of Douglas	4-Aug-15	0.32	<1	2	21	<1	0.2
MPR-449	Meadow Brook North of Douglas	11-Aug-15	0.34	<1	<2	21	<1	0.26
MPR-449	Meadow Brook North of Douglas	18-Aug-15	0.2	<1	2	21	<1	0.25
MPR-449	Meadow Brook North of Douglas	25-Aug-15	0.27	<1	<2	20	<1	0.26
MPR-449	Meadow Brook North of Douglas	1-Sep-15	<0.01	<1	50	20	<1	0.25
MPR-449	Meadow Brook North of Douglas	8-Sep-15	0.07	<1	20	20	<1	0.52
MPR-449	Meadow Brook North of Douglas	15-Sep-15	0.07	<1	56	18	<1	0.48
MPR-449	Meadow Brook North of Douglas	22-Sep-15	<0.01	<1	32	18	<1	0.33

Sample Name	Sample Reported Name	Sampled Date	Cl ₂ Free mg/L	E. coli MF/100mL	HPC CFU/mL	Temp °C	Total Coliform MF/100 mL	Turb. NTU
MPR-449	Meadow Brook North of Douglas	29-Sep-15	0.09	<1	12	17	<1	0.35
MPR-449	Meadow Brook North of Douglas	6-Oct-15	<0.01	<1	54	17	<1	0.52
MPR-449	Meadow Brook North of Douglas	13-Oct-15	0.02	<1	60	17	<1	0.37
MPR-449	Meadow Brook North of Douglas	20-Oct-15	0.04	<1	16	16	<1	0.29
MPR-449	Meadow Brook North of Douglas	27-Oct-15	0.06	<1	6	16	<1	0.23
MPR-449	Meadow Brook North of Douglas	3-Nov-15	0.09	<1	48	15	<1	0.3
MPR-449	Meadow Brook North of Douglas	10-Nov-15	<0.01	<1	60	13	<1	0.54
MPR-449	Meadow Brook North of Douglas	17-Nov-15	0.08	<1	28	12	<1	0.37
MPR-449	Meadow Brook North of Douglas	24-Nov-15	0.08	<1	12	11	<1	0.39
MPR-449	Meadow Brook North of Douglas	1-Dec-15	0.03	<1	2	9	<1	0.34
MPR-449	Meadow Brook North of Douglas	8-Dec-15	0.09	<1	10	10	<1	0.36
MPR-449	Meadow Brook North of Douglas	15-Dec-15	0.06	<1	2	9	<1	0.36
MPR-449	Meadow Brook North of Douglas	22-Dec-15	0.05	<1	NA	9	<1	0.37
MPR-449	Meadow Brook North of Douglas	29-Dec-15	0.09	<1	NA	8	<1	0.3

Appendix H: Preventing Water-Borne Infections for People with Weakened Immune Systems



HealthLinkBC



Number 56
June 2013

Preventing Water-Borne Infections For People with Weakened Immune Systems

Who is at higher risk from water-borne infections?

People with very weak immune systems who are at higher risk of certain water-borne diseases include those with:

- HIV infection who have a CD4+ count of less than 100 cells/mm³;
- lymphoma or leukemia (hematological malignancies) who are being actively treated or have been in remission and off treatment for less than 1 year;
- hematopoietic stem cell transplant recipients; and
- people born with diseases that severely affect their immune systems.

Some people with weakened immune systems, such as those with certain types of cancers or taking certain medications, may not be at higher risk of severe water-borne diseases. These people do not need to take extra precautions with their drinking water.

Ask your health care provider how weak your immune system is, and whether you need to take extra precautions.

How can drinking water become contaminated?

Drinking water can contain different organisms, including bacteria, viruses and parasites, which can cause disease. These organisms can exist in the source water such as lake water and survive through treatment, or they can enter the water supply in the distribution system. Well water can be contaminated if the well is not built properly or if it draws on water from the surface of the ground, such as shallow wells or wells drilled in fractured rock. Surface water, such as

rivers, lakes and streams, can also contain disease-causing organisms from animal feces. If you have a weak immune system, you should not drink water from surface sources or wells potentially contaminated by surface water such as dug wells, unless the water has been treated to remove or inactivate at least 99.9 per cent of parasites (protozoa), 99.99 per cent of viruses and all harmful bacteria.

Most community water systems in B.C. have effective treatment, such as disinfection or chlorination, against bacteria and viruses. However, in many cases, treatment may not provide a 99.9 per cent reduction in infectious parasites. Some water systems and many private supplies have no treatment at all. If the water you drink has not been disinfected, please refer to HealthLinkBC File #49b [How to Disinfect Drinking Water](#).

How can I further treat disinfected water?

People with very weak immune systems need to take extra precautions with their drinking water.

Boiling: If your water supply has already been disinfected, bring the water to a full boil to inactivate any *Cryptosporidium* parasites – a major concern for people with weakened immune systems. For more information, see HealthLinkBC File #48 [Cryptosporidium Infection](#).

If the water has not already been disinfected, bring the water to a full boil for at least 1 minute. This will kill or inactivate bacteria, viruses and parasites. At elevations over 2,000 meters (6,500 feet), boil water for at least 2 minutes to disinfect it.

Do not drink or use tap water to brush your teeth, rinse your mouth, mix drinks or make ice cubes without boiling it first.

Please note that boiling water will get rid of viruses, bacteria and parasites but not chemicals which may be found in the water.

Reverse Osmosis (RO): RO is effective against all disease-causing organisms and many chemical contaminants. Unless it has a high capacity, it will only produce small amounts of water and waste a large volume. Speak to a water treatment specialist to see if this is the best option for you.

Ultraviolet (UV) Treatment: UV light will kill many disease-causing organisms, and is effective against almost all parasites. UV will not kill some bacterial spores and some viruses, so it should not be used unless the water supply is at least disinfected. UV treatment units should meet NSF Standard #55A.

Filters: Filters do not remove bacteria and viruses and should not be used unless the water supply is disinfected first.

If you plan to install a drinking water filter in your home, you will need a system labeled as Absolute 1 micron or smaller, and labeled as meeting ANSI/NSF International Standard #53 for removal of parasites.

Jug-type filters, such as a Brita®, which sit in a jug and allow water to trickle through, and some tap-mounted and built-in devices are not an appropriate solution. The jug filter models are not effective in removing many disease-causing organisms.

Can I drink bottled water?

Bottled water in B.C. may or may not have been treated. If you have a very weak immune system, check with the bottling company to find out what treatment, if any, it has had. Bottled water that has been properly treated using one of the methods list above can be used for drinking, brushing teeth,

making ice cubes and for recipes where water is used but not boiled, such as cold soups.

For More Information

For more information, including the level of treatment in your local water system, please contact:

- your drinking water purveyor or supplier; or
- the local environmental health officer or drinking water officer; or
- visit www.health.gov.bc.ca/protect/dw_hia_contacts.html.

Please also see the following HealthLinkBC Files:

- [#49a Water-borne Diseases in British Columbia](#)
- [#49b How to Disinfect Drinking Water](#)
- [#69b Formula Feeding Your Baby: Safely Preparing and Storing Formula](#)

For more HealthLinkBC File topics, visit www.HealthLinkBC.ca/healthfiles or your local public health unit.

Click on www.HealthLinkBC.ca or call 8-1-1 for non-emergency health information and services in B.C.

For deaf and hearing-impaired assistance, call 7-1-1 in B.C.

Translation services are available in more than 130 languages on request.



ImmunizeBC



BC Centre for Disease Control
Prevention, Control and Health Promotion Division

City of Maple Ridge

TO:	Her Worship Mayor Nicole Read and Members of Council	MEETING DATE: June 20, 2016
FROM:	Chief Administrative Officer	MEETING: Committee of the Whole
SUBJECT:	Disbursements for the month ended May 31, 2016	

EXECUTIVE SUMMARY:

The disbursements summary for the past period is attached for information. All voucher payments are approved by the Mayor or Acting Mayor and a Finance Manager. Council authorizes the disbursements listing through Council resolution. Expenditure details are available by request through the Finance Department.

RECOMMENDATION:

That the disbursements as listed below for the month ended May 31, 2016 be received for information only.

GENERAL	\$ 8,396,488.
PAYROLL	\$ 1,795,001.
PURCHASE CARD	<u>\$ 78,523.</u>
	<u>\$ 10,270,012</u>

DISCUSSION:

a) Background Context:

The adoption of the Five Year Consolidated Financial Plan has appropriated funds and provided authorization for expenditures to deliver municipal services.

The disbursements are for expenditures that are provided in the financial plan.

b) Community Communications:

The citizens of Maple Ridge are informed on a routine monthly basis of financial disbursements.

c) **Business Plan / Financial Implications:**

Highlights of larger items included in Financial Plan or Council Resolution

• AC Paving Company Ltd – Selkirk Avenue road improvements	\$	197,805
• BA Blacktop – 240 Street road improvements	\$	297,204
• Brawn, Karras & Sanderson – Property purchase	\$	1,884,314
• Fraser Valley Regional Library – 2nd quarter member assessment	\$	664,787
• G.V. Water District – Water consumption Feb 3 – Mar 1/16	\$	439,953
• King Hoe Excavating Ltd – 128 Ave road & drainage improvements	\$	696,885
• Receiver General For Canada – Two Payroll remittances	\$	828,935
• Ridge Meadows Recycling Society – Monthly contract for recycling	\$	189,713
• Timbro Contracting – Rock Ridge Reservoir – Tank 2	\$	193,881

d) **Policy Implications:**

Corporate governance practice includes reporting the disbursements to Council monthly.

CONCLUSIONS:

The disbursements for the month ended May 31, 2016 have been reviewed and are in order.

"Original signed by Andy Dhah"

Prepared by: **Andy Dhah**
Accounting Clerk II

"Original signed by Trevor Thompson"

Approved by: **Trevor Thompson, BBA, CPA, CGA**
Manager of Financial Planning

"Original signed by Paul Gill"

Approved by: **Paul Gill, BBA, CPA, CGA**
GM – Corporate & Financial Services

"Original signed by E.C. Swabey"

Concurrence: **E.C. Swabey**
Chief Administrative Officer

CITY OF MAPLE RIDGE
MONTHLY DISBURSEMENTS - MAY 2016

<u>VENDOR NAME</u>	<u>DESCRIPTION OF PAYMENT</u>	<u>AMOUNT</u>
0946235 BC Ltd	Roadside mowing	27,641
AC Paving Company Ltd	Selkirk Avenue road improvements (225 street - 226 street)	197,805
Alouette River Management Society	2016 service grant	20,000
BA Blacktop	240 Street road improvements (102 Ave - 104 Ave)	259,387
	David Laird additional work for subdivision @ 240 Street & 104 Avenue	37,817
BC Hydro	Electricity	89,501
BC SPCA	Contract payment	28,558
Big Trucks CA Inc	Erosion and sediment control refund	85,528
Brawn Karras & Sanderson	Purchase of property (27610 Dewdney Trunk Road)	1,884,314
CUPE Local 622	Dues - pay periods 16/09 & 16/10	26,643
Chevron Canada Ltd	Gasoline & diesel fuel	43,899
D Litchfield & Co Ltd	Removal and disposal of home located at 12160 232 Street	19,935
Dell Canada Inc	Hyperion development server (PowerEdge M630 Blade Server)	14,093
	Ten replacement monitors & monitor soundbars	2,713
Dougness Holdings Ltd	Flush & CCTV works yard	25,085
Epic Homes (2012) J.V.	Security refund	18,546
Fitness Edge	Fitness classes & programs	15,456
Fraser Valley Regional Library	2nd quarter member assessment	664,787
Golden Ears Winter Club	Rentals for April	14,419
	Summer operating grant instalment	5,000
Gottraffic Management Inc	Traffic control	19,419
Greater Vancouver Water District	Water consumption Feb 3 - Mar 1/16	50,370
Guillevin International Inc	Firefighter equipment	439,953
	Firefighter protective wear (turn out gear)	6,086
	Operations electrical supplies	70,324
	Pump station maintenance	5,692
	Janitorial services & supplies:	420
	City Hall	82,522
	Firehalls	3,427
	Library	4,552
	Operations	4,284
	Randy Herman Building	4,070
	RCMP	4,767
	South Bonson Community Centre	4,069
		2,463
Horizon Landscape Contractors	Grass cutting	27,632
IDRS	Tax notice mailing	21,630
International Machinery Sales	Security refund	23,310
Kanaka Education And Environmental Partnership	2016 service grant	34,531
King Hoe Excavating Ltd	128 Avenue road and drainage improvements (210 Street to 216 Street)	20,000
Lafarge Canada Inc	Roadworks material	696,885
Manulife Financial	Employer/employee remittance	76,003
Maple Ridge & PM Arts Council	Arts Centre contract payment	151,154
	Program revenue Apr	53,102
		8,105
Maridge Properties Ltd	Security refund	61,207
McEachern Harris & Watkins	Security refund	176,674
Medical Services Plan	Employee medical & health premiums	29,400
Meridian Acquisitions Ltd	Security refund	40,225
Municipal Pension Plan BC	Employer/employee remittance	19,366
Nustadia Recreation Inc	Subsidized ice purchased by P&LS on behalf of user groups	462,579
Open Storage Solutions Inc	Maintenance contract	106,456
Raven Rescue	Swift water & rescue safety training	18,312
Re/Max Lifestyles Realty Ltd	Purchase of property (27610 Dewdney Trunk Road) - Deposit	30,150
Receiver General For Canada	Employer/Employee remittance PP16/09, PP16/10	100,000
RG Arenas (Maple Ridge) Ltd	Ice Rental for April	828,935
	Curling rink operating expenses Mar 1 - Mar 31/16	55,060
		5,725
Ridge Meadows Recycling Society	Monthly contract for recycling	60,785
	Weekly recycling	189,713
	Litter pickup contract	376
	Recycling station pickup	1,997
	Toilet rebate program	319
		94
Timbro Contracting	Silver Valley Reservoir - Rock Ridge Reservoir - Tank 2	192,499
Tundra Plumbing Ltd	Septic systems repairs - Davidson Pool - Caretaker house	193,881
	Mechanical room repairs including pool shutdown @ Leisure Center	36,988
	New fan motor & capacitor installed @ 12111 222 street	1,693
VFA Canada Corporation	Facility condition & structural seismic assessments	710
Wallmark Homes 236 Ltd	Tax refund	39,391
Warrington PCI Management	Advance for Tower common costs	16,538
	Revised Reimbursement for Mar	16,177
		60,000
		6,131

<u>VENDOR NAME</u>	<u>DESCRIPTION OF PAYMENT</u>	<u>AMOUNT</u>
Xylem Canada Company	Pump replacement @ 20975 Golf Lane (Golf Pump Station)	17,609
Young, Anderson - Barristers	Professional fees	33,499
Disbursements In Excess \$15,000		7,614,930
Disbursements Under \$15,000		781,558
Total Payee Disbursements		8,396,488
Payroll	PP16/10 & PP16/11	1,795,001
Purchase Cards - Payment		78,523
Total Disbursements May 2016		10,270,012

TO: Her Worship Mayor Nicole Read
and Members of Council
MEETING DATE: June 20, 2016
FROM: Chief Administrative Officer
FILE NO:
MEETING: COW
SUBJECT: 2015 Annual Report and 2015 Statement of Financial Information

EXECUTIVE SUMMARY:

The 2015 Annual Report has been prepared in accordance with Section 98 of the Community Charter and Municipal Council is required to formally receive this report before June 30. A major component of the report is the 2015 Audited Consolidated Financial Statements. These statements were presented to Council at the April 18 Audit & Finance Committee meeting and Council passed a resolution formally accepting the statements at the April 26 Council meeting. The 2015 Annual Report will be submitted to the Government Finance Officers Association for consideration for the Canadian Award for Financial Reporting, an award the City has received for the past twenty five years.

Under the Financial Information Act, the City is required to file a Statement of Financial Information with the Province of British Columbia prior to June 30 each year. This report must be approved by Council and the Corporate Financial Officer.

RECOMMENDATION:

That the 2015 Annual Report be received as required by the Community Charter.

That the Statement of Financial Information be approved as required by the Financial Information Act.

DISCUSSION:

The 2015 Annual Report has been prepared in accordance with Section 98 of the Community Charter. As required in the Charter, the report contains our Audited Consolidated Financial Statements; a Progress Report detailing municipal objectives and progress toward their achievement; a Development Cost Charges report showing collections and expenditures for each component; information about the services provided by Municipal Departments; and lists the Permissive Tax Exemptions awarded for the 2015 fiscal year. The report was made available for public inspection on May 31 and notice posted in the local newspaper as required by Section 94 of the Charter indicating that the report is being presented at the Council meeting of June 28.

The City of Maple Ridge has been a recipient of the Canadian Award for Financial Reporting for the past twenty five years. This award is presented by the Government Finance Officers Association (GFOA) to recognize Municipalities that publish high quality financial reports that are easily readable, efficiently organized and clearly communicate the government's financial picture. The 2015 Annual Report will be submitted to the GFOA for consideration for this year's award.

In addition to the Annual Report required by the Community Charter, the City of Maple Ridge is required to publish an annual Statement of Financial Information (SOFI) under the Financial Information Act. This report must be approved by Council and the Corporate Financial Officer, and filed with the Province of British Columbia prior to June 30, 2016.

The SOFI is attached for your review and approval. The package consists of:

- A completed checklist
- A statement of assets and liabilities
- An operational statement
- A schedule of debt
- A schedule of guarantee and indemnity agreements
- A schedule of remuneration and expenses
- A schedule of disbursements to suppliers of goods or services
- A statement of cash flow
- A statement of change in net financial assets
- Notes to the financial statements
- A statement of change in equity in capital assets
- A statement of severance agreements
- A management report
- A statement of approval of the financial information submitted

Citizen/Customer Implications:

The Annual Report and the SOFI provide additional information to the residents of Maple Ridge and the general public, contributing to Council's commitment to transparency.

CONCLUSIONS:

Prior to June 30 of each year council is required to receive the City's Annual Report in accordance with Section 98 of the Community Charter and to approve the Statement of Financial Information in accordance with the Financial Information Act. It should be noted that a detailed presentation on our 2015 Audited Consolidated Financial Statements was provided at the April 18 Audit & Finance meeting and Council passed a resolution formally accepting the statements at the April 26 Council meeting.

The Statement of Financial Information is attached and the Annual Report is available for viewing on the City of Maple Ridge website.

