



Highways & Roads in ParcelMap BC

Organized by:

ParcelMap BC Adoption Working Group

February 3rd, 2022

Part of the ICI Society's
Virtual Café series

Agenda

Introductions & Background (10 min)

Brian Greening (LTSA) and Steve Mark (ICI Society)

10:00 am

Roads in ParcelMap BC (35 min)

Bryan Sawers and Taylor McInnes (LTSA)

- Historic vs. Current Completeness
- Types of Roads and their Representation in ParcelMap BC
- Titled Roads Project
- MoTI Historic Highways Back-capture Project

10:10 am

Close Out, Questions & Discussion (15 min)

10:45 am

Welcome & Opening Remarks

Workshop

A [ParcelMap BC Adoption Working Group](#) resource, presented as part of the ICI Society Virtual Café series

Introductions

Brian Greening

Director, ParcelMap BC Products, LTSA

Bryan Sawers

Manager, ParcelMap BC Operations, LTSA

Steve Mark

Director, Operations, ICI Society

Taylor McInnes

Senior Fabric Technologist, LTSA

Irshad Jamal

Parcel Fabric Technician, LTSA

Welcome & Opening Remarks

Background

The [ParcelMap BC Adoption Working Group](#):

“Issues” (challenges & opportunities) identified related to the capture of “road parcels”
AWG Participants recommended an info session to explore what “roads” are in ParcelMap BC

[Highways & Roads Discovery Exercise \(2018\)](#)

A deep-dive workshopping of the state of the spatial inventory of lands designated for highways & roads
Led by LTSA including MoTI, MFLNRORD, City of Surrey, ABCLS
Produced a definition of the “problem” and a series of high-level solution steps

[Road Parcels in ParcelMap BC](#)

On Compilation, in regular Operations and Special Projects

Highways & Roads: What do we mean?

Criteria

1. Legally designated a “highway”, “street” or “public road” with ownership/tenure defined by statute
2. Legally surveyed with the survey plan filed in the land title register or Crown land registry (*except for historical practices*)

Defining Statutes

Statute	Type	Description
<u>Transportation Act</u>	Highway and Arterial Highway	Defines Highways and Arterial Highways Defines Highway creation processes Highways in rural areas and Arterial Highways are owned by MOTI
<u>Community Charter</u> <u>Municipal Act</u> (1979-1991) <u>Municipal Clauses</u> (1906 - historic)	Highway	Defines municipal (non-provincial) highways other than in the City of Vancouver, Highways within municipalities, other than arterial highways are owned by the local governments
<u>Vancouver Charter</u>	Highway (Street)	Defines Street creation process within the City of Vancouver, Streets within the City of Vancouver are owned by the City
<u>Land Act</u>	Public Road	Defines Public Road creation process over untitled Crown Land, Public Roads are under the jurisdiction of MFLNRORD
<u>Land Title Act</u>	Highway	Defines how highways interact with Titles in Land Title Register

Highways & Roads in ParcelMap BC

Current Practice

Almost all legal sources that establish Highways & Roads used are persisted in records at the LTSA

The ParcelMap BC operations framework captures the spatial extent and basic attribution for surveyed Highway & Roads in the ParcelMap BC parcel fabric.



Information Item Name	Registry/Organization	Current Practice?
Legal source		
Land Title Act Plans	LTR (Land Title Register)	Yes
Land Act Plans	CLR (Crown Land Registry)	Yes
Gazette Notices	BC Gazette, MOTI	No – Back capture only
Municipal Gazette notices	BC Gazette, Municipal records	No – Back capture only
Municipal by-law filing	LTR, Municipal records	Yes
Land Title Deposit Transfer	LTR, City of Vancouver records	Yes
Court Order Documents	BC Court registry	Yes
Crown Grant	CLR & LTR	Yes
Expropriation Notice	LTR	Yes
Order in Council Document	Order in Council Administrative Office	Yes
B plans – if conditions met these may simply be considered as <i>Land Title Act</i> plans or its predecessor	LTR	No – Back capture only

Types of Roads, Historical vs. Current Completeness

Road Dedications

- E.g. Section 107 of the Land Title Act ‘Road Dedication’.
- Adding any new Road Dedication on a submitted LTA or LA Plan into ParcelMap BC.
- Historic representation is mostly absent with a few exceptions, e.g. VIP76046 added during compilation of ParcelMap BC.



‘Titled Roads’

- Roads with an Active PID in the LTSA Land Title Register.
- Currently integrating ~33 000, originally excluded from the build of ParcelMap BC.
- Not all of these will be classed as ‘Road’.
- Anticipate completion by March, 2023. Currently have **24000** integrated into the fabric.

Types of Roads, Historical vs. Current Completeness

Other Roads: Strata Roads, Private Roads, Private Lanes, etc.

- Strata Roads defined on a Bareland Strata will be represented as Common Property in ParcelMap BC.
- We do not map Common Property for Building Stratas.
- Private roads, driveways, etc., are not mapped in ParcelMap BC.



MoTI Highway Records

- Delineated on a Ministry of Transportation and Infrastructure Highways (MoTI) Highway Plan.
- Or Highway Plan filed in LTSA's Land Title Register.