"Original signed by Catherine Nolan"

Prepared by: Catherine Nolan, CPA, CGA
Manager of Accounting

"Original signed by Paul Gill"

Approved by: Paul Gill, CPA, CGA
GM: Corporate and Financial Services

"Original signed by E.C. Swabey"

Concurrence: **E.C. Swabey**
Chief Administrative Officer



City of Maple Ridge

Statement of Financial Information

2015

Financial Information Act
Financial Information Regulation (FIR), Schedule 1

Statement of Financial Information (SOFI)
Index to FIR Schedule 1 and the Checklist

Page 1: Corporation Information

Ministry Information

General: Section One

- 1(1)(a) Statement of assets and liabilities
- 1(1)(b) Operational statement
- 1(1)(c) Schedule of debts
- 1(1)(d) Schedule of guarantee and indemnity agreements
- 1(1)(e) Schedule of employee remuneration and expenses
- 1(1)(f) Schedule of suppliers of goods and services
- 1(2) [Explanatory information for reference]
- 1(3) Statements prepared on a consolidated basis or for each fund
- 1(4) & (5) Notes to the statements and schedules in section 1(1)

Page 2: Statement of Assets & Liabilities: Section Two

- 2 Balance sheet
- Changes in equity and surplus or deficit

Operational Statement: Section Three

- 3(1) Statement of Income / Statement of Revenue and Expenditures
- Statement of Changes in Financial Position
- 3(2) & (3) Omission of Statement of Changes in Financial Position, with explanation
- 3(4) Requirement for community colleges, school districts and municipalities

Statement of Debts: Section Four

- 4(1)(a) & 4(2) List and detail the schedule of long-term debts
- 4(1)(b) Identify debts covered by sinking funds / reserves
- 4(3) & (4) Omission of schedule, with explanation

Page 3: Schedule of Guarantee and Indemnity Agreements: Section Five

- 5(1) List agreements under the Guarantees and Indemnities Regulation
- 5(2) State the entities and amounts involved
- 5(3) & (4) Omission of schedule, with explanation

Page 3 & 4: Schedule of Remuneration and Expenses: Section Six

- 6(1) [Definitions for reference]
- 6(2)(a) List remuneration / expenses for each elected official, member of board, Cabinet appointees
- 6(2)(b) List each employee with remuneration exceeding \$75,000, plus expenses
- 6(2)(c) Consolidated total for all employees with remuneration of \$75,000 or less
- 6(2)(d) Reconcile difference in total remuneration above with operational statement
- 6(3) Exclude personal information other than as required

Page 3 & 4: Schedule of Remuneration and Expenses: Section Six (continued)

- 6(4) & (5) [Explanatory information for reference]
- 6(6) Report employer portion of EI and CPP as a supplier payment
- 6(7)(a) & (b) Statement of severance agreements
- 6(8) Explain an omission of statement of severance agreements
- 6(9) [Statement of severance agreements to minister – not required unless requested]

Page 4: Schedule of Suppliers of Goods or Services: Section Seven

- 7(1)(a) List suppliers receiving payments exceeding \$25,000
- 7(1)(b) Consolidated total of all payments of \$25,000 or less
- 7(1)(c) Reconcile difference in total above with operational statement
- 7(2)(a) [Explanatory information for reference]
- 7(2)(b) Statement of payments of grants or contributions
- 7(2)(c) [Explanatory information for reference]

Page 5: Inactive Corporations: Section Eight

- 8(1) Ministry to report for inactive corporations
- 8(2)(a) Contents of report – statements and schedules under section 1(1) to extent possible
- 8(2)(b) Contents of report – operational status of corporation

Approval of Financial Information: Section Nine

- 9(1) Approval of SOFI for corporations (other than municipalities)
- 9(2) Approval of SOFI for municipalities
- 9(3) Management report
- 9(4) Management report must explain roles and responsibilities
- 9(5) Signature approval is for all contents of the SOFI

Access to the Financial Information: Section Ten

- 10(1) to (3) [Explanatory information for reference]

Financial Information Regulation, Schedule 1

Checklist – Statement of Financial Information (SOFI)

For the Corporation:

Corporate Name: City of Maple Ridge Contact Name: Catherine Nolan

Fiscal Year End: December 31, 2015 Phone Number: 604-463-5221

Date Submitted: June 30, 2016 E-mail: cnolan@mapleridge.ca

For the Ministry:

Ministry Name: _____ Reviewer: _____

Date Received: _____ Deficiencies: Yes ☐ No ☐

Date Reviewed: _____ Deficiencies Addressed: Yes ☐ No ☐

Approved (SFO): _____ Further Action Taken: _____

Distribution: Legislative Library ☐ Ministry Retention ☐

FIR Schedule 1 Section	Item	Yes	No	N/A	Comments
General					
1 (1) (a)	Statement of assets and liabilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consolidated Statement of Financial Position
1 (1) (b)	Operational statement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consolidated Statement of Operations
1 (1) (c)	Schedule of debts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Continuity Schedule of Debenture Debt
1 (1) (d)	Schedule of guarantee and indemnity agreements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NIL report
1 (1) (e)	Schedule of employee remuneration and expenses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1 (1) (f)	Schedule of suppliers of goods and services	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1 (3)	Statements prepared on a consolidated basis or for each fund, as appropriate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consolidated Statement of Financial Position Consolidated Statement of Operations Consolidated Statement of Cash Flow Consolidated Stmt of Chg in Net Financial Assets
1 (4) 1 (5)	Notes to the financial statements for the statements and schedules listed above	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

FIR Schedule 1 Section	Item	Yes	No	N/A	Comments
Statement of Assets & Liabilities					
2	<ul style="list-style-type: none"> A balance sheet prepared in accordance with GAAP or stated accounting principles / policies, and Show changes in equity and surplus or deficit due to operations 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consolidated Statement of Financial Position Consolidated Statement of Operations
Operational Statement					
3 (1)	Prepared in accordance with GAAP or stated accounting principles / policies and consists of: <ul style="list-style-type: none"> a Statement of Income or Statement of Revenue and Expenditures, and a Statement of Changes in Financial Position 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consolidated Statement of Operations Consolidated Stmt of Chg in Net Financial Assets
3 (2) 3 (3)	<ul style="list-style-type: none"> The Statement of Changes in Financial Position may be omitted if it provides no additional information The omission must be explained in the notes 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3 (4)	Community colleges, school districts, and municipalities must prepare a Statement of Changes in Financial Position for the Capital Fund	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Schedule of Changes in Capital Funds
Schedule of Debts					
4 (1) (a) 4 (2)	List each long-term debt (secured by debentures, mortgages, bonds, etc.), stating the amount outstanding, the interest rate, and the maturity date	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Continuity Schedule of Debenture Debt
4 (1) (b)	Identify debts covered by sinking funds or reserves and amounts in these accounts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Continuity Schedule of Debenture Debt
4 (3) 4 (4)	<ul style="list-style-type: none"> The schedule may be omitted if addressed under section 2 or 5 and it provides no additional information The omission must be explained in a note to the schedule 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

FIR Schedule 1 Section	Item	Yes	No	N/A	Comments
Schedule of Guarantee and Indemnity Agreements					
5 (1)	List financial agreements that required government approval prior to being given (see Guarantees and Indemnities Regulation in FIA Guidance Package)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5 (2)	State the entities involved, and the specific amount involved if known	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5 (3) 5 (4)	<ul style="list-style-type: none"> The schedule may be omitted if addressed under section 2 or 4 and it provides no additional information The omission must be explained in a note to the schedule 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Schedule of Remuneration and Expenses (See Guidance Package for suggested format)					
6 (2) (a)	List separately, by name and position, the total remuneration and the total expenses for each elected official, member of the board of directors, and employee appointed by Cabinet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Information provided in Schedule 1(1)(e)
6 (2) (b)	List alphabetically each employee whose total remuneration exceeds \$75,000 and the total expenses for each [excluding the persons listed under 6 (2) (a)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Information provided in Schedule 1(1)(e)
6 (2) (c)	Include a consolidated total for employees whose remuneration is \$75,000 or less [excluding the persons listed under 6 (2) (a)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Information provided in Schedule 1(1)(e)
6 (2) (d)	Reconcile or explain any difference between total remuneration in this schedule and related information in the operational statement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Information provided in Schedule 1(1)(e)
6 (3)	Exclude personal information other than name, position, function or remuneration and expenses of employees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Information provided in Schedule 1(1)(e)

FIR Schedule 1 Section	Item	Yes	No	N/A	Comments
Schedule of Remuneration and Expenses (See Guidance Package for suggested format)					
6 (6)	Report the employer portion of EI and CPP as a supplier payment to the Receiver General for Canada rather than as employee remuneration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Information provided in Schedule 1(1)(e)
6 (7) (a) 6 (7) (b)	Include a statement of severance agreements providing: <ul style="list-style-type: none"> the number of severance agreements under which payment commenced in the fiscal year being reported on for non-union employees, and the range of equivalent months' compensation for them (see Guidance Package for suggested format)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6 (8)	Provide the reason for omitting a statement of severance agreements in a note to the schedule of remuneration and expenses	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Schedule of Suppliers of Goods or Services (See Guidance Package for suggested format)					
7 (1) (a)	List in alphabetical order all suppliers of goods and services who received aggregate payments exceeding \$25,000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Information provided in Schedule 1(1)(f)
7 (1) (b)	Include a consolidated total of all payments to suppliers who received \$25,000 or less	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Information provided in Schedule 1(1)(f)
7 (1) (c)	Reconcile or explain any difference between the consolidated total and related figures in the operational statement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Information provided in Schedule 1(1)(f)
7 (2) (b)	Include a statement of payments for the purposes of grants or contributions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Information provided in Schedule 1(1)(f)

FIR Schedule 1 Section	Item	Yes	No	N/A	Comments
Inactive Corporations					
8 (1)	The ministry reports for the corporation if the corporation is not operating to the extent required to produce a SOFI	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8 (2) (a)	The ministry's report contains the statements and schedules required under section 1 (1), to the extent possible	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8 (2) (b)	The ministry's report contains a statement of the operational status of the corporation (see Guidance Package regarding what to include)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Approval of Financial Information					
9 (1)	Corporations other than municipalities – the SOFI is signed as approved by the board of directors or the governing body (see Guidance Package for example)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9 (2)	Municipalities – the SOFI is approved by its council and by the officer assigned responsibility for financial administration (see Guidance Package for example)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9 (3)	A management report is included, signed by the head and chief financial officer, or by the municipal officer assigned responsibility for financial administration (see examples in annual report at http://www.gov.bc.ca/cas/popt/)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9 (4)	The management report explains the roles and responsibilities of the board of directors or governing body, audit committee, management, and the auditors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9 (5)	Signature approvals required in section 9 are for each of the statements and schedules of financial information, not just the financial statements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Consolidated Statement of Financial Position
as at December 31, 2015

	2015	2014
Financial Assets		
Cash and cash equivalents (Note 1)	\$ 10,146,294	\$ 14,098,635
Portfolio investments (Note 2)	159,495,941	140,752,034
Accounts receivable (Note 3)	18,923,067	18,910,387
Recoverable local improvements (Note 4)	1,573,096	1,772,386
Other assets (Note 5)	758,106	739,180
Inventory available for resale	<u>4,251,189</u>	<u>374,343</u>
	195,147,693	176,646,965
Liabilities		
Accounts payable and accrued liabilities (Note 6)	17,918,881	17,215,076
Deferred revenue (Note 8)	10,667,777	9,516,042
Restricted revenue (Note 9)	41,686,047	44,195,434
Refundable performance deposits and other	13,850,225	12,006,924
Employee future benefits (Note 10)	4,908,000	5,086,600
Debt (Note 11, Schedule 4)	<u>34,063,639</u>	<u>36,828,024</u>
	123,094,569	124,848,100
Net Financial Assets	<u>72,053,124</u>	<u>51,798,865</u>
Non Financial Assets		
Tangible capital assets (Note 12, Schedule 5)	910,891,167	881,235,810
Undeveloped land bank properties (Note 13)	15,580,027	14,385,160
Supplies inventory	350,805	336,897
Prepaid expenses	<u>948,925</u>	<u>568,450</u>
	927,770,924	896,526,317
Accumulated Surplus (Note 14)	<u>\$ 999,824,048</u>	<u>\$ 948,325,182</u>



Paul Gill, CPA, CGA
General Manager, Corporate & Financial Services



Nicole Read
Mayor, City of Maple Ridge

The accompanying summary of significant accounting policies and notes to the Consolidated Financial Statements are an integral part of this statement.

Consolidated Statement of Operations

For the year ended December 31, 2015

	Actual 2015	Budget 2015 (Note 17)	Actual 2014
Revenue (Segment Report, Note 20)			
Taxes for municipal purposes (Note 15)	\$ 74,042,945	\$ 73,923,852	\$ 71,350,132
User fees and other revenue	41,699,739	39,048,881	38,572,819
Government transfers (Note 16)	3,637,552	5,071,436	2,511,485
Development revenue	12,855,808	38,732,134	8,693,788
Interest and investment income			
Investment Income	2,752,240		
Interest Income	199,075		
Less: Restricted amount	<u>(533,913)</u>		
Interest and investment income	2,417,402	1,868,000	2,424,879
Gaming revenues	1,161,956	1,050,000	1,056,051
Gain (loss) on disposal of assets	(1,668,305)	4,250,000	(1,353,953)
Contributed tangible capital assets (Note 12)	<u>36,744,306</u>	<u>16,500,000</u>	<u>23,232,212</u>
	170,891,403	180,444,303	146,487,413
Expenses (Segment Report, Note 18)			
Protective services	34,452,583	37,146,888	31,988,914
Transportation services	17,651,339	19,582,665	17,323,495
Recreation and cultural	21,562,840	22,572,713	21,183,974
Water utility	15,615,936	17,856,192	15,375,275
Sewer utility	9,837,523	10,130,292	9,341,867
General government	14,357,496	17,329,253	14,517,314
Planning, public health and other	<u>5,914,820</u>	<u>5,730,392</u>	<u>4,917,259</u>
	119,392,537	130,348,395	114,648,098
Annual Surplus	<u>51,498,866</u>	<u>50,095,908</u>	<u>31,839,315</u>
Accumulated Surplus - beginning of year	<u>948,325,182</u>	<u>948,325,182</u>	<u>916,485,867</u>
Accumulated Surplus - end of year (Note 14)	<u>\$ 999,824,048</u>	<u>\$ 998,421,090</u>	<u>\$ 948,325,182</u>

The accompanying summary of significant accounting policies and notes to the Consolidated Financial Statements are an integral part of this statement.

Schedule 4

Continuity Schedule of Debenture Debt

For the Year Ended December 31, 2014

	Date of Issue/Maturity	Bylaw/MFA	Function/Purpose	Interest Rate
Long Term Debts				
	Apr 2005/2027	6246/93	Recreation/Downtown Civic Properties	5.7 %
	Apr 2005/2027	6246/93	General Government/Downtown Office Complex	5.7 %
	Dec 2006/2026	6246/99	General Government/Downtown Office Complex	5.0 %
	Oct 2012/2017	6562/121	General Government/River Road Drainage	2.1 %
	Oct 2012/2027	6560/121	Protective Services/Animal Shelter	2.9 %
	Oct 2012/2037	6559/121	Public Health/Cemetery Expansion	2.9 %
	Oct 2012/2037	6679/121	Public Health/Cemetery Expansion	2.9 %
			Subtotal	
LESS:				
Sinking Funds				
	Dec 2006/2026	6246/99	General Government/Downtown Office Complex	5.0 %
	Oct 2012/2017	6562/121	General Government/River Road Drainage	2.1 %
	Oct 2012/2027	6560/121	Protective Services/Animal Shelter	2.9 %
	Oct 2012/2037	6559/121	Public Health/Cemetery Expansion	2.9 %
	Oct 2012/2037	6679/121	Public Health/Cemetery Expansion	2.9 %
			Subtotal	
Net Amount				

Dec 31, 2014 Balance Outstanding	New Debt Issued During the year	Principal/ Sinking Fund Payments	Sinking Fund Earnings	2015 Balance Outstanding	Interest Paid/ Earned For The Year
\$ 18,691,327	\$ -	\$ 1,210,018	\$ -	\$ 17,481,309	\$ 1,005,056
2,592,065	-	167,791	-	2,424,274	139,369
16,300,000	-	-	-	16,300,000	813,370
2,675,000	-	-	-	2,675,000	54,838
625,000	-	-	-	625,000	18,246
1,520,000	-	-	-	1,520,000	44,080
<u>700,000</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>700,000</u>	<u>20,300</u>
43,103,392	-	1,377,809	-	41,725,583	2,095,259
5,084,059	-	547,382	207,615	5,839,056	207,615
1,017,227	-	493,877	45,411	1,556,515	45,411
64,289	-	31,213	2,870	98,372	2,870
75,174	-	36,498	3,356	115,028	3,356
<u>34,619</u>	<u>-</u>	<u>16,808</u>	<u>1,546</u>	<u>52,973</u>	<u>1,546</u>
6,275,368	-	1,125,778	260,798	7,661,944	260,798
<u>\$ 36,828,024</u>	<u>\$ -</u>	<u>\$ 2,503,587</u>	<u>\$ 260,798</u>	<u>\$ 34,063,639</u>	<u>\$ 1,834,461</u>

**City of Maple Ridge
Financial Information Act**

**Schedule of Guarantee and Indemnity Agreements
for 2015**

"This organization has no guarantees or indemnities under the Guarantees and Indemnities Regulation."

**City of Maple Ridge
Financial Information Act**

**Schedule Showing the Remuneration and Expenses
Paid to or on Behalf of Each Employee
for 2015**

1 Elected Officials

Name	Position	Remuneration	Benefits	Expenses
Bell, Corisa	Councillor	\$ 42,691.35	\$ 7,250.11	\$ 4,567.53
Duncan, Kiersten	Councillor	42,762.36	3,822.79	3,383.70
Masse, Robert	Councillor	41,839.26	5,824.23	719.47
Read, Nicole	Mayor	99,435.96	8,807.55	2,851.79
Robson, Gordy	Councillor	42,762.35	5,665.80	1,565.49
Shymkiw, Tyler	Councillor	43,756.47	4,243.97	2,976.03
Speirs, Craig	Councillor	42,904.37	1,413.75	6,825.09
Total All Elected Officials		\$ 356,152.12	\$ 37,028.20	\$ 22,889.10

**Other Employees (excluding
2 those listed in Part 1 above)**

Name	Position	Remuneration	Expenses
Albrecht, Michael	Tradesperson 2 - Plumber	\$ 75,095.04	\$ 4,140.69
Andre, Colin	Network Analyst	78,614.20	624.02
Armour, Douglas	Fire Training Officer	143,439.50	1,538.39
Armstrong, Fred	Manager of Corporate Communications	118,608.32	616.99
Baird, Kathryn	Recreation Coordinator - Volunteer & Special Events	76,319.28	786.92
Balatti, Christa	Manager of Health & Wellness	115,153.68	1,907.03
Barrett, Kevin	Fire Fighter	104,776.11	0.00
Baski, Sebastian	Fire Fighter	101,438.38	856.42
Bastaja, John	Director of Corporate Support	146,281.76	572.60
Bayley, Christopher	Fire Captain	130,315.14	0.00
Bean, Joshua	Fire Fighter	92,603.09	0.00
Benson, Laura	Manager of Sustainability & Corporate Planning	114,199.92	2,055.05
Bevilacqua, Jim	Fire Captain	143,586.09	387.00
Bhandari, Anita	Manager of Health Safety & Employee Development	99,398.90	5,128.52
Bitcon, Stan	Foreman 2	75,753.06	1,004.55
Blakeway, Alexander	Foreman 3	79,502.40	649.22
Boag, David	Director of Parks & Facilities	152,516.63	1,298.39
Boehmer, Jeffrey	Manager of Construction & Design	126,092.56	2,844.53
Bonderud, Edward	Fire Fighter	78,419.08	85.00
Bonifazi, Marco	Fire Fighter	96,411.57	57.00
Bruce, Robert	Fire Fighter	104,890.50	0.00
Brummer, Russell	Recreation Coordinator - Health Wellness	76,999.81	1,055.94
Carmichael, Rhys	Fire Fighter	101,291.24	0.00
Carmichael, Russ	Director of Engineering Operations	151,632.93	5,159.30
Carter, Christine	Director of Planning	153,132.51	524.70
Chamberlain, Diane	Administrative Coordinator	76,973.11	1,411.78
Charlebois, Jim	Manager of Community Planning	125,060.40	3,137.11
Christensen, Robert	Fire Captain	132,413.99	0.00
Chui, Yvonne	Recreation Manager of Arts & Community Connections	102,341.52	1,437.53
Cillis, Paul	Engineering Inspector 3	81,409.28	812.49
Clelland, James	Fire Fighter	108,897.25	372.60
Collard, Shaun	Fire Fighter	103,563.23	0.00
Cooke, David	GIS Coordinator	93,914.22	1,097.85
Cote-Rolvink, Stephen	Manager of Inspection Services	132,391.76	1,136.27
Cotroneo, Tony	Recreation Manager of Youth & Neighbourhood Services	105,387.20	1,491.65
Cotter, Steve	Fire Fighter	108,084.93	57.00
Crabtree, Christina	Director of Information Services	139,019.08	1,770.86
Cramb, Donald	Senior Recreation Manager	135,167.20	1,673.10
Crapo, Ryan	Tradesperson 2 - Electrical	75,107.04	1,348.63
Cullen, Patrick	Emergency Program Coordinator	94,387.42	3,193.33
Cummings, Travis	Fire Fighter	96,229.39	85.00
Dale, Cindy	Executive Assistant	75,981.80	0.00
Daunais, Don	Electrical Inspector	82,144.03	574.16
Davis, Craig	Fire Fighter	111,714.15	77.00
Davis, Jeffery	Fire Fighter	97,645.57	0.00
Delmonico, Jordan	Fire Fighter	98,040.68	57.00
Denton, Darrell	Manager of Property & Risk	97,283.36	2,054.00

Prepared under the Financial Information Regulation, Schedule 1, Section 1 (1) (e) and Section 6 (2) (a-d), (3) and (6)

**City of Maple Ridge
Financial Information Act**

**Schedule Showing the Remuneration and Expenses
Paid to or on Behalf of Each Employee
for 2015**

Dickson, Janet	Senior Analyst Programmer	88,598.91	354.49
Dingwall, William	Manager of Utility Engineering	127,494.82	1,694.84
Dipalo, David	Tradesperson 2 - Mechanic	75,958.58	0.00
Dorrell, Robert	Tradesperson Foreman	87,387.22	69.44
Dyer, Robert	Trades Inspector	78,646.77	2,278.36
East, Robert	Tradesperson 2 - Carpenter	75,059.46	801.90
Edwards, Catherine	Senior Planning Technician	78,614.25	185.00
Eng, Michael	Traffic & Transportation Technologist	90,338.76	1,757.23
Ennis, Cheryl	Executive Assistant, Administration	75,576.80	2,129.97
Ettinger, Glenn	Fire Fighter	124,828.34	49.24
Exner, Howard	Deputy Fire Chief	152,386.00	964.33
Forsyth, Janice	Recreation Coordinator - Aquatics	76,962.22	985.99
Foster, Mary	Fire Fighter	104,260.85	3,406.80
Franklin, Steven	Fire Captain	136,113.09	28.00
Frederick, Petra	Recreation Coordinator - Leisure Access	76,169.41	574.11
Gailling, Bruce	Electronics Technician	75,564.31	773.35
Gaudette, Christopher	Fire Fighter	102,828.74	57.00
Gaudiuso, Jim	Foreman 2	93,163.90	179.60
Gibson, Timothy	Research Technician	76,025.30	622.24
Gill, Paul	General Manager of Corporate & Financial Services	216,536.14	2,208.02
Gjaltema, Michael	Manager of Electro & Mechanical	95,437.17	894.57
Glasgow, Ian	Fire Fighter	102,039.63	37.00
Goddard, Charles	Manager of Development & Environmental Services	140,048.54	2,701.82
Gordon, Thomas	Engineering Technologist	75,807.92	325.00
Gormley, Kathleen	Manager of Business Systems	106,461.93	1,610.32
Guerra, Maria	Senior Project Engineer	113,621.59	1,451.14
Guy, Ronald	Engineering Inspector 3	82,688.35	807.78
Hall, Diane	Planner 2	93,002.57	539.64
Hampton, Warren	Fire Fighter	100,554.30	57.00
Hansen, Damon	Fire Fighter	97,441.17	57.00
Harcus, David	Fire Captain	122,112.44	0.00
Harrison, Caroline	Network Analyst	78,667.78	704.84
Harwood, Kevin	Fire Captain	122,299.05	40.00
Haydu, John	Fire Fighter	112,427.53	85.00
Hewson, Glen	Trades Inspector	78,842.21	978.46
Holitzki, Elizabeth	Director of Licences Permits Bylaws	137,889.44	1,739.05
Hopper, Clinton	Fire Fighter	98,745.03	0.00
Jonat, Cameron	Fire Fighter	106,828.29	142.00
Jones, Cameron	Fire Fighter	94,443.31	0.00
Jones, Maureen	Senior Manager of Police Services	117,978.80	572.93
Judd, Stephen	Manager of Infrastructure Development	126,092.57	1,478.16
Juurakko, Timo	Assistant Fire Chief of Community & Administrative Services	141,000.12	1,680.20
Kelleher, Jonathan	Fire Fighter	101,684.56	57.00
Kelly, Paul	Electrical Inspector	83,597.82	666.66
King, Frances	Director of Human Resources	157,184.08	573.21
Kopystynski, Adrian	Planner 2	95,093.73	4,970.70
Kovach, Natalie	Systems Analyst 2	80,925.62	452.64
Kozlik, Mark	Building Inspector 1	122,229.69	1,700.07
L'Arrivee, Michael	Building Inspector 1	98,246.95	2,601.69
Laxton, Shannon	Accountant 3	75,664.13	1,767.50
Lee, Chin-Kuan	Financial Analyst	77,190.20	986.70
Lee, Joo Young	Systems Analyst 2	80,173.32	615.42
Livingstone, Bruce	Business Retention & Expansion Officer	75,179.85	3,219.98
Macdonald, Robert	Fire Fighter	101,258.54	306.00
MacNair, Robin	Manager of Bylaw & Licencing Services	109,044.29	688.28
Mah, Edwin	Building Inspector 1	85,728.26	1,052.24
Mallory, Geoffrey	Manager of Parks & Open Space	100,746.76	1,175.45
Marfleet, William	Fire Fighter	95,959.52	0.00
Marlo, Ceri	Manager of Legislative Services	128,019.80	1,523.27
Matthewson-Schober, Shawn	Social Planning Analyst	95,005.52	2,841.72
McAusland, Andrew	Facilities Maintenance Coordinator	76,764.35	2,794.49
McCormick, Wendy	Director of Recreation	145,137.78	1,952.56
McCurry, Aaron	Foreman 2	85,581.02	657.22
McKee, Christopher	Fire Fighter	105,813.03	222.00
McLeod, Bruce	Manager of Parks Planning & Development	114,249.92	2,673.67
Messam, Erica	Engineering Technologist 1	75,407.92	439.48
Mikes, Daniela	Manager of Procurement	115,055.01	5,381.00

Prepared under the Financial Information Regulation, Schedule 1, Section 1 (1) (e) and Section 6 (2) (a-d), (3) and (6)

**City of Maple Ridge
Financial Information Act**

**Schedule Showing the Remuneration and Expenses
Paid to or on Behalf of Each Employee
for 2015**

Millward, Michael	Manager of Facilities Operations	117,768.72	677.02
Moore, Kelly	Fire Lieutenant	121,337.66	57.00
Murphy, Siobhan	Planner 2	87,501.42	1,722.43
Nagra, Dhaminder	Human Resources Advisor	83,501.31	44.01
Narayan, Sureshwar	Senior Analyst Programmer	95,855.79	1,752.73
Negoita, Victor	Manager of Electro & Mechanical	117,015.71	608.49
Nikula, Matthew	Fire Fighter	83,419.38	0.00
Nolan, Catherine	Manager of Accounting	120,787.52	3,315.38
Ogilvie, Ralph	Fire Fighter	84,547.81	247.00
Oleschak, Walter	Superintendent of Public Works	114,620.51	10,184.87
Patel, Brian	Recreation Coordinator - Core Area	79,375.99	575.49
Pendl, Sylvia	Parks Planning Technician	79,512.58	2,221.17
Perkin, Kevin	Fire Lieutenant	115,429.20	37.00
Pollock, David	Municipal Engineer	151,684.88	7,010.31
Pope, Danielle	Manager of Business Operations	106,746.65	1,008.77
Porter, Gary	Fire Lieutenant	121,620.33	57.00
Quinn, Frank	General Manager of Public Works & Development Services	205,486.54	2,184.72
Ramsay, Devin	Fire Fighter	102,436.66	57.00
Ramsay, Robert	Fire Captain	129,856.05	277.00
Riach, Ron	Manager of Property & Risk	101,970.93	0.00
Richmond, Calvin	Foreman 3	89,082.90	1,008.60
Rule, James	Chief Administrative Officer	244,585.60	2,477.40
Rutledge, Silvia	Manager of Revenue & Collections	119,176.66	1,526.31
Schurer, Oliver	Business Systems Analyst	94,193.70	835.17
Schwaiger, Harry	Building Inspector 1	78,520.20	1,037.84
Serediuk, Sean	Network Support Specialist	97,757.84	1,606.10
Serne, Bernie	Superintendent of Sewerworks	78,345.52	723.61
Seward, Adam	Fire Fighter	110,832.64	233.00
Smitton, Mark	Assistant Fire Chief of Fire Prevention & Communications	128,235.33	1,378.44
Snow, Roy	Fire Fighter	116,603.91	651.63
Speers, David	Recreation Coordinator - Youth, Seniors & Neighbourhood Services	77,707.19	1,016.17
Spence, Dane	Fire Chief & Director of Community Fire Safety Services	163,069.22	6,104.83
Stetin, Velimir	Engineering Technologist - Projects	78,678.09	2,120.65
Stewart, Michael	Fire Captain	134,006.52	57.00
Stoll, Jason	Plan Checker 2	76,823.48	1,155.00
Stott, Rodney	Environmental Planner	97,626.76	590.58
Stripp, Mitchell	Electronics Technician	88,152.29	3,894.32
Swift, Kelly	General Manager of Community Development, Parks & Recreation	212,756.50	9,085.54
Taylor, Adam	Fire Fighter	86,413.08	0.00
Teboekhorst, Dennis	Fire Lieutenant	132,137.82	57.00
Thompson, Trevor	Manager of Financial Planning	134,516.48	5,329.35
Todd, Thomas	Foreman 3	87,459.70	747.64
Ulrich, Cynthia	Manager of Compensation	103,314.51	1,060.37
Van Dop, Michael	Assistant Fire Chief of Planning & Prevention	118,093.85	14,320.53
Van Tunen, Randolph	Foreman 3	139,908.21	618.12
Vanderjagt, Ryan	Fire Fighter	99,715.07	0.00
Varcoe, Thomas	Foreman 2	77,859.53	658.70
Veasey, Daryl	Meter Maintenance Worker	86,400.57	300.37
Veltin, George	Tradesperson 2 - Mechanic	80,958.63	209.13
Vinje, Brock	Fire Fighter	108,301.28	373.00
Vinje, Bryan	Assistant Fire Chief of Training & Safety	108,548.07	1,233.08
Virs, Nicholas	Fire Fighter	78,737.67	0.00
Walsh, Nichole	Purchasing Supervisor	76,327.86	4,687.84
Wetherill, Michelle	Manager of Human Resources	114,399.92	936.94
Wheeler, Susan	Director of Community Services	196,316.68	1,065.48
Wilson, Davin	Superintendent of Waterworks	93,552.98	1,647.29
Wilson, Samuel	Water System Operator	81,605.71	734.54
Wing, Graham	Fire Fighter	99,982.81	508.11
Zezechuk, Edward	Trades Inspector	78,614.20	981.81
Zosiak, Lisa	Planner 2	93,182.40	1,805.55
Subtotal		\$ 18,430,490.61	\$ 232,234.82
Consolidated Total of Employees with remuneration less than \$75,000		16,527,096.20	98,874.44
Total All Employees		\$ 34,957,586.81	\$ 331,109.26

Prepared under the Financial Information Regulation, Schedule 1, Section 1 (1) (e) and Section 6 (2) (a-d), (3) and (6)

**City of Maple Ridge
Financial Information Act**

**Schedule Showing the Remuneration and Expenses
Paid to or on Behalf of Each Employee
for 2015**

3 Reconciliation

Total remuneration

Elected Officials	\$	356,152.12
Other Employees		34,957,586.81

Subtotal		\$ 35,313,738.93
----------	--	------------------

Other reconciling Items

	CPP	\$	1,092,349.64
Employer portion of:	EI		555,271.11
	Accruals		(21,604.13)
	WCB		385,652.84
	Pension		3,302,393.00
	Other employer costs (Medical, Dental, etc.)		1,817,490.01

Wages & Salaries per Consolidated Financial Statements, Annual Report, Page 63		\$ 42,445,784.00
---	--	------------------

**City of Maple Ridge
Financial Information Act**

**Schedule Showing Payments Made for the Provision
of Goods or Services for 2014**

1) Alphabetical list of suppliers who received aggregate payments exceeding \$25,000

Supplier Name	Aggregate amount paid to supplier
0946235 BC Ltd	\$ 143,115.00
681186 BC Ltd	53,654.47
9212426 Canada Ltd	35,280.00
A & G Supply Ltd	43,070.01
A.O.K Tree Service Ltd	33,126.19
A T & H Industries Inc	42,588.17
Absolute Industrial Mechanical	55,036.72
AC Paving Company Ltd	594,408.61
Accent Glass & Locksmith	33,515.19
ACE INA Life Insurance	26,544.61
Action Data Communications Ltd	35,932.79
AECOM Canada Ltd	56,238.25
Alouette Addiction Service Society	74,800.00
Alouette River Management Society	55,982.00
Amec Foster Wheeler Environment & Infrastructure	92,052.70
Ansan Industries Ltd	115,178.07
AON Hewitt Inc	27,300.00
Aplin & Martin Consultants Ltd	34,243.22
Aptean, Inc	82,802.86
Arsalan Construction Ltd	336,574.93
Avenue Machinery	83,917.54
AW Fire Guard & Supplies Ltd	39,644.34
B&D First Nation Constructors Group Ltd	56,623.93
Baldwin Site Elements Inc	38,990.24
Bartle & Gibson Co Ltd	51,379.05
BC Hydro	1,630,432.40
BC Institute of Technology	42,522.65
BC SPCA	338,857.82
BDO Canada LLP	72,151.20
BFI Canada Vancouver	31,165.82
Billesberger, Valerie	46,588.50
Black Press Group Ltd	63,439.87
Blue Pine Enterprises Ltd	806,588.07
Boileau Electric & Pole Ltd	361,014.47
Brandt Tractor Ltd	31,620.25
Bruce Carscadden Architect Inc	40,684.63
Bryco Projects Inc	163,059.35
Canada Pipe Company Ltd	93,706.20
Canadian Mental Health Association	71,315.00
Canadian Pacific Railway	160,352.82
Cansel Survey Equipment Inc	32,972.13
CDW Canada Inc	33,434.21
Cel-Com Systems Ltd	37,197.44
Chamco Industries Ltd	55,984.32
Chevron Canada Ltd	793,681.30
City of Pitt Meadows	276,929.59
Cobing Building Solutions	218,363.67
Columbia Bitulithic Ltd	406,346.02
Commercial Aquatic Supplies	25,409.18
Co-Pilot Industries Ltd	35,331.45
Coquitlam Ridge Constructors Ltd	161,735.48

**City of Maple Ridge
Financial Information Act**

**Schedule Showing Payments Made for the Provision
of Goods or Services for 2014**

Corix Water Products	149,658.26
Coutts Pulver LLP	57,909.75
Crown Contracting Limited	45,491.25
CSDC Systems Inc	109,472.36
Custom Loading Ltd	85,838.10
Dams Ford Lincoln Sales Ltd	241,380.18
Davies Park Executive Search	51,726.70
DeepRoot Canada Corp	33,526.35
Dell Canada Inc	262,656.53
Dougness Holdings Ltd	61,775.48
Drake Excavating Ltd	103,468.05
DTM Systems Corporation	49,236.33
Eagle West Crane & Rigging	33,723.64
Ecotainer Sales Inc	176,592.15
Electro Motors Co Ltd	29,647.52
Emergency Communications For British Columbia Inc	995,550.00
Empire Signworks Inc	42,587.03
esri Canada	68,936.00
FDM Software Ltd	26,563.88
Finning International Inc	27,678.08
First Truck Centre Vancouver Inc	340,023.69
Fitness Edge	193,978.91
Fort Fabrication & Welding Ltd	210,173.21
Fortis BC	229,305.69
Fraser Valley Regional Library	2,597,908.87
Frazer Excavation Ltd	438,719.34
Fred Surridge Ltd	129,069.69
Fung-San MacInnis	25,282.89
Genesis Janitorial Service Ltd	29,083.98
Gibson Waterworks Supply Inc	56,997.16
Golden Ears Alarm Systems Ltd	30,795.07
Golden Ears Ortho & Sports Physiotherapist Corp	117,159.81
Goodbye Graffiti Burnaby-Mission	26,159.92
GOTraffic Management Inc	208,394.86
Graham Hoffart Mathiasen Architects	30,423.23
Greater Vancouver Regional District	1,285,621.14
Greater Vancouver Sewerage & Drainage District	83,356.13
Greater Vancouver Water District	12,518,644.43
GLE Green Landscape Experts Ltd	48,752.46
Green Landscape Experts Ltd	60,666.21
Guest Excavating Company Ltd	25,746.00
Guillevin International Inc	203,306.48
Hallmark Facility Services Inc	298,726.28
Haney Builders Supplies	39,416.26
Heidelberg Landscaping Ltd	31,738.36
Hincks, Linda	47,185.84
Homewood Health Inc	38,533.82
Horizon Landscape Contractors	93,329.21
Houle Electric Ltd	25,002.99
Hub Fire Engines and Equipment Ltd	36,390.48
ICBC	162,314.00
IDRS	39,043.28
Image Painting & Restoration Ltd	95,544.33
Imperial Paving	2,127,508.67
Infinite Roadmarking Ltd	105,662.15

Prepared under the Financial Information Regulation, Schedule 1, Section 1 (1) (f) and Section 7 (1) (a-c) and (2) (b)

**City of Maple Ridge
Financial Information Act**

**Schedule Showing Payments Made for the Provision
of Goods or Services for 2014**

Inprotect Systems Inc	81,947.17
Insight Canada Inc	105,739.35
Interprovincial Traffic Services	140,277.39
ISL Engineering & Land Services Ltd	401,431.21
Jack Cewe Ltd	31,498.74
Jacks Automotive & Welding	201,375.68
Jent Construction Ltd	1,302,306.07
Kerr Wood Leidal Associates	105,304.65
KEV Construction Ltd	37,726.50
King Hoe Excavating Ltd	4,526,710.99
Kone Inc	43,423.17
Lafarge Canada Inc	43,966.89
Langfab Fabricators Ltd	29,517.60
Letts Environmental Consultants Ltd	69,736.30
Long View Systems Corporation	25,874.36
Lordco Parts Ltd	79,081.91
Machinex Recycling Service Inc	68,756.27
Mainland Sand & Gravel ULC	40,893.75
Making, Kenneth and Gracie	446,679.08
Manulife Financial	1,106,182.37
Maple Ridge & PM Arts Council	834,033.51
Maple Ridge Carpet One	48,215.86
Maple Ridge Chrysler Jeep Dodge	31,495.16
Maple Ridge Historical Society	142,582.00
Mar-Tech Underground Services Ltd	88,376.40
Medical Services Plan	328,447.19
Medisys Corporate Health LP	50,197.66
Mertin Imports Ltd	80,811.03
Mertin Nissan Ltd	27,575.52
Michelin North America Inc	32,108.83
Microsoft Corporation	117,445.22
Mills Printing & Stationery	79,630.03
Minister of Finance - Department of Transportation and Infrastructure	42,330.89
Morrison Hershfield Limited	108,871.88
Municipal Insurance Association of British Columbia	692,933.46
Municipal Pension Plan	3,302,393.00
Nederman Canada Limited	85,413.73
Noble Corporation	53,737.56
North of 49 Enterprises Ltd	108,266.70
Northwest Hydraulic Consultants Ltd	82,014.24
Nustadia Recreation Inc	428,645.31
Ocean Heidelberg Cement Group	41,995.17
Open Storage Solutions	132,975.36
Opus Consulting Group Ltd	68,163.60
Opus DaytonKnight Consultants Ltd	29,571.57
Oracle Corporation Canada Inc	52,506.59
P & L Speed Print Ltd	26,833.85
Pacific Ace Sports Surfaces & Equipment Ltd	54,333.65
Pacific Flow Control Ltd	71,898.75
Panorama LMS 4011	161,021.76
Paul Bunyan Tree Service Ltd	107,509.50
Performance Analytics Corp	33,308.80
Pilgrim Consulting & Services	26,962.79
Pitney Works	42,854.38
Pitt Meadows Heritage & Museum Society	81,066.00

**City of Maple Ridge
Financial Information Act**

**Schedule Showing Payments Made for the Provision
of Goods or Services for 2014**

Pitt River Quarries	42,384.66
Pro Sound & Stage Lighting Ltd	25,959.77
Progressive Waste Solutions Inc	52,114.14
PW Trenchless Construction Inc	104,033.86
Quantum Murray LP	56,387.48
Raybern Erectors Ltd	74,092.21
RCMP - Receiver General	14,515,752.77
RCR Technologies Inc	64,571.07
RecTec Industries Inc	50,522.17
Receiver General-Payroll Deduction	1,639,686.67
RG Arenas (Maple Ridge) Ltd	812,605.42
R.G.M. Landscaping & Maintenance Ltd	41,244.00
Richmond Subaru	104,553.12
Ricoh Canada Inc	205,005.20
Ridge Meadows Recycling Society	2,304,290.49
Ridge Meadows Seniors Society	281,727.00
RJ Construction	63,755.29
Road Warrior Cutting Ltd	41,238.32
Rogers	136,221.99
Safe Vac Environmental Services Ltd	32,997.34
Sandpiper Contracting Ltd	238,244.79
School District#42	34,028.00
Schwarz & Co Law Corporation	429,453.31
SFE Ltd	27,798.75
Shape Architecture Inc	282,313.83
Shaw Business	54,174.27
Smithrite Portable Services Ltd	41,323.76
Spyders Inc	141,494.86
SURD-BA Robinson CO Ltd	41,891.54
Surrey Fire Service	92,780.00
Suttle Recreation Inc	41,923.56
T & T Demolition Ltd	50,230.95
Telus	123,894.26
Tempest Development Group	58,339.73
Terra Link Horticulture Inc	28,399.73
Tetra Tech EBA Inc	95,093.77
The Hackett Group Canada, Inc	87,581.16
The Ritz Drycleaners Ltd	27,933.55
Total Energy Systems Ltd	126,165.20
Total Power Ltd	63,811.73
Tourism Maple Ridge & Pitt Meadows	36,750.00
Trans Western Electric Ltd	49,425.40
Treen Safety (Worksafe) Inc	34,051.54
Trevor Jarvis Contracting Ltd	41,009.85
Tundra Plumbing Ltd	318,004.08
Union of BC Municipalities	34,755.36
Urban Systems	120,522.94
Van Der Zalm & Associates Inc	67,666.10
Vancouver Axle & Frame Limited	30,341.67
Vercon Civil Contractors Ltd	99,417.16
Warrington PCI Management	781,991.67
Westcoast Fitness Fixations Inc	26,256.16
Westridge Security Ltd	101,842.93
Westvac Industries Ltd	235,959.73
Westview Sales Ltd	58,658.69

Prepared under the Financial Information Regulation, Schedule 1, Section 1 (1) (f) and Section 7 (1) (a-c) and (2) (b)

**City of Maple Ridge
Financial Information Act**

**Schedule Showing Payments Made for the Provision
of Goods or Services for 2014**

Whonnock Roofing Ltd	46,830.00
Williams, A. J.	41,688.69
Willis Canada Inc	234,047.00
Workers Compensation Board	464,527.90
Young, Anderson - Barristers & Solicitors	621,036.57
Zone West Enterprises Ltd	31,208.14
	\$ 75,753,232.91

2) Consolidated total paid to suppliers who received aggregate payments of \$25,000 or less

\$ 5,018,132.58

3) Total payments to suppliers for grants and contributions exceeding \$25,000

Consolidated total of grants exceeding \$25,000	39,000.00
Consolidated total of contributions exceeding \$25,000	-
Consolidated total of all grants and contributions exceeding \$25,000	39,000.00

4) Reconciliation

Total of aggregate payments exceeding \$25,000 paid to suppliers	<u>\$ 75,753,232.91</u>
Consolidated total of payments of \$25,000 or less paid to suppliers	<u>\$ 5,018,132.58</u>
Consolidated total of all grants and contributions exceeding \$25,000	<u>39,000.00</u>
Reconciling items	<u>Explanation below</u>
Total per Financial Statements, Expenditures & Expenses, Good & Services including Capital	<u>\$ 75,901,704.00</u>
Variance	<u>\$ (4,908,661.49)</u>

Expenditures in the statements are on an accrual basis, whereas amounts paid are on a cash basis. It is important to note that not all payments are expenditures and that not all expenditures are payments. It is not practical to reconcile to those sets of data.

Consolidated Statement of Cash Flow

For the year ended December 31, 2015

	Actual	Actual
	2015	2014
Operating transactions		
Annual surplus	\$51,498,866	\$31,839,315
Items not utilizing cash		
Amortization	19,935,997	19,093,893
Loss on disposal of tangible capital assets	1,668,305	1,353,954
Contributed tangible capital assets	(36,744,306)	(23,232,212)
Restricted revenues recognized	<u>(12,455,022)</u>	<u>(8,051,160)</u>
	(27,595,026)	(10,835,525)
Change in non-cash operating items		
Increase in prepaid expenses	(380,475)	129,897
Decrease (increase) in supplies inventory	(13,908)	27,613
Decrease (increase) in accounts receivable	(12,680)	237,383
Decrease (increase) in recoverable local improvements	199,290	110,349
Decrease (increase) in other assets	(18,926)	(20,819)
Increase (decrease) in accounts payable and accrued liabilities	703,805	943,257
Increase (decrease) in deferred revenue	1,151,736	109,014
Increase (decrease) in refundable performance deposits	1,843,301	1,681,797
Increase (decrease) in employee future benefits	<u>(178,600)</u>	<u>195,900</u>
	3,293,543	3,414,391
Cash provided by operating transactions	<u>27,197,383</u>	<u>24,418,181</u>
Capital transactions		
Proceeds on disposal of assets	1,279,143	129,733
Acquisition of tangible capital assets	<u>(20,866,209)</u>	<u>(19,873,611)</u>
Cash applied to capital transactions	<u>(19,587,066)</u>	<u>(19,743,878)</u>
Investing transactions		
Increase in portfolio investments	<u>(18,743,908)</u>	<u>(2,035,283)</u>
	(18,743,908)	(2,035,283)
Financing transactions		
Debt repayment	(2,764,386)	(2,673,389)
Collection of restricted revenues	<u>9,945,636</u>	<u>7,096,620</u>
Cash applied to financing transactions	<u>7,181,250</u>	<u>4,423,231</u>
Increase (decrease) in cash and cash equivalents	(3,952,341)	7,062,251
Cash and cash equivalents - beginning of year	<u>14,098,635</u>	<u>7,036,384</u>
Cash and cash equivalents - end of year	<u>\$10,146,294</u>	<u>\$14,098,635</u>
Supplementary information:		
Non-cash transactions:		
Transfer from tangible capital assets to undeveloped land bank	\$ 1,194,867	\$ -
Transfer from tangible capital assets to inventory available for sale	\$ 4,226,923	\$ 350,077

The accompanying summary of significant accounting policies and notes to the Consolidated Financial Statements are an integral part of this statement

Consolidated Statement of Change in Net Financial Assets

For the year ended December 31, 2015

	Actual 2015	Budget 2015 (Note 17)	Actual 2014
Annual Surplus	\$ 51,498,866	\$ 50,095,908	\$ 31,839,315
Add (Less):			
Change in Tangible Capital Assets			
Acquisition of tangible capital assets	(57,610,515)	(101,313,329)	(43,105,823)
Amortization	19,935,997	20,123,835	19,093,893
Proceeds from disposal of tangible capital assets	1,279,143	4,250,000	129,733
(Gain) loss on disposal of tangible capital assets	<u>1,318,228</u>	<u>(4,250,000)</u>	<u>1,353,954</u>
	(35,077,147)	(81,189,494)	(22,528,243)
Change in Other Non Financial Assets			
Decrease (increase) in supplies inventory	(13,908)	-	27,613
Reclassification of tangible capital assets	4,226,923	-	350,077
Decrease (increase) in prepaid expenses	<u>(380,475)</u>	<u>-</u>	<u>129,897</u>
	3,832,540	-	507,587
Increase (decrease) in Net Financial Assets	20,254,259	\$ (31,093,586)	9,818,659
Net Financial Assets beginning of the year	<u>51,798,865</u>	<u>51,798,865</u>	<u>41,980,206</u>
Net Financial Assets end of the year	<u>\$ 72,053,124</u>	<u>\$ 20,705,279</u>	<u>\$ 51,798,865</u>

The accompanying summary of significant accounting policies and notes to the Consolidated Financial Statements are an integral part of this statement

Notes to the Consolidated Financial Statements
For the year ended December 31, 2015

1. Cash and cash equivalents

Cash and cash equivalents as at December 31, 2015 were comprised as follows:

	<u>Dec 31, 2015</u>	<u>Dec 31, 2014</u>
Cash	\$ 5,146,294	\$ 9,067,402
Cash equivalents	<u>5,000,000</u>	<u>5,031,233</u>
	<u>\$ 10,146,294</u>	<u>\$ 14,098,635</u>

Cash equivalents are comprised of a BC Credit Union term deposit with an effective interest rate of **1.6%** (1.85% for 2014). Additionally, the City holds cash and cash equivalents of **\$2,825,191** (\$2,276,008 for 2014) and agreements receivable of **\$131,626** (\$177,716 for 2014) for trusts which are not reported elsewhere in the financial statements. They are held for the following trusts:

	Balance Dec 31, 2014	Interest Earned	Receipts	Disbursements	Balance Dec 31, 2015
Latecomer Fees	\$ 5,210	\$ -	\$ 304,433	\$ 109,640	\$ 200,003
Cemetery Perpetual Care	979,234	26,331	54,479	26,331	1,033,713
Greater Vancouver Sewer & Drainage District	696,027	-	936,141	823,214	808,954
Albion Dyking District	<u>773,253</u>	<u>414</u>	<u>199,803</u>	<u>33,178</u>	<u>940,292</u>
	<u>\$ 2,453,724</u>	<u>\$ 26,745</u>	<u>\$ 1,494,856</u>	<u>\$ 992,363</u>	<u>\$ 2,982,962</u>

2. Portfolio Investments

Portfolio investments include Canadian bank notes and BC Credit Union term deposits with effective interest rates of 1.40 - 3.50%. A portion of the bank notes held have interest payments linked to the performance of a set of equities or a financial index without stated or certain interest rates. For these investments, income is recognized as it is received; in 2015 returns were positive and ranged to 3.12%. Included in interest earnings are losses on the sale of investments before maturity. In 2015 losses totalled \$Nil (\$28,466 in losses for 2014). The City does not hold any asset backed commercial paper or hedge funds.

The carrying value of securities is based on the cost method whereby the cost of the security is adjusted to reflect investment income that is accruing and any permanent decline in market value. During the term of individual investments there will be fluctuations in market values. Such fluctuations are considered normal, and if held to maturity, market value will be equal to face value.

The carrying value of Portfolio Investments at December 31, 2015 was **\$159,495,941** (\$140,752,034 for 2014). The market value at December 31, 2015 was **\$158,991,241** (\$140,292,423 for 2014).

3. Accounts Receivable

	<u>2015</u>	<u>2014</u>
Property Taxes	\$ 5,896,045	\$ 6,415,133
Other Governments	4,347,016	4,621,758
General and Accrued Interest	3,729,438	3,230,473
Development Cost Charges	<u>5,006,365</u>	<u>4,746,540</u>
	18,978,864	19,013,904
Less: Allowance for Doubtful Accounts	<u>(55,797)</u>	<u>(103,517)</u>
	<u>\$ 18,923,067</u>	<u>\$ 18,910,387</u>

4. Recoverable Local Improvements

The City provides interim financing for certain geographically localized capital projects. It recovers these amounts from benefiting property owners. Interest rates are established at the outset of the process and are a function of borrowing rates at the time. Repayment is typically made over fifteen years.

5. Other Assets

Debt Reserve Fund:

The Municipal Finance Authority of British Columbia provides capital financing for regional districts and their member municipalities. The Authority is required to establish a Debt Reserve Fund. Each regional district, through its member municipalities who share in the proceeds of a debt issue, is required to pay into the Debt Reserve Fund certain amounts set out in the debt agreements. The Authority pays into the Debt Reserve Fund these monies from which interest earned thereon less administrative expenses becomes an obligation to the regional districts. It must then use this fund, if at any time there are insufficient funds, to meet payments on its obligations. If this occurs, the regional districts may be called upon to restore the fund.

Upon the maturity of a debt issue the unused portion of the Debt Reserve Fund established for that issue will be discharged to the City. The City has estimated that there is only a remote possibility that these funds will not be paid to it and therefore these funds have been included in Other Assets of **\$758,106** (\$739,180 for 2014).

6. Accounts Payable and Accrued Liabilities

	<u>2015</u>	<u>2014</u>
Accounts Payable:		
General	\$ 7,171,026	\$ 6,348,413
Other Governments	8,064,961	8,877,109
Salaries and Wages	<u>1,334,623</u>	<u>1,162,411</u>
	16,570,610	16,387,933
Accrued Liabilities:		
Vacation Pay	477,583	403,094
Other Vested Benefits	<u>870,688</u>	<u>424,049</u>
	<u>1,348,271</u>	<u>827,143</u>
	\$ 17,918,881	\$ 17,215,076

7. Contingencies, Commitments and Unrecognized Liabilities:

(a) Third Party Claims

Where losses related to litigation are possible and can be reasonably estimated management accrues its best estimate of loss. For 2015 this estimate is **\$412,657** (\$408,999 for 2014). These amounts are included in accounts payable and accrued liabilities.

There are various other claims by and against the City, the outcome of which cannot be reasonably be estimated. Any ultimate settlements will be recorded in the year the settlements occur.

(b) Contractual Obligations

(i) Water

The City has entered into a cost share agreement with the Greater Vancouver Water District for the construction of infrastructure. Under this agreement the City expects to incur costs of approximately **\$800,000** over the next year. The expense is recorded as the related costs are incurred.

(ii) Recreation and Cultural Services

In 1998 the City entered into an agreement to purchase ice sheet time for five years commencing in 1999, with three five-year renewal options. In 2013, the agreement was renewed for an additional five-year period. The minimum annual payment due for the provision of ice time is \$686,225. These payments are recorded as expenses when the ice time is provided.

(c) Unrecognized Liability

The City holds shares in a non-profit organization that provides protective services to its members. Should the organization dissolve or management choose to withdraw from the organization the City would be liable for a proportionate share of any debt the organization held at that time. The liability is expected to be discharged over time through payments by the City and others for the provision of these services by the organization. Due to the ongoing operations of the organization the liability could only be quantified if the City chose to withdraw. Consequently no liability has been recognized in these financial statements.

8. Deferred Revenues

Deferred revenues held by the City were comprised as follows:

	Prepaid Taxes		Connection Revenues	
	2015	2014	2015	2014
Beginning balance	\$ 5,825,403	\$ 5,598,690	\$ 467,503	\$ 803,275
Deferred during the year	12,231,715	10,473,697	757,465	167,104
Revenue recognized	(11,938,746)	(10,246,984)	(595,148)	(502,876)
Ending balance	<u>\$ 6,118,372</u>	<u>\$ 5,825,403</u>	<u>\$ 629,820</u>	<u>\$ 467,503</u>

	Other		Total Deferred Revenues	
	2015	2014	2015	2014
Beginning balance	\$ 3,223,136	\$ 3,005,063	\$ 9,516,042	\$ 9,407,028
Deferred during the year	2,383,950	2,805,749	15,373,130	13,446,550
Revenue recognized	(1,687,501)	(2,587,676)	(14,221,395)	(13,337,536)
Ending balance	<u>\$ 3,919,585</u>	<u>\$ 3,223,136</u>	<u>\$ 10,667,777</u>	<u>\$ 9,516,042</u>

9. Restricted Revenues

Restricted revenues held by the City were comprised as follows:

	Development Cost Charges		Parkland Acquisition Charges	
	2015	2014	2015	2014
Beginning Balance	\$ 37,155,173	\$ 38,773,658	\$ 1,028,090	\$ 764,168
Collections and interest	9,117,048	6,348,860	175,310	263,922
Disbursements - operating	(2,989,265)	(2,685,125)	-	-
Disbursements - capital	(9,311,090)	(5,282,220)	-	-
Ending Balance	<u>\$ 33,971,866</u>	<u>\$ 37,155,173</u>	<u>\$ 1,203,400</u>	<u>\$ 1,028,090</u>

	Other Restricted Revenues		Total Restricted Revenues	
	2015	2014	2015	2014
Beginning Balance	\$ 6,012,171	\$ 5,612,149	\$ 44,195,434	\$ 45,149,975
Collections and interest	653,277	483,838	9,945,635	7,096,620
Disbursements - operating	(40,297)	(68,050)	(3,029,562)	(2,753,175)
Disbursements - capital	(114,370)	(15,766)	(9,425,460)	(5,297,986)
Ending Balance	<u>\$ 6,510,781</u>	<u>\$ 6,012,171</u>	<u>\$ 41,686,047</u>	<u>\$ 44,195,434</u>

10. Employee Future Benefits

The City provides employee future benefits in the form of severance benefits and vested and non-vested sick leave to qualifying employees. These benefits are not separately funded.

Severance benefits are cash settlements paid to employees who cease their employment with the City after a specified period of time. Employees hired before February 11, 1999 qualify for five days pay per year of employment, provided they either work a minimum of 20 years with the City or retire as defined by the Public Sector Pension Plan Act. Full time employees hired after February 11, 1999 qualify for 20 days pay provided they work a minimum of 10 years with the City and retire as defined by the Public Sector Pension Plan Act.

The City permits regular employees to accumulate up to 18 days per year of service for future illnesses up to a maximum of 250 days. For certain qualifying employees a portion of this benefit vests; for the balance, this benefit does not vest and cannot be converted to any other type of benefit.

An actuarial valuation of these benefits was performed to determine the City's liability and accrued benefit obligation as at December 31, 2015. The valuation resulted in an unamortized actuarial loss of **\$463,400** (\$355,500 gain for 2014) at December 31, 2015. Actuarial gains or losses are amortized over the expected average remaining service life of employees. The benefit liability at December 31, 2015 was **\$4,908,000**, (\$5,086,000 for 2014) comprised as follows:

	<u>2015</u>	<u>2014</u>
Benefit Liability - Beginning of the year	\$ 5,086,600	\$ 4,890,700
Add: Current service costs	337,900	304,800
Interest on accrued benefit obligation	140,800	174,400
Plan amendment costs	471,700	
Less: Amortization of actuarial (gain)	(335,500)	(26,400)
Benefits paid during the year	<u>(793,500)</u>	<u>(256,900)</u>
Benefit Liability - End of the year	4,908,000	5,086,600
 Add (Less): Unamortized actuarial loss (gain)	 <u>463,400</u>	 <u>(335,500)</u>
Accrued benefit obligation - End of the year	5,371,400	4,751,100

Actuarial assumptions used to determine the City's accrued benefit obligation are as follows:

	<u>2015</u>	<u>2014</u>
Discount rate (long-term borrowing rate)	2.80 %	3.00 %
Expected future inflation rate	2.00 %	2.50 %
Merit and inflationary wage and salary increases averaging	3.04 %	3.55 %
Estimated average remaining service life of employees (years)	13.0	10.2

11. Debt (Schedule 4)

The City obtains debt instruments through the Municipal Finance Authority (MFA), pursuant to security issuing bylaws under authority of the Community Charter, to finance certain capital expenditures. Debt is reported net of Sinking Fund balances and interest expense is reported net of Sinking Fund earnings.

The City carries no debt for others.

The following debenture debt amounts plus related interest are payable over the next five years:

	<u>Debt Payments</u>
2016	\$ 2,542,491
2017	2,582,492
2018	2,129,744
2019	2,172,036
2020	2,215,521
Thereafter	<u>16,819,563</u>
Debt principal repayments	<u>\$ 28,461,847</u>

The City has the following authorized but un-issued long term debt as at December 31, 2015:

<u>L/A Bylaw</u>	<u>L/A Amount</u>
#6558	\$ 6,000,000
#6560	275,000
#6679	<u>1,100,000</u>
	<u>\$ 7,375,000</u>

12. Tangible Capital Assets

	<u>Net book value</u>	
	<u>2015</u>	<u>2014</u>
Land	\$ 201,911,385	\$ 196,658,684
Buildings	45,860,878	47,979,785
Transportation network	213,240,439	207,517,609
Storm sewer system	185,891,410	171,327,266
Fleet and equipment	14,043,631	14,015,399
Technology	4,801,939	4,743,350
Water system	107,827,624	105,205,443
Sanitary sewer system	122,486,320	119,326,063
Other	<u>14,827,541</u>	<u>14,462,211</u>
	<u>\$ 910,891,167</u>	<u>\$ 881,235,810</u>

For additional information, see the Schedule of Tangible Capital Assets (Schedule 5)

During the year there were no write-downs of assets (2014 - \$Nil) and no interest was capitalized (2014 - \$Nil). In addition, roads and related infrastructure, underground networks and land contributed to the City totaled **\$36,744,306** (\$23,232,212 for 2014) and were capitalized at their fair value at the time of receipt.

Works of art, artifacts, cultural and historic assets are not recorded as assets in the financial statements. The City controls various works of art and historical treasures including artifacts, paintings, sculptures and mosaics located at City sites and public display areas.

13. Undeveloped Land Bank

The City owns property in various areas identified for future growth in the Official Community Plan. These properties are not currently used in the provision of service to the citizens of Maple Ridge. The properties represent a strategic, non-renewable resource available for the advancement of Council's strategic plan. During the year properties with a book value of \$1,194,867 were reclassified as undeveloped land bank properties.

14. Accumulated Surplus

Accumulated Surplus is comprised of operating surpluses and equity in tangible capital assets held in the general, sewer and water funds as well as reserves. Accumulated surplus for 2015 is **\$999,824,048** (\$948,325,182 for 2014) and is distributed as follows:

		<u>2015</u>	<u>2014</u>
Operating surplus (Schedule 1)	General	\$ 9,859,165	\$ 7,522,666
	Sewer	6,413,897	4,662,448
	Water	<u>8,354,639</u>	<u>6,737,009</u>
		<u>24,627,701</u>	<u>18,922,123</u>
Equity in the capital funds (Schedule 2)	General	665,279,594	633,725,191
	Sewer	124,012,680	120,721,289
	Water	<u>108,872,543</u>	<u>106,212,973</u>
		<u>898,164,817</u>	<u>860,659,453</u>
Reserves (Schedule 3)	Funds	36,211,526	33,377,837
	Accounts	<u>40,820,004</u>	<u>35,365,769</u>
		<u>77,031,530</u>	<u>68,743,606</u>
Accumulated Surplus		<u>\$ 999,824,048</u>	<u>\$ 948,325,182</u>

15. Property Tax Levies

In addition to its own tax levies, the City is required to levy taxes on behalf of various other taxing authorities. These include the provincial government for local school taxes, incorporated dyking districts located within the City and, organizations providing regional services in which the City has become a member. Taxes levied for other agencies are not included in City revenues. Total tax levies were comprised as follows:

	<u>2015</u>	<u>2015 Budget</u>	<u>2014</u>
Municipal Tax Levies	\$ 74,042,945	\$ 73,923,852	\$ 71,350,132
Levies for other authorities			
School taxes	32,226,532	32,236,920	31,557,469
Greater Vancouver Transit Authority	5,562,484	5,562,485	5,549,289
British Columbia Assessment	935,092	935,092	926,951
Greater Vancouver Regional District	885,216	885,216	845,473
Dyking Districts	873,426	873,423	760,165
Municipal Finance Authority	<u>3,041</u>	<u>3,041</u>	<u>2,901</u>
Total Collections for Others	<u>40,485,791</u>	<u>40,496,177</u>	<u>39,642,248</u>
Total Tax Levies	<u>\$ 114,528,736</u>	<u>\$ 114,420,029</u>	<u>\$ 110,992,380</u>

16. Government Transfers

Government transfers received during the year were comprised of the following:

	<u>2015</u>		<u>2014</u>	
	Capital	Operating	Capital	Operating
Federal Gov't	\$ -	\$ 354,582	\$ 484,424	\$ 279,382
Provincial Gov't	29,263	1,442,185	82,694	763,750
TransLink	779,171	854,532	329,831	386,761
Other	109,500	68,319	46,000	138,643
Total	<u>\$ 917,934</u>	<u>\$ 2,719,618</u>	<u>\$ 942,949</u>	<u>\$ 1,568,536</u>

17. Budget

Budget amounts represent the Financial Plan Bylaw adopted by Council on May 12, 2015. The Financial Plan anticipated use of surpluses accumulated in previous years to balance against current year expenditures in excess of current year revenues.

The following shows how these amounts were combined:

	Financial Plan Bylaw	Financial Statement Budget
Revenue		
Taxation	\$ 73,923,852	\$ 73,923,852
User fees and other revenue	39,048,881	39,048,881
Other	50,971,570	50,971,570
Contributed subdivision infrastructure	<u>16,500,000</u>	<u>16,500,000</u>
Total Revenue	<u>180,444,303</u>	<u>180,444,303</u>
Expenses		
Protective services	37,146,888	37,146,888
Transportation services	19,582,665	19,582,665
Recreation and cultural	22,572,713	22,572,713
Water utility	17,856,192	17,856,192
Sewer utility	10,130,292	10,130,292
General Government	17,329,253	17,329,253
Planning, public health and other	<u>5,730,392</u>	<u>5,730,392</u>
Total expenses	<u>130,348,395</u>	<u>130,348,395</u>
Annual Surplus	<u>\$ 50,095,908</u>	<u>\$ 50,095,908</u>
Less:		
Capital expenditures	101,313,329	
Debt repayment	3,952,529	
Add:		
Interfund transfers	27,998,467	
Amortization	20,123,835	
Borrowing proceeds	<u>7,047,648</u>	
	<u>\$ -</u>	

18. Expenditures and Expenses by Object

	Operations	Capital Acquisitions	2015 Total	2015 Budget	2014 Total
Goods and services	\$ 55,862,092	\$ 20,039,612	\$ 75,901,704	\$ 150,431,550	\$ 71,849,529
Wages and salaries	41,619,187	826,597	42,445,784	42,169,415	41,088,886
Interest	<u>1,975,261</u>	<u>-</u>	<u>1,975,261</u>	<u>2,407,287</u>	<u>2,139,323</u>
Total Expenditures	99,456,540	20,866,209	120,322,749	195,008,252	115,077,738
Amortization expenses	19,935,997	-	19,935,997	20,123,835	19,093,893
Contributed tangible capital assets	<u>-</u>	<u>36,744,306</u>	<u>36,744,306</u>	<u>16,500,000</u>	<u>23,232,212</u>
Total Expenditures and Expenses	<u>\$ 119,392,537</u>	<u>\$ 57,610,515</u>	<u>\$ 177,003,052</u>	<u>\$ 231,632,087</u>	<u>\$ 157,403,843</u>

19. Pension Plan

The employer and its employees contribute to the Municipal Pension Plan (a jointly trustee pension plan). The board of trustees, representing plan members and employers, is responsible for administering the plan, including investment of assets and administration of benefits. The plan is a multi-employer defined benefit pension plan. Basic pension benefits are based on a formula. The plan has about 185,000 active members and approximately 80,000 retired members. Active members include approximately 37,000 contributors from local governments.

Every three years, an actuarial valuation is performed to assess the financial position of the plan and adequacy of plan funding. The actuary determines an appropriate combined employer and member contribution rate to fund the plan. The actuary's calculated contribution rate is based on the entry-age normal cost method, which produces the long-term rate of member and employer contributions sufficient to provide benefits for average future entrants to the plan. The rate is then adjusted to the extent there is amortization of any funding deficit.

The most recent valuation for the Municipal Pension Plan as of December 31, 2012, indicated a \$1,370 million funding deficit for basic pension benefits on a going concern basis.

The City paid **\$3,302,393** (2014 - \$3,004,843) for employer contributions while employees contributed **\$2,680,523** (2014 \$2,211,523) to the plan in fiscal 2015.

The next valuation will be as at December 31, 2015, with results available in late 2016.

Employers participating in the plan record their pension expense at the amount of employer contributions made during the fiscal year (defined contribution plan accounting). This is because the plan records accrued liabilities and accrued assets for the plan in aggregate, resulting in no consistent and reliable basis for allocating the obligation, assets and cost to individual employers participating in the plan.

20. Segmented Information

The City is a diversified municipal government entity in the province of British Columbia that provides a wide range of services to its citizens. Municipal services have been segmented by grouping activities that have similar service objectives (by function) and separately disclosed in the segment report. Where certain activities cannot be attributed to a specific segment they have been reported as unallocated. The segments and the services they provide are as follows:

Protective Services

Protective Services is comprised of the Ridge Meadows RCMP detachment, the Maple Ridge Fire Department, bylaw enforcement, inspection services and emergency services. Services provided by the segment are focused on protecting the citizens of Maple Ridge.

Transportation Services

Transportation Services is comprised of Engineering, Operations, Drainage and Roads. Services provided by the segment include the construction and maintenance of transportation related infrastructure.

Recreation and Cultural

Recreation and cultural services provides library services, access to recreation facilities and maintains and operates City parks.

Water Utility

The Water Utility, in conjunction with Metro Vancouver, provides safe, clean, reliable water to the residents and businesses of the City of Maple Ridge.

Sewer Utility

The Sewer Utility collects waste water and transports it to treatment plants operated by Metro Vancouver in addition to maintaining the sanitary sewer infrastructure.

General Government

General Government provides administrative, legislative and support services for the City. Functions include financial planning and reporting, information technology, economic development and communications.

Planning, Public Health and Other

This segment is comprised of Planning, Recycling, Cemetery and Social Planning. Activities include land use guidelines, development of the City's official community plan, management of the recycling contract and improving the social well-being of the community.

Unallocated

Unallocated includes revenues and expenses that cannot be directly attributed to the activities of an identified functional segment.

Schedule 2

Schedule of Change in Capital Funds
For the year ended December 31, 2015

	Actual 2015	Budget 2015	Actual 2014
Revenue			
Subdivision infrastructure contributions	\$ 36,744,306	\$ 16,500,000	\$ 23,232,212
Government transfers	917,934	2,650,363	942,949
Development fees	9,311,090	32,597,095	5,282,220
Other capital contributions	216,381	2,478,274	209,349
Disposal of tangible capital assets	<u>(2,947,448)</u>	<u>-</u>	<u>(1,483,686)</u>
Total Revenue	44,242,263	54,225,732	28,183,044
Expenses			
Amortization	<u>19,935,997</u>	<u>20,123,835</u>	<u>19,093,893</u>
Total Expenses	19,935,997	20,123,835	19,093,893
Annual Surplus	24,306,266	34,101,897	9,089,151
Internal Transfers			
Transfers and principal payments from revenue funds	5,584,821	9,445,633	5,525,630
Transfers from reserves	<u>7,614,277</u>	<u>34,546,849</u>	<u>10,559,077</u>
Increase in capital funds	37,505,364	78,094,379	25,173,858
Capital funds - beginning of the year	<u>860,659,453</u>	<u>860,659,453</u>	<u>835,485,595</u>
Capital funds - end of the year (Note 14)	\$ <u>898,164,817</u>	\$ <u>938,753,832</u>	\$ <u>860,659,453</u>

**City of Maple Ridge
Financial Information Act**

Statement of Severance Agreements for 2015

There was one severance agreement under which payment commenced between the City of Maple Ridge and non-unionized employees during the fiscal year 2015

The agreement represents 12 months of compensation*

*"Compensation" was determined based on salary

Management's Responsibility for Financial Reporting

The information in these financial statements is the responsibility of management. The consolidated financial statements have been prepared in accordance with Canadian Public Sector accounting guidelines as outlined under "Significant Accounting Policies". These include some amounts based on management's best estimates and careful judgment.

Management maintains a system of internal accounting controls to provide reasonable assurance that assets are safeguarded and that transactions are authorized, recorded, and reported properly. Management also administers a program of proper business compliance.

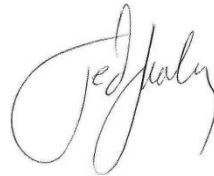
BDO Canada LLP, the Municipality's independent auditors have audited the accompanying financial statements. Their report accompanies this statement.

Council carries out its responsibility for the consolidated financial statements jointly with its Audit and Finance Committee. The Committee meets with management on a scheduled basis and at least semi-annually with BDO Canada LLP to review their activities and to discuss auditing, internal control, accounting policy, and financial reporting matters.

BDO Canada LLP has unrestricted access to the Municipality, the Audit and Finance Committee, and Council. Council approves the consolidated financial statements, the Audit and Finance Committee reviews the recommendations of the independent auditors for improvements to controls and as well as the actions of management to implement such recommendations.



Paul Gill, CGA
General Manager: Corporate & Financial Services



E.C. Swabey
Chief Administrative Officer

**City of Maple Ridge
Financial Information Act**

Statement of Financial Information Approval

The undersigned, as authorized by the Financial Information Regulation, Schedule 1, subsection 9 (3), approves all the statements and schedules included in this Statement of Financial Information produced under the Financial Information Act.



Paul Gill BBA, CPA, CGA
GM Corporate & Financial Services

9-June-2016

Date

TO: Her Worship Mayor Nicole Read
and Members of Council
FROM: Chief Administrative Officer
SUBJECT: 2016 Community Grants

MEETING DATE: 20-June-2016
FILE NO:
MEETING: COW

EXECUTIVE SUMMARY:

The Community Grants policy was adopted in 2013, providing a framework in support of Council's Community Grants Program, with a focus on supporting organizations providing services in Maple Ridge. Council reviewed and confirmed the policy framework in August of 2015 and in April 2016, directed staff to provide a recommendation for the available 2016 funding envelope of \$44,400.

Staff is recommending the grant allocations totaling \$33,000 shown on the attached Schedule "A".

RECOMMENDATION(S):

That the proposed allocation of Community Grants as shown on Schedule "A" of the staff report dated June 20, 2016 titled 2016 Community Grants be approved.

DISCUSSION:

a) Background Context:

The Community Grants Program helps support organizations providing services to our community. Many of these organizations are struggling to find sustainable funding. The funding that we provide offers some assistance. It should be noted that some of these same organizations also apply for, and receive, funding from other municipal programs.

In 2013, Council adopted a Community Grants policy formalizing the eligibility and evaluation criteria used when considering the allocation of the community grants budget. This policy framework was reviewed and confirmed by Council in August of 2015, and on April 18, 2016, Council directed staff to review community grant requests for 2016 and to provide a recommendation to Council for the available funding. This report responds to that direction.

For 2016, the funding envelope available for distribution is \$44,400 and a recommended allocation is attached.

Commentary on the specific applications follows:

The Family Education and Support Centre (FESC) is a multi-service agency that has grown and changed over the years in response to the community's need for services. Their objective is to provide social services to families in need of finding their own answers to challenges with regard to their parenting, mental health, food security, settlement as newcomers and individual personal growth. They are a founding member of the Community Network and serve as host for the Network

coordination funds. In this capacity, the FESC receives annual funding from the City to assist in funding a community network coordinator; in 2016 this amount was \$30,000. This funding is outside of the community grants envelope. In addition to this, FESC is asking for support for two specific initiatives:

1. The Community Kitchen program helps local citizens living below the poverty line learn how to prepare affordable and nutritious meals while also providing a place of social contact and information about community resources. The Community Kitchen applies for funding from other sources, such as the United Way, but requires additional support to operate without service reductions; funding from the City allows the service to continue without interruption. The Community Kitchen has received support from the City since 2010 and in 2015 received \$4,000. A 2016 contribution of \$5,000 is recommended.
2. The Multicultural Women's Group provides a resource for women who have settled in Maple Ridge from other countries, who are socially isolated, unaware of community resources that might be of service to them and in need of support from their peers and the social service community. A 24 week program targets women who are the most isolated in the community and will benefit 6-10 immigrant and/or refugee women by providing them with opportunities to practice speaking English and by providing relevant information about social services available to them in Maple Ridge. The FESC has requested \$5,000 to support this program in 2016 and staff recommends supporting the request. This is the same amount the group received in 2015.

As in other years, the Maple Ridge Lions Club, in conjunction with the Fire Department, plans to host the annual Halloween Fireworks Display. In 2004, Council adopted a bylaw banning the sale or use of fireworks in Maple Ridge. Since that time, the Lions Club has been coordinating this popular community celebration and while some monies may be raised through sponsorship the fireworks display has received municipal support through the Community Grants program since 2006, receiving \$3,000 in 2015. For 2016, a municipal contribution of \$3,000 is recommended.

The Maple Ridge, Pitt Meadows, Katzie, Seniors Network (The Network) has been operating since 2008 with a goal of strengthening the availability and quality of services and resources available to seniors. The Network is requesting a community grant of \$3,000 to support their efforts to implement recommendations in the Age-friendly Communities Action Plan. Staff is recommending support for the request.

The Friends in Need Food Bank helps to provide food to approximately 2,400 people in Maple Ridge. The organization has enjoyed support from the City for many years, not only through the Community Grants Program, but also through the direct efforts of staff fundraising and annual food drives. They have also received funding annually for the past four years from the festivals budget, to support their food drive held in conjunction with the CP Holiday Train. The Friends in Need Food Bank has requested a grant of \$20,000 for 2016; staff is recommending an allocation of \$17,000 which is what was provided last year.

b) Desired Outcome(s):

Organizations, such as those identified on Schedule "A", are increasingly struggling to secure long-term sustainable funding at the same time as the demand for the services they provide is growing. Through the Community Grants program, Council is able to help such organizations continue with the provision of services to the citizens of Maple Ridge.

c) Business Plan/Financial Implications:

The distribution of Community Grants proposed on the attached "Schedule A" allocates \$33,000 to various community groups.

d) Alternatives:

Council could choose not to distribute any grants but as that decision may jeopardize the ability of various organizations to continue providing necessary services that is not recommended.

CONCLUSIONS:

The provision of grants to local organizations benefits the citizens of Maple Ridge. The distribution proposed on Schedule "A" attempts to allocate the limited resources to provide benefit to the community.

'Original signed by Catherine Nolan'

Prepared by: Catherine Nolan, CPA, CGA
Manager of Accounting

"Original signed by Kelly Swift"

Approved by: Kelly Swift
GM, Community Development, Park & Recreation

"Original signed by Paul Gill"

Approved by: Paul Gill, CPA, CGA
GM, Corporate and Financial Services

"Original signed by E.C. Swabey"

Concurrence: **E.C. Swabey**
Chief Administrative Officer

Community Grants – 2016			
Organization	Request	Recommendation	Purpose
Family Education and Support Centre (Community Kitchens)	\$ 5,000	\$ 5,000	To assist the organization with their Community Kitchens program.
Family Education and Support Centre (Multicultural Women's Group)	5,000	5,000	To support immigrant and/or refugee women in the community
Fireworks Display (Maple Ridge Lions club)	3,000	3,000	Support for the annual Halloween Fireworks Display
Friends in Need Food Bank	20,000	17,000	To assist with the operational costs of the food bank
Maple Ridge, Pitt Meadows, Katzie, Seniors Network	3,000	3,000	Support for implementing recommendations in the Age-friendly Communities Action Plan
Totals	\$36,000	\$33,000	

City of Maple Ridge

TO: Her Worship Mayor Nicole Read
and Members of Council
FROM: Chief Administrative Officer
SUBJECT: Bid to Host the BC Summer Games 2020 or 2022

MEETING DATE: June 20, 2016
FILE NO:
MEETING: COW

EXECUTIVE SUMMARY:

An invitation to bid on BC Summer Games in either 2020 or 2022 was reviewed by the Maple Ridge and Pitt Meadows Parks and Leisure Services Commission at their meeting on June 9, 2016.

Commission members were excited to see this recommendation and spoke to the benefits derived from the community members coming together to host this type of event. A number of Commission members were involved in hosting games in the past in our community and others and felt that involvement had been a privilege. Commission members saw this opportunity as bringing sports and arts together.

Commission also discussed the option to bid only on the 2022 Summer Games to allow a 6 year window in the event that either community acquire new facilities that might be showcased at an event to this size.

The Commission is forwarding the following recommendation to Council for consideration. The same request has also been forwarded to the City of Pitt Meadows.

RECOMMENDATION:

That staff prepare a bid to host the 2020 or 2022 BC Summer Games, noting that the bid submission is subject to endorsement by School District No. 42; AND,

That a one time municipal budget commitment of \$45,000 in cash, and a minimum of \$50,000 of in-kind support, namely in staff resources and use of municipal facilities required to host the Games, be shared proportionately according to the agreement between the City of Maple Ridge and the City of Pitt Meadows.

“Original signed by Wendy McCormick”

Prepared by: Wendy McCormick, Director of Recreation

“Original signed by Kelly Swift”

Approved by: Kelly Swift, General Manager, Community Development
Parks & Recreation Services

“Original signed by E.C. Swabey”

Concurrence: **E.C. Swabey**
Chief Administrative Officer



Our File: 4020-20

February 1, 2016

Her Worship Mayor Nicole Read
District of Maple Ridge
11995 Haney Place
Maple Ridge BC V2X 6A9

Dear Mayor Read:

It is with great pleasure that the BC Games Society, on behalf of the Province of BC and the Ministry of Community, Sport and Cultural Development, invite your community to bid to host one of the following premier events in BC sport.

Bids are now being accepted for the:

2020 BC Winter Games
2022 BC Winter Games

2020 BC Summer Games
2022 BC Summer Games

This comprehensive, easy to complete Bid Package will provide your community with details on all aspects related to a successful bid. Cities and regions which have hosted the BC Winter or BC Summer Games in the past will agree these events are about community and opportunity.

Submissions, based upon the requirements in the attached Bid Package, will be accepted by the BC Games Society until September 10, 2016.

All submissions will be reviewed by the BC Games Society Bid Evaluation Committee, which will forward their recommendations to the society's Board of Directors. It is anticipated winning communities will be announced by the Minister responsible for Sport in late fall 2016.

While there will be two bid meetings held for interested cities in April and July, any questions prior to those meetings can be directed to Mr. Kelly Mann at 250.387.1375.

Thank you for considering the BC Winter and BC Summer Games as an opportunity for your community and region. We wish you the very best for a successful bid.

Sincerely,

Byron McCorkell
Chair, BC Games Society

Kelly Mann
President and CEO

Encl.

SUBJECT: BID TO HOST THE BC SUMMER GAMES 2020 OR 2022

EXECUTIVE SUMMARY:

Parks and Leisure Services is seeking Council support to submit a bid to host the 2020 or 2022 BC Summer Games. The BC Games is a tremendous opportunity for Maple Ridge and Pitt Meadows and the development of amateur sport. The BC Games also offers the opportunity for citizens to engage volunteerism within their communities.

RECOMMENDATION:

That a recommendation be forwarded to Maple Ridge and Pitt Meadows Councils that staff prepare a bid to host the 2020 or 2022 BC Summer Games, noting that the bid submission is subject to endorsement by School District No. 42; AND,

That a one time municipal budget commitment of \$45,000 in cash, and a minimum of \$50,000 of in-kind support, namely in staff resources and use of municipal facilities required to host the Games, be shared proportionately according to the agreement between the City of Maple Ridge and the City of Pitt Meadows.

DISCUSSION:

a) Background Context:

Both Maple Ridge and Pitt Meadows Mayors have received letters from the BC Games Society asking that our communities consider hosting the 2020 or 2022 BC Summer Games.

The BC Games were initiated by the Government of BC in 1977. Since that time, the BC Games have played an important part in the development of amateur sport involving athletes, coaches, officials, and communities in British Columbia. In the past, Maple Ridge hosted the BC Summer Games in 1983 and Maple Ridge and Pitt Meadows hosted the BC Summer Games in 1998 with great success.

The BC Games supports participation of approximately 3,700 athletes in 20 different core sports. The process of hosting the games is a unique opportunity for citizens of all backgrounds to come together, express a shared sense of achievement, and celebrate what is great about our communities.

Hosting a provincial event of this stature exposes participants to the local areas and draws attention to the community as a great place to live and invest. Maple Ridge and Pitt Meadows has the capacity to host all of the Summer Game sports within our existing parks and facilities with the exception of the diving and sailing events. In preparing the bid, staff would seek partnerships with our neighbour the City of Port Moody to host a sailing event at Rocky Point Park.

b) Desired Outcome:

That Maple Ridge and Pitt Meadows co-host the 2020 or 2022 BC Summer Games. Legacy from the BC Games include facility upgrades, local and provincial sport, athlete, coach and official development, volunteer skill development, enhanced community cohesion and pride, and financial legacies realized through local fundraising efforts.

c) Strategic Alignment:

Hosting the BC Summer Games would demonstrate the values of Collaborative, Connected and Energized.

d) Citizen/Customer Implications:

To stage a successful BC Summer Games, the Host Society Board of Directors will recruit, train, and direct the efforts of approximately 3,500 community volunteers. Facilities will be designated for the accreditation centre, dining, and ceremonies during the four day event. Indoor and outdoor venues will be used to accommodate a variety of different sports. Hosting the games will create a strong synergy between the sports community, local business and our residents that will last for generations.

e) Business Plan/Financial Implications:

A local commitment of funding in the amount of \$45,000 and a minimum of \$50,000 additional in-kind services and facilities will be required to host the Games. The BC Games Society provides the Host Community \$600,000 to operate the Games, which includes the hiring of one full time Operations Manager (9 month duration).

At the conclusion of the BC Games, a financial legacy is left in each Host Community that is comprised of profits from souvenir sales, interest earned on grants from the BC Games Society, and a percentage of the savings from the Host Society operating budget. In the past four BC Summer Games this has been approximately \$175,000.

f) Alternatives:

Decline the invitation to bid on hosting the 2020 or 2022 BC Summer Games and look for opportunities in the future.

CONCLUSIONS:

Our citizens have demonstrated a strong commitment to volunteerism and the BC Summer Games offers the perfect opportunity to engage people in volunteering. The benefits derived from hosting events have been enjoyed by both Maple Ridge and Pitt Meadows during the 1998 BC Summer Games, the 2009 Games for the Physically Disabled, and the 2010 Olympic Torch Relay where citizens of all backgrounds came together to celebrate and showcase their pride in our communities.

“Original signed by Wendy McCormick”

Prepared By: Wendy McCormick
Director, Recreation and Community Services

“Original signed by Kelly Swift”

Approved By: Kelly Swift
General Manager, Community Development
Parks & Recreation Services

City of Maple Ridge

TO: Her Worship Mayor Nicole Read
and Members of Council
FROM: Chief Administrative Officer
SUBJECT: Sport and Physical Activity Strategy

MEETING DATE: June 20, 2016
FILE NO:
MEETING: COW

EXECUTIVE SUMMARY:

The final Sport and Physical Activity Strategy document was reviewed by the Maple Ridge and Pitt Meadows Parks and Leisure Services Commission at their meeting on June 9, 2016. Although the Joint Leisure Services Agreement will conclude later this year, the strategy is relevant to both communities, and each City can proceed with implementation in an independent manner.

Commission has forwarded the following recommendation to Maple Ridge Council for consideration and the same request has also been forwarded to the City of Pitt Meadows.

RECOMMENDATION:

That the Sport and Physical Activity Strategy be endorsed.

"Original signed by Kelly Swift"

Approved by: Kelly Swift, General Manager, Community Development
Parks & Recreation Services

"Original signed by Frank Quinn"

Concurrence: E.C. Swabey
Chief Administrative Officer

SUBJECT: SPORT AND PHYSICAL ACTIVITY STRATEGY

EXECUTIVE SUMMARY:

The Maple Ridge Pitt Meadows Sport and Physical Activity Strategy was developed with various community sport leaders in a collaborative, engaging communication process. Recognizing sport is largely delivered through local sport organizations, both formal and informal, non-profit groups, private business, schools and educators, and through the municipal recreation department, drawing on all of these sectors formed the foundation of the team that contributed to the development of the strategy. Sport plays a vital role in building social capital, connected community networks and life long relationships.

Numerous sport champions were involved in various stages of the strategy and it was their commitment to open communication, collaboration and the desire to be involved in the creation of a collective plan that enabled the strategy to evolve. It is with these groups that the commitment to continue with the passion and momentum that the strategy goals and actions will come to life.

RECOMMENDATION:

That the Sport and Physical Activity Strategy be forwarded to Maple Ridge and Pitt Meadows Council for endorsement.

DISCUSSION:

a) Background Context:

Collaborative efforts with the sport community, such as the Sport and Recreation Expo and Kidsport, brought to the forefront the great benefit of a coordinated approach in celebrating and advancing sport in our community. Through these events, initial discussions with sport organizations provided an opportunity to have further dialogue on the factors that contributed to successes and where improvements were necessary for continued and sustainable progress of community sport and physical activity groups. Discussions focused on building capacity within sport and supporting a collaborative voice for sport through a collective approach. Through these discussions the benefits of creating a shared vision and framework for the future of sport in our community came to life.

Staff sought opportunities to engage sport associations and clubs, school district representatives and participants and volunteers to gain a thorough understanding of their sport experiences, challenges, opportunities and successes. The feedback was heard through a variety of means such as PLS hosted physical literacy and special events, meetings with club executives, electronic surveys and face to face conversations that took place over a 2 year time frame.

Common themes emerged among the sport groups that further solidified the opportunity to discuss how best to respond to shared issues. With growing concerns of the physical inactivity of children and youth, the development of the strategy was the vehicle to bring sport, schools and health together to begin planning how collectively sectors can support life long participation in sport and recreational activities. The sport strategy will provide the basis of building a healthy community where citizens are encouraged to maintain a healthy and active lifestyle through lifelong participation in sport and recreational activities.

b) Desired Outcome:

To create a community driven framework to guide collaborative efforts and shared decision making in the promotion, education and development of sport and physical activity opportunities in our communities and where physical activity is upheld as being essential to quality of life and a healthy and active community.

c) Strategic Alignment:

Coordinated approaches and partnerships in the development of physical literacy between municipal recreation, the sport delivery system, schools and health will provide a broad range of opportunities for community to be physically literate and remain physically active. This is good for the health and well-being of residents in pursuit of a safe, healthy and livable community.

This initiative aligns with Council's strategic direction of a Safe and Livable Community by supporting sport, and improving community health and wellness and promoting innovative, sustainable, social and physically active opportunities for people of all ages and abilities. As well, local sport is largely maintained by the contributions of volunteers and the strategy recognizes the importance of supporting volunteer capacity building within the community sport sector.

d) Citizen/Customer Implications:

The strategy focuses on the belief that sport builds community, supports social development, improves physical literacy and provides a means to developing and maintaining a healthy community. The strategy will provide those involved in sport an understanding of how cooperative approaches and a shared framework to programming will strengthen and advance a healthy and active community.

e) Business Plan/Financial Implications:

The strategy is not currently funded however components of the strategy may incur costs that will be managed through master planning dollars, operational budgets and the potential to align facility related actions to larger projects. There are no funds attached to the implementation of the strategy other than in-kind support provided Parks and Leisure staff.

f) Policy Implications:

This recommendation is consistent with the Sport and Physical Activity Policy P129, whereas the Parks and Leisure Services Commission values and celebrates sport and physical activity as an integral component in a healthy and active community, essential to quality of life.

CONCLUSIONS:

The Sport and Physical Activity Strategy was developed to create a collaborative vision and action plan for sport and physical activity that supports lifelong participation and subsequently

improves the health and wellness of our citizens. In doing this, the strategy will provide a framework to enhance sport capacity and foster alignment and collaboration between sport, recreation, school and health sectors. This foundation will empower the sport sector to further develop local sport and increase physical literacy in our communities through actionable outcomes based on the Sport and Physical Activity policy and strategy and will have a positive impact on children, families and individuals in the community, as well as on overall community health.

“Original signed by Yvonne Chui for”

Prepared By: Christa Balatti, Recreation Manager
Health & Wellness

“Original signed by Wendy McCormick”

Reviewed By: Wendy McCormick
Director of Recreation

“Original signed by Kelly Swift”

Approved By: Kelly Swift
General Manager, Community
Development, Parks & Recreation Services

:cb

Attachments:

Sport and Physical Activity P129

Maple Ridge & Pitt Meadows Sport & Physical Activity Strategy

A photograph of two men in a gymnasium, both with their arms raised in the air, suggesting a celebratory or active moment. The background is blurred, showing other people and gym equipment. A large blue diagonal graphic element is overlaid on the right side of the image.

Maple Ridge & Pitt Meadows

SPORT & PHYSICAL ACTIVITY STRATEGY

2016 - 2021





Contents

Acknowledgments	3
Executive Summary	4
Setting the Stage - Introduction	8
Anticipated Outcomes	14
Background	16
Priority Goal Statements	22
The Game Plan	24
Priority Goals	26





Acknowledgments

Maple Ridge Pitt Meadows Parks and Leisure Services would like to acknowledge and appreciate the numerous individuals who contributed to the development of this document.

- School District 42
- Fraser Health
- Pacific Sport Fraser Valley
- Ridge Meadows Minor Baseball
- Ridge Meadows Minor Hockey
- Bateson Martial Arts
- Ridge Meadows Minor Lacrosse
- Albion Football Club
- Haney Neptunes Swim Club
- Maple Ridge/Pitt Meadows HUB (bicycling)
- Ridge Meadows Bruins Rugby Club
- Speedminton Club
- West Coast Football Club
- Revolution Basketball
- Pitt Meadows Paddling Club
- Pickleball Representatives
- Haney Seahorses Swim Club
- Maple Ridge Squash Club
- Golden Ears Physiotherapy
- Pitt Meadows Arena

Among others that participated in on-line research survey's, community conversations and shared their passion for sport.

The Community Development, Parks and Recreation Department's, Health and Wellness Staff facilitated the research and development of the City of Maple Ridge's Sport and Physical Activity Policy and contributed tremendously to this Strategy.



Executive Summary

The City's of Maple Ridge and Pitt Meadows is deeply rooted in sport participation and excellence. Situated between majestic mountains, rivers and lakes, and having numerous parks, trails, sports fields and indoor facilities, there are numerous opportunities to participate in activity.

With over 80 organized Sport Clubs (profit and non-profit) in the community, emerging and well established sport organizations abound as is evident when one enters the bustling arenas, gymnasiums, fields, sport boxes, courts and pools throughout the year. These locations become much more than just a playing surface; it is where children often score their first goal, where parents and caregivers can socially connect and share stories, and where coaches guide and mentor youth, instilling confidence, teamwork and commitment to our youngest residents. Sport helps build strong, connected communities where participation and fun are the ultimate outcome.

The Maple Ridge and Pitt Meadows Sport and Physical Activity Strategy ("the strategy") was developed to create a roadmap for discussion, action and change; taking sport to that 'next level' and to continue the dialogue of prioritizing health and activity as paramount in community well being. The development included community sport leaders in a collaborative, engaging consultation process that was rooted in community development principles. Recognizing community sport is largely delivered by way of local sport organizations (both formal and informal), schools, non-profit groups, private business, engaged and passionate citizens, and educators and through the municipal recreation department, drawing on these sectors formed the foundation of the team that contributed to the strategy. As was evident in this process, sport plays a vital role in building social capital, connected community networks and life-long relationships.

These sport, health and education sec-



tors together align to create a participation continuum where residents of all ages may participate in sport or be physically active throughout their lifespan and becoming ACTIVE FOR LIFE. According to the 2014 Active Healthy Kids Report card 75% of kids ages 5-19 participate in organized physical activity or sport.* However this same report notes participation in organized physical activities and sport is notably lower among girls, children and youth with a disability and those with a low household income. An outcome of this strategy is to identify and address barriers and continue to provide opportunities for every resident to be physically active.

The implementation of the strategy will rely on the foundation of which it was built. It acknowledges that community leaders, School District 42, local health agencies, physical activity advocate agencies and the Parks and Recreation Department will drive the actions forward and this living document will be updated as new commitments, initiatives and

partnerships are developed.

Existing relationships both new and long standing formed the foundation of the development of a steering committee that initiated the process with the development of the strategy vision:

VISION Statement:

For present and future sport and physical activity: Maple Ridge will strengthen our community by providing lifelong sport and physical activity opportunities so that all residents may experience the joy of participating in sport, and achieve their full potential in the areas of sport skill development, excellence and sport leadership.

 Footnote: 2014 Active Healthy Kids Canada – Report Card of Physical Activity for Children and Youth <http://www.participaction.com/report-card-2105>





7 Goals

Goal # 1

Strengthen interaction between sport delivery agencies

Goal # 2

Enhance Physical Literacy (Fundamental Movement Skills)

Goal # 3

Quality Facilities for Participation and Performance

Goal # 4

Leadership and Community Involvement

Goal # 5

Accountability

Goal # 6

Inclusion and Diversity

Goal # 7

Communication

The commitment to open communication, collaboration and the desire to be involved in the creation of a collective plan to support sport and physical activity resulted in numerous sport champions having involvement in various stages of the creation of this document. It is with these groups and the commitment to continue with the passion and momentum that the strategy goals and actions will come to life.

The Maple Ridge Pitt Meadows Sport and Physical Activity Strategy consist of seven priority goal statements that guide the overall direction of the strategy. The 7 goals are:

Under each goal statement a number of specific actions are included and sport sector and agency leads identified. The leads will require support and involvement from local sport organizations, school representatives and other interested community residents to address the action that supports the goal statement.

The Sport and Physical Activity Strategy was developed to create a coordinated vision for sport and physical activity to support life long participation for increasing the health and wellness of community. In doing this, the strategy will enhance capacity and foster alignment and collaboration between sport and recreation and empower the sport sector to advance local sport in our communities.



Setting the Stage - Introduction

Citizens residing in Maple Ridge and Pitt Meadows are active and participate in sport and physical activity with 97% of residents using at least one recreation service or facility at least once per year and where the majority of residents participating in physical activity to stay healthy and fit.*

The cities provide an extraordinary backdrop to sport and recreation participation opportunities and many value the benefits that activity brings to quality of life. This is reflected in Maple Ridge' Strategic Focus Area which identifies the important goal of creating "a safe, livable and sustainable community for our present and future citizens."

A similar belief is mirrored in the Pitt Meadows mission: To maintain a liveable community that provides a wide range of opportunities for individual and corporate citizens to thrive in a sustainable manner.

The Sport and Physical Activity Strategy's Vi-

sion and Priority Goals provides a framework to support opportunities for residents to be engaged, active and provide life skills that is crucial to healthy development and wellness throughout ones life.

Physical activity is a key determinant of health status and is essential to personal health and quality of life. Municipal recreation by way of various facilities, parks, trails, programs and services provides affordable and accessible opportunities that can positively impact the health and well-being of residents, especially vulnerable sectors that may not otherwise have an opportunity to participate. The same principles apply to organized and informal sport where sport participation can provide the glue for social connectedness and foster a sense of 'we' and belonging. These factors along with physical activity provided by education institutions, influenced the development of the strategy. Regardless of culture, economic status and physical ability, as identified in focus groups



sessions, the shared goals for these sectors is to increase participation for residents to become and stay active and healthy throughout their lives.

The Governor General of Canada proclaimed “2015 – The Year of Sport in Canada.” The theme; Canada: A Leading Sport Nation. This proclamation and the value placed on the power of sport and participation is truly the essence of the Sport and Physical Activity Strategy.

The strategy was developed using a multi-sectoral approach and those involved created a process that values the underlying importance and positive impact of being physically literate and actively engaged building strong families and healthy communities.

Municipal recreation has always played a significant role in the continuum of sport and active participation. Parks and Recreation Departments will often be the first provider

of initial experiences with sport through early skill development. It is at these “Learn To” or introductory level programs that the child plays, has fun, gains confidence, and become familiar with how their bodies can move as they participate in physical activity.

From here children may enter into community based sport associations, or continue their journey being active and physically literate by running, jumping and throwing on their own and later as they enter the education system. The link therefore between municipal recreation, sport associations and schools is already somewhat connected. Recreation has a role to support sport in both the community level and within the schools as kids transition to community or school sport programs. It is however at this junction that the three, with similar goals and outcomes, unintentionally diverge. The strategy is intended to foster collaboration between these sectors and continue the partnerships on the delivery of sport and physical activity to children and youth as they intertwine between school sports participation, community sport participation and eventually remain active into adulthood.

Recreation also support sport through providing facilities (pools, gymnasiums, arenas, fields, multi purpose spaces), parks and trails, coaching and volunteer training, assistance with special event hosting, expertise sharing, grant applications and allocations and facility booking/joint use agreements.

 **2014 Sentis Market Research Inc. Parks and Leisure Services Survey.*



How We Got Here

Over the past few years, numerous community leaders championed initiatives that have benefited and continue to support sport in Maple Ridge and Pitt Meadows. With the announcement of Vancouver – Whistler's bid to host the 2010 Olympics, the spark was ignited locally to celebrate the power of sport in our own backyard. Maple Ridge and Pitt Meadows hosted their own celebratory events at Game time, renewing a sense of energy and pride for sport and volunteerism within the community.

This vibrancy continued well into 2011 with a cohort of sport advocates aligned with the British Columbia Kidsport Association to create a local Kids Sport Chapter in our area. Backed by staggering statistic that 1 in 3 Canadian children cannot afford to 'get in the game,' Kids Sport continues to provide monetary support to children and youth where financial limitations are a barrier to participation. Because of compassionate volunteers that strongly believed that all children should

be afforded the opportunity to play, Kidsport Maple Ridge / Pitt Meadows quickly became and remains a successful funding body within the community.

Maple Ridge and Pitt Meadows are fortunate to have a Canadian Tire Jumpstart Chapter that provides financial support to children and youth who cannot afford the costs associated with sport, recreation and active programs. Thanks to the generosity of the local Canadian Tire, and affiliated businesses, on average, 500 children and youth per year received financial assistance so as to remain involved and connected to sport in their communities.

These examples are indicative of how the community values the importance of sport in a child's life and the firm belief that participation is more than just 'being on a team.' That being connected to a sport team or association fosters not only physical literacy and healthy habits in young people that will



carry them through to adulthood, but as well, provides an environment where leadership skills, social connections for both player and parents are built, and confidence and self esteem develops.

With the success of Kidsport, volunteer energies shifted to creating an event to provide information to parents and families of the numerous sports available to play in Maple Ridge and Pitt Meadows. With this idea, the Maple Ridge Pitt Meadows Sports and Recreation Expo came to life. The interactive event showcased sport, recreation, and sport funding organizations in the Maple Ridge and Pitt Meadows area and provided a range of activities for all ages to experience. This grassroots event became a platform for discussions with participating sport groups to share their strengths, challenges and opportunities and with the conversations emerged the realization and desire for greater community sport collaboration.

The Expo embraced new themes each year and in 2012, the theme was Physical Literacy, a relatively unknown term in local sport language. The event drew a dynamic speaker from then, Vancouver 2010 Legacies Now, who spoke on the underlying principles of

Physical Literacy and Active for Life, both components of the Canadian Sport for Life Principles. (See Appendix A)

Physical literacy is the motivation, confidence, physical competence, knowledge and understanding to value and take responsibility for engagement in physical activities for life. International Physical Literacy Association, May, 2014

In 2013, another well-respected key note speaker from Legacies Now, delivered a message, speaking to those in attendance about “getting people working together.” His message centred on the importance of collaboration and the strength in numbers when pursuing improvements or change movements in sport. The Sport and Recreation Expo proved to be a vehicle to build relationships and gain a better understanding of sport stakeholders all of which are local sport groups, the volunteers within those groups and the participants of sport and physical activity in our community.

Consistent with the practice of collaboration, information was collected from champions within a variety of sports and preliminary research focused on building capacity and developing a process to work together towards common goals at the grassroots level. It was at this time the benefits of working together for a shared plan become clearly evident. Why Develop a Sport and Physical Activity Strategy?





Why Develop a Sport & Physical Activity Strategy?

The Sport and Physical Activity Strategy is a means to guide and provide a reference tool for the recreation departments, sport and community groups and school district, and work together towards common goals to the benefit of a healthy and active community. The strategy will provide the basis of building a healthy community where citizens are encouraged to maintain a healthy and active lifestyle through life-long participation in sport and recreational activities.

The strategy is intended to identify short

term and long term goals which was developed with the community but will be facilitated and led by staff in the Parks and Leisure Department. The Priority Goal Statement and subsequent Action Plan will require a network of community residents representing sport and physical activity groups, clubs or agencies who will collaborate and engage their own groups in the completion of the actions. This will require a commitment to the shared vision and direction set forth in the strategy, relationship building but most of all for continued advocacy for sport and active living.





Anticipated Outcomes

Understanding groups capacities and abilities for involvement in a collaborative network now or in the future.

In 2010, Maple Ridge Pitt Meadows Parks and Leisure Services Commission endorsed the Parks, Recreation and Culture Master Plan. This strategic planning document involved extensive research and analysis and continues to serve as an important guide to identifying priorities in the community. The development of the strategy is a recommendation related to service delivery and programming within the PRC Master Plan. The importance and value to strengthening community capacity building, group development and delivering sport and physical activity through a network approach aligns with the Parks and Leisure long range plans for continuous improvement and growth.

The strategy and the actions embedded within each priority goal statement are anticipated to produce tangible outcomes that will further the physical activity movement and sport development. Some of these outcomes include:

- Enhanced working relationships between recreation, education, sport and health. Development of short term and long term community goals based on shared collective actions.
- Increase in sport and physical activity participation and program and services inclusivity and accessibility.

- Commitment to coordinated and sustainable approaches in utilizing shared resources; find links and common themes between the groups.

Adoption and endorsement of Canadian Sport for Life and the Long Term Athlete Development Framework within local sport governance.

- Development of a Sport Network; local sport organizations that advocate, share best practices and advise on the advancement of sport and physical activity.

Supporting engagement in enhanced planning of new facilities, programs, services and partnerships.

- Providing a vehicle for supporting new, expanding and emerging sport organizations and understanding and addressing sport needs, gaps and successes.

Fostering community leadership and capacity. Greater shared understanding of Active for Life Principles through the process of network development and enhanced collaboration; Ultimately speaking the same AFL language.

- Greater global understanding of physical literacy by the community.

- Supporting and providing the ability for residents to be active and healthy through improved health and wellbeing.



Background

Throughout the development of the Sport and Physical Activity Strategy, reference was made to key best practice research and guiding complimentary frameworks on sport, community health and physical activity. The Canadian Sport Policy sets the national expectations on promotion and celebration of sport participation and excellence that includes values such as fun, commitment, personal development, accessibility and respect and fair play. As is relevant at all levels of government, the policy notes efforts must be made to increase collaboration amongst federal and provincial government towards the Canadian Sport Policy goals:

1. Introduction to sport
2. Recreational Sport
3. Competitive Sport
4. High Performance sport
5. Sport for Development

The policy goals and outcomes are a framework for the development of action plans at various levels, and was influential at a local level in the Sport and Physical Activity Strategy whereas improved health and wellness and participation is a combined desired outcome both nationally and locally.

The Canadian Sport for Life model aims to improve the quality of sport and physical activity in Canada.* Within the model are focuses to accomplish the goal, which include physical literacy, long term athlete development and active for life.

Physical Literacy a key component of the strategy as competence in movement provides the individual with the ability to confidently navigate ones world. Physical literacy is learned and strengthened through sport and through non-sport activities such as recreational play both structured and unstructured, hence its value and tie with other service partners such as schools (through



physical education) childcare centres and other community based recreation groups. Physical skills learned can be transferred to multiple environments throughout ones lifetime and provides the basis for an individual to have be active for life through lifelong participation in sport and physical activity.

The idea of leading an active lifestyle outside of sport is identified within this document as Physical Activity. Sport alone does not define how every resident in Maple Ridge and Pitt Meadows choses to be active. For some, the word 'sport' may be a barrier in itself for engagement. Therefore it's not important that every person participates in sport, but rather every person participates in some sort of physical activity.

The strategy itself will support long term athlete development, although does not specifically include defined goals to enhance athletic excellence. Rather, fundamental movement skills which are building blocks to any mas-

tery of a physical movement, hence, physical literacy and will support the broader strategy and goals of improved physical literacy and participation. * canadiansportforlife.ca

The Maple Ridge Pitt Meadows Parks and Leisure Services Sport and Physical Activity Policy provides clear direction on the philosophy of working together for the advancement of sport and activity in our communities.

Policy Vision:

The Commission values and celebrates sport and physical activity as an integral component in a healthy and active community, essential to quality of life.

Participation in sport is increased by strengthening sport and community partnerships, and committing to coordinated and cooperative approaches in identifying common interests, goals and challenges in the provision of quality sport and physical activity opportunities.



Guiding Principles

The following principles support Commission's vision and provides a framework for Parks and Leisure Services to work collaboratively with new, forming and established Community Groups in the growth of physical activity and sport in Maple Ridge and Pitt Meadows.

We believe:

1. All children and youth should have the opportunity to access affordable sport and recreation in their community.
2. In providing inclusive, accessible and life long opportunities for sport participation in the health and well being of residents.
3. All residents should be provided a variety of physical literacy competency opportunities towards being active for life.
4. In enhancing working relationships and partnerships between recreation, education, sport, health, transportation and tourism.
5. Collaboration and sharing knowledge and expertise benefits the development of quality sport in the community.
6. In recognizing the relationship and mutual benefit between sport, community and business stakeholders.

The purpose of the strategy is to identify issues, pressures and opportunities within the community sport delivery model recognizing the role municipal recreation plays in supporting and improving community health and physical activity. These components were identified through sport group consultations.

The strategy is intended to be a five year working document, that will provide a longer term vision of sport and physical activity, yet recognizes the need to be flexible to allow for refocusing as needed, in response to community trends, best practices and industry standards



Sport Group Findings

Key themes emerged:

Strengths and Opportunities

- Volunteer and coaches recruitment going well for some, but succession planning continues to be top of mind for organizations with long-term volunteers
- Desire for increased collaboration and communication
- Build on groups promotional tools to increase awareness and further grow the sport
- Strengthen promotions, branding, and awareness campaigns on volunteer commitments and administration responsibilities
- Groups looking for accessible and affordable community based coaches training
- Established code of conduct and best practices for coaches
- Mentorship opportunities such as player to coach continuum

- Opportunities to learn from each other, use expertise, learn from experience, share resources
- KidSport and Jumpstart funding avenues
- Already an existence of organized networks: Field Allocation Users, Field Sports Association, Ice Allocation, Sport and Recreation Expo Committee
- Tremendous expertise and willingness to transfer knowledge within the community and individual sport associations
- Some sport groups have a long history within the community and deepened pride within the organization.
- Continues to be a committed and engaged volunteer base. Strong leadership exists within many groups
- Many groups believe sport involvement for all involved is all about fun, health, friendship and social connections.
- Sport associations value the confidence building, skill development, spirit, sportsmanship, competition, teamwork that comes with involvement in sport
- Belief that sport is building self-esteem, confidence, integrity, honesty, respect in children and youth
- Membership continues to grow in some groups
- Technical skills and passion evident in coaches
- Understanding that sport builds a strong sense of community
- Focus on player development and contributing to high level athletics





Challenges & Growth Areas

- Physical literacy education and awareness. Canadian Sport for Life principles still fairly unknown.
- Need to address burn out of highly committed and engaged volunteers
- Feeling of a lack of volunteer engagement
- Perceived lack of facilities for individual sport needs and desires
- Feeling of a threat to loss of existing facilities due to growth of other sports
- Sport specialization at a young age
- Lack of physical activity. Kids not developing fundamental movement skills and children entering programs can lack basic movement skills
- Feeling of a lack of qualified volunteer coaches; passionate parents taking roles above skills level to support registration numbers in the sport
- Groups seeking support in developing programs. Looking to other for expertise
- Player retention; youth may drop out due to bad experiences, not fun, too much pressure to succeed
- Assistance required for promotion and increased awareness of some sports
- Lack of large enough facilities to host flagship tournaments in one place
- Facility (fields) availability continues to be challenge due to growth of field sports
- Programming in areas to support the sport i.e youth introduction to specific sport ie. learn to skate for older age groups
- Continue to improve collaboration between sport groups – work together; meetings on best usage; meetings for input on upgrades to facilities; improved communication and relationships
- Understanding groups capacities and abilities for involvement in a collaborative network now or in the future. Build relationships and lay the foundation for collaboration





Priority Goal Statements

The Maple Ridge Sport and Physical Activity Strategy consists of seven priority goal statements that guide the overall direction of the strategy.

Priority Goal # 1

Strengthen interaction between sport delivery agencies

- Maple Ridge and Pitt Meadows is a model of cooperation and collaboration amongst government and non-governmental organizations in the delivery of sport in the community.

Priority Goal # 2

Enhance Physical Literacy (Fundamental Movement Skills)

- Every individual in Maple Ridge and Pitt Meadows, regardless of age, will be physically literate and have the fundamental movement & sport performance skills to enjoy sport & physical activity, to the best of their ability.

Priority Goal # 3

Quality Facilities for Participation and Performance

- There will be an adequate number and quality of sport facilities to support expanding participation and ability to host sport events.

Priority Goal # 4

Leadership and Community Involvement

- Maple Ridge and Pitt Meadows will have sufficient number and quality of volunteers and staff who are skilled in coaching, officiating and administering the sport system.

Priority Goal # 5

Accountability

- Maple Ridge and Pitt Meadows Parks and Leisure Services staff will monitor and report back to Parks and Leisure Services Commission and other key stakeholders on the Sport Strategy goals and actions.

Priority Goal # 6

Inclusion and Diversity

- Maple Ridge and Pitt Meadows provides opportunities for all residents to access affordable sport and recreation activities, and is recognized for its inclusivity of people with disabilities, visible minorities and financial challenges

Priority Goal # 7

Communication

- Citizens of Maple Ridge and Pitt Meadows are aware of and understand the key benefits of participation in sport and physical activity.





The Game Plan

"Maple Ridge and Pitt Meadows will strengthen our community by providing lifelong sport and physical activity opportunities so that all residents may experience the joy of participating in sport, and achieve their full potential in the areas of sport skill development, excellence and sport leadership."

The following Sport Strategy Implementation Plan encompasses the prioritized strategic goals and actions and identifies the community sport stakeholders, physical activity and health agencies among other champions that will be responsible for delivering the actions within the recommended timelines. The actions identified in the plan can be achieved through participation of local sport associations and their board members, volunteers and parents and participants, key representatives from School District 42, PacificSport Fraser Valley, Parks and Leisure staff.

Items requiring funding will be identified and determined how best to support with a potential to utilize City capital reserves, Parks,

Recreation and Culture Master Plan growth funding, grants and sponsorship funding. The implementation solidifies the community's investment in sport and physical activity.

Glossary of Abbreviations:

Sport Network - Proposed organization comprised of community groups and agencies who provide sport, physical activity or health programs or services in Maple Ridge/Pitt Meadows

LSO'S – Local Sport Organizations
PacificSport –PacificSport Fraser Valley

PLS - Maple Ridge Pitt Meadows Parks and Leisure Services



Priority Goal #1 - Strengthen interaction between sport delivery agencies.

Maple Ridge and Pitt Meadows is a model of cooperation and collaboration amongst government and non-governmental organizations in the delivery of sport in the community.

ACTIONS		STAKEHOLDERS	TIMELINE
1.1	Develop and facilitate lectures and workshops for community sport groups and educators that focus on the development of physical literacy, coaching certification programs and other sport related training. Other sport leadership development workshops may include volunteer management, non-profit board development, sponsorship and fundraising	Sport Network Parks and Leisure Local Sport Organizations School District 42 Regional Sport Advocate Agencies	November 2016
1.2	Create mechanisms and opportunities for community sport groups to mobilize and share information and best practices, techniques and resources in areas such as multi-sport technical leadership, biomechanics, sport physiology, training methods etc.	Sport Network Parks and Leisure Local Sport Organizations Regional Sport Advocate Agencies	April 2017
1.3	Develop an integrated approach for community sport groups to focus effort and resources on physical literacy, fundamental movement skills and technical sport skill development for children and youth.	Sport Network Parks and Leisure Local Sport Organizations	April 2017



Priority Goals

Priority Goal #2 - Enhance Physical Literacy

Every individual in Maple Ridge and Pitt Meadows, regardless of age, will be physically literate and have the fundamental movement and sport performance skills to enjoy sport & physical activity to the best of their ability.

ACTIONS		STAKEHOLDERS	TIMELINE
2.1	Raise awareness and promote the importance of physical literacy skill development through a multi-sport framework for sport leaders, educators and parents through educational opportunities, workshops, and distribution of physical literacy resources and promotions.	Sport Network Parks and Leisure Local Sport Organizations Regional Sport Advocate Agencies School District	November 2016
2.2	Provide opportunities for sport administrators, recreation program leaders, community sport coaches, educators and fitness professionals to learn methods of teaching physical literacy skills to children, youth, adults and seniors.	Sport Network Parks and Leisure Local Sport Organizations Regional Sport Advocate Agencies School District	Spring 2017



	ACTIONS	STAKEHOLDERS	TIMELINE
2.3	Work with partners to provide Canadian Sport For Life sanctioned physical literacy skill development programs for children and youth in Maple Ridge and Pitt Meadows schools. Inclusive of Long Term Athlete Development and high performance programs.	Sport Network Parks and Leisure School District Local Sport Organizations Regional Sport Advocate Agencies	September 2018
2.4	Identify and seek to address challenges that are preventing various high-barrier groups from developing physical literacy skills and getting adequate levels of physical activity	Sport Network Parks and Leisure Local Sport Organizations Regional Sport Advocate Agencies School District	January 2018
2.5	Provide physical literacy resources to school administrators, educators, recreation administrators, recreation program leaders, local sport administrators, community coaches and early childhood educators and childcare operators and parents.	Parks and Leisure Local Sport Organizations Regional Sport Advocate Agencies School District	September 2017
2.6	Collaborate with School District 42 to integrate Strategy goals with the new BC School Curriculum	Parks and Leisure School District	April 2017



Priority Goals

Priority Goal #3 - Exceptional Facilities for Participation and Performance

There will be an adequate number of sport infrastructures to support expanding participation and capacity to host sport events.

	ACTIONS	STAKEHOLDERS	TIMELINE
3.1	Conduct a sport facility analysis identifying the current inventory and existing capacity.	Parks and Leisure	April 2017
3.2	Explore and identify facility types that will support the future growth of sport and physical activity.	Sport Network Parks and Leisure Local Sport Organizations City Departments	November 2017
3.3	Continue to support the facility use agreements between the City of Maple Ridge, City of Pitt Meadows and School District 42 with emphasis on sport access.	Sport Network Parks and Leisure School District	September 2017
3.4	Research the application process and deadlines for Provincial Gaming grants and Federal/Provincial Infrastructure grants that fund capital development facility projects.	Parks and Leisure	ongoing



Priority Goal #4 - Leadership and Community Involvement

Maple Ridge and Pitt Meadows will have sufficient numbers and quality of volunteers and staff who are skilled in coaching, officiating and administering the sport system.

	ACTIONS	STAKEHOLDERS	TIMELINE
4.1	Form a Sport and Physical Activity Network comprised of representatives of Maple Ridge and Pitt Meadows community sport organizations, School District 42 and Fraser Health to determine who will represent on the network. This group will provide leadership, provide an advisory function and will support to foster an inclusive sport and physical activity community network.	Parks and Leisure School District of Maple Ridge Fraser Health Local sport organizations	December 2016
4.2	Plan and facilitate fun and affordable multi-sport skill development activities for children in local schools. Provide introduction to mainstream and emerging sports to children 6-12 years of age.	Parks and Leisure School District	January 2017
4.3	Liaise with local sport alumni and use expertise and share experiences and knowledge in sport development (coaching, mentoring, administration, officiating, tournament organization etc.) Support athletes as leaders and role models within their chosen sport and in the community.	Sport Network Local sport organizations Athletes	April 2018
4.4	Host Coaching Development and Certification Programs and other relevant workshops for local sport organization coaches, board members and volunteers.	Sport Network Local Sport Organizations Regional Sport Advocate Agencies Parks and Leisure	September 2016
4.5	Partner with Fraser Health in delivering physical activity promotions and programs.	Sport Network Fraser Health Local Sport Organizations Parks and Leisure	January 2018



Priority Goals

Priority Goal #5 - Accountability

Maple Ridge and Pitt Meadows Parks and Leisure Services staff and the Sport and Physical Activity Network will monitor and report back to the City Councils, Maple Ridge Pitt Meadows Sport Network members and other key stakeholders on the strategy goals and actions.

ACTIONS		STAKEHOLDERS	TIMELINE
5.1	The proposed Sport and Physical Activity Network will oversee the delivery of the goals and actions outlined in the Maple Ridge Pitt Meadows Sport and Physical Activity Strategy.	Sport Network Parks and Leisure	Ongoing
5.2	Develop benchmarks and success indicators to measure and evaluate the achievements of the Maple Ridge Pitt Meadows Sport and Physical Activity Strategy.	Sport Network Parks and Leisure Local Sport Organizations	April 2017
5.3	Report annually to Council on the status of achieving the goals and actions identified in the strategy. Identify and respond to emerging issues, trends opportunities as they align with the strategy.	Sport Network Parks and Leisure	Annually



Priority Goals

Priority Goal #6 - Inclusion and Diversity

Maple Ridge and Pitt Meadows provides opportunities for all residents to access affordable sport and recreation activities, and is recognized for its inclusivity of people with disabilities, visible minorities and financial challenges.

	ACTIONS	STAKEHOLDERS	TIMELINE
6.1	Conduct research to determine financial barriers that prevent residents from participating in local sport activities, and take action to provide programs that reduce these barriers.	Parks and Leisure Sport Network	September 2017
6.2	Conduct research to determine barriers to participation in sport by our diverse multi-cultural community, and build capacity to address their sport program and facility needs.	Sport Network Parks and Leisure Local Sport Organizations	September 2018
6.3	Explore ways to retain existing sport and physical activity participants so they continue to participate in sport and physical activity for their lifetime (i.e. affordable programs, accessible facilities, health promotions and program/facility use subsidies).	Sport Network Parks and Leisure	April 2017



Priority Goals

Priority Goal #7 Communication

Citizens of Maple Ridge and Pitt Meadows will be aware of and understand the key benefits of participation in sport and physical activity.

ACTIONS		STAKEHOLDERS	TIMELINE
7.1	The proposed Sport and Physical Activity Network will develop a communications plan to share information between members and to communicate information to residents regarding community sport opportunities, the benefits of participation in sport and physical activity, fundamental movement skills, coaching education programs, tournaments and events etc.	Sport Network Parks and Leisure	September 2017
7.2	Raise awareness and promote the many sport and physical activity opportunities that are available in the communities of Maple Ridge and Pitt Meadows (i.e. listing of sport agencies in Leisure Guides, on-line information on Sport Network and City websites etc.)	Sport Network Parks and Leisure Local Sport Organizations	December 2017

TO: Her Worship Mayor Nicole Read
and Members of Council
FROM: Chief Administrative Officer
SUBJECT: Albion Sport Field Lighting Contract

MEETING DATE: June 20, 2016
FILE NO:
MEETING: COW

EXECUTIVE SUMMARY:

Tenders for the supply and installation of sports field lighting at Albion Sport Complex playfield #2 were received on June 7, 2016. A total of five bids were received ranging from \$358,795.00 to \$428,050.10. Staff is recommending that this tender be awarded to the lowest compliant bidder, Boileau Electric & Pole Ltd.

RECOMMENDATION:

That Contract ITT_PL16-28 for the supply and installation of LED playfield lighting at Albion Sports Complex be awarded to Boileau Electric & Pole Ltd. for \$358,795.00 plus taxes, and an additional 10% contingency of \$35,879.00 for any unforeseen issues; AND,

That the Corporate Officer be authorized to sign and execute the contract.

DISCUSSION:

a) Background Context:

Three of the four full size grass sports fields at Albion Sports Complex are equipped with standard Metal Halide lighting which uses multiples of 1000 Watts and 1500 Watts bulbs per light pole. The new lighting system will illuminate the fourth sports field with light-emitting diodes (LED) which uses considerably less power estimated at 520 Watts and 630 Watts bulbs instead of the traditional Metal Halide lighting system. This will result in estimated 50% cost saving of hydro consumption compared to the traditional approach and will inform future lighting projects.

b) Desired Outcome:

Installation of the last full sized playfield at the sports complex will complete the phased lighting at Albion Sports Complex.

c) Strategic Alignment:

To provide and maintain safe and functional sports fields and ancillary facilities for the users of these areas, so that sport programs can be delivered efficiently, effectively and safely.

d) Citizen/Customer Implications:

Maple Ridge Softball Association has been requesting lighting for the last sports field in this park for a number of past several years to expand use of this community amenity by the local association and for tournaments. A significant contribution from Morningstar Homes Ltd. has been provided for this project.

e) Business Plan/Financial Implications:

\$200,000 of the contract will be funded from the 2016 Long Term Capital program in conjunction with the funding of \$200,000 provided through an amenity contribution from Morningstar Homes Ltd.

f) Alternatives:

The alternative would be not to proceed, which is not recommended, as an amenity contribution was accepted from Morningstar Homes Ltd. for the installation of the new sport field lighting.

CONCLUSIONS:

The addition of the sports field lighting will make a significant improvement to the sports complex. It will provide for greater opportunities to host provincial softball tournaments as well as provide an additional surface where make up games could be held by other clubs and associations during the winter months.

"Original signed by Valerie Richmond" for

Prepared by: Michael Millward, Facility Operations Manager

"Original signed by David Boag"

Reviewed: David Boag, Director Parks & Facilities

"Original signed by C.K. Lee"

Reviewed by: C.K. Lee, Financial Analyst

"Original signed by Kelly Swift"

Approved by: Kelly Swift, General Manager, Community Development
Parks & Recreation Services

"Original signed by Frank Quinn" for

Concurrence: **E.C. Swabey**
Chief Administrative Officer

mm

TO: Her Worship Mayor Nicole Read
and Members of Council
FROM: Chief Administrative Officer
SUBJECT: 2016 Council Expenses

MEETING DATE: June 20, 2016
FILE NO:
MEETING: C.O.W.

EXECUTIVE SUMMARY

In keeping with Council's commitment to transparency in local government, the attached Schedule lists Council expenses to the end of May 2016. The expenses included on the schedule are those required to be reported in the annual Statement of Financial Information and are available on our website.

RECOMMENDATION:

Receive for information

Discussion

The expenses included in the attached schedule are those reported in the annual Statement of Financial Information (SOFI), including those incurred under Policy 3.07 "Council Training, Conferences and Association Building". The budget for Council includes the provision noted in Policy 3.07 as well as a separate budget for cell phone and iPad usage. The amounts on the attached Schedule are those recorded prior to the preparation of this report and are subject to change.

"original signed by Cheryl Ennis"

Prepared by: Paula Melvin
Executive Assistant, Corporate Administration

"original signed by Paul Gill"

Approved by: Paul Gill, CPA, CGA
GM, Corporate and Financial Services

"original signed by Ted Swabey"

Concurrence: E.C. Swabey
Chief Administrative Officer

2016 Council Expenses
2016 Council Expenses

Schedule 1

Month of Event	Reason for expense	Conferences & Seminars	Community Events	Business Meals	Mileage	Cell Phones / iPads	Totals
Bell, Corisa							
January	iPad charges					39.59	
	Ridge Meadows South Asian Cultural Society Gala		95.00				
	Mileage				470.38		
February	iPad charges					18.19	
March	iPad charges					18.19	
April	iPad charges					18.19	
May							
June							
July							
August							
September							
October							
November							
December							
		-	95.00	-	470.38	94.16	659.54
Duncan, Kiersten							
January	Cell phone charges					43.62	
	iPad charges					18.19	
	Ridge Meadows South Asian Cultural Society Gala		95.00				
February	Cell phone charges					54.32	
	iPad charges					18.19	
March	Cell phone charges					42.80	
	iPad charges					39.59	
April	Cell phone charges					43.70	
	iPad charges					39.59	
May	Cell phone charges					42.80	
June							
July							
August							
September							
October							
November							
December							
		-	95.00	-	-	342.80	437.80

Month of Event	Reason for expense	Conferences & Seminars	Community Events	Business Meals	Mileage	Cell Phones / iPads	Totals
Masse, Bob							
January							
February							
March							
April	MR Community Foundation Citizen of the Year		125.00				
May							
June							
July							
August							
September							
October							
November							
December							
		-	125.00	-	-	-	125.00
Read, Nicole							
January	Cell phone charges					42.96	
	iPad charges					21.40	
February	Ridge Meadows South Asian Cultural Society Gala		95.00				
	Cell phone charges					43.28	
	iPad charges					21.40	
	Ridge Meadows Chamber Business Excellence Awards		95.00				
March	Cell phone charges					43.92	
	iPad charges					42.80	
April	Cell phone charges					51.79	
	MR Community Foundation Citizen of the Year		125.00				
	iPad charges					21.40	
May	Cell phone charges					42.80	
June							
July							
August							
September							
October							
November							
December							
		-	315.00	-	-	331.75	646.75

Month of Event	Reason for expense	Conferences & Seminars	Community Events	Business Meals	Mileage	Cell Phones / iPads	Totals
Robson, Gordy							
January	iPad charges					5.35	
	Ridge Meadows South Asian Cultural Society Gala		95.00				
February	Ridge Meadows Chamber Business Excellence Awards		95.00				
	iPad charges					18.19	
March	iPad charges					5.35	
April	iPad charges					5.35	
May							
June							
July							
August							
September							
October							
November							
December							
		-	190.00	-	-	34.24	224.24
Shymkiw, Tyler							
January	Cell phone charges					42.80	
	iPad charges					18.19	
	Ridge Meadows South Asian Cultural Society Gala		95.00				
February	Cell phone charges					42.80	
	iPad charges					18.19	
	Ridge Meadows Chamber Business Excellence Awards		95.00				
March	Cell phone charges					42.80	
	iPad charges					18.19	
April	iPad charges					18.19	
May							
June							
July							
August							
September							
October							
November							
December							
		-	190.00	-	-	201.16	391.16

Month of Event	Reason for expense	Conferences & Seminars	Community Events	Business Meals	Mileage	Cell Phones / iPads	Totals
Speirs, Craig							
January	Cell phone charges					42.95	
	iPad charges					18.19	
	Ridge Meadows South Asian Cultural Society Gala		95.00				
February	Cell phone charges					42.80	
	iPad charges					18.19	
March	Cell phone charges					43.47	
	iPad charges					49.09	
April	Cell phone charges					47.00	
	iPad charges					39.59	
May	Cell phone charges					42.80	
June							
July							
August							
September							
October							
November							
December							
		-	95.00	-	-	344.08	439.08
Totals		-	1,105.00	-	470.38	1,348.19	2,923.57