Road Dedications

Referencing the Land Title Act

- Ex plan Sec107:
- Ex plan Sec120:
- Ex plan Sec 99 Charge:
- Ref Plan Sec 100:
- Ref Plan Sec 107:
- Ref Plan Sec 120:
- SRW Plan Sec 113:
- Subdivision Plan

Referencing the Land Act

- Land Act Road Dedication

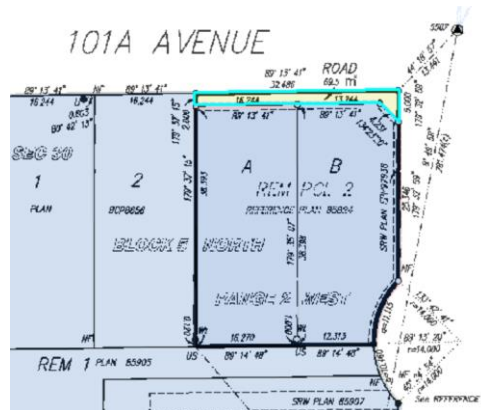
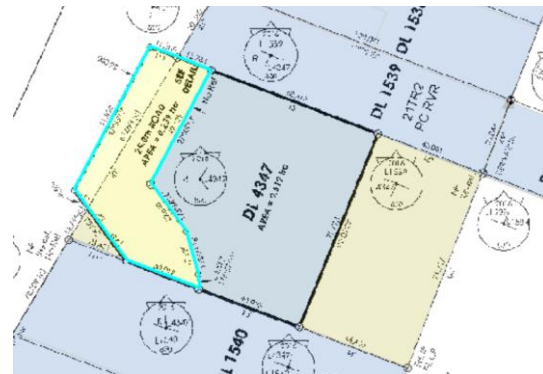
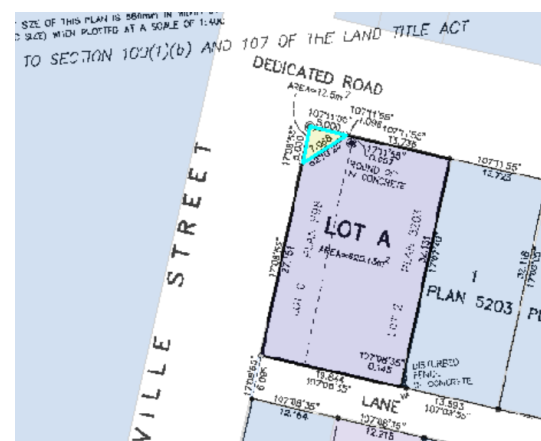
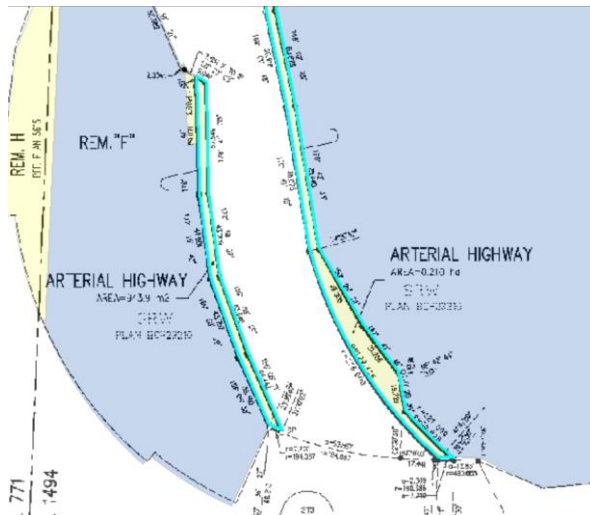


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- IPC1338_Crown_Plan.tif
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- EPP93134_Walkway.tif

Table

PlanID	Name	PID	PIN	ParcelStartDate	ParcelStatus	Accuracy	ParcelClass	OwnerType
47545201	030610701	3201	3201307	2016-10-22	Active	0.02m / 1 m = 20.000	Interval	Highway
47545202	030610702	3201	3201307	2016-10-22	Active	0.02m / 1 m = 20.000	Road	Municipal

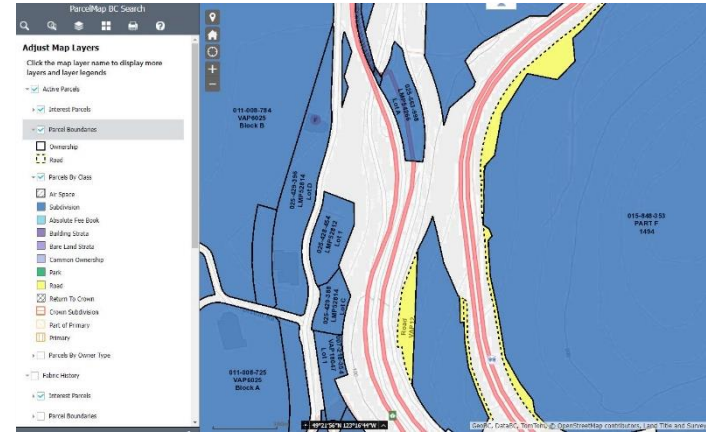
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Road Dedications

Attribute Signatures for Road Dedications

- Parcel Name = Name of Road Dedication on Survey Plan
 - E.g. Dedicated Lane will be named 'Lane', 'Walkway', 'FSR', 'Road', 'Arterial Highway', etc.
- Parcel Class = Road
- PID and PIN = **<null>**

* No unique ID in the Land Title Register to track Road parcels dedicated on LTA or LA plans. From an indivial records perspective they effectively 'die' on the Survey Plan.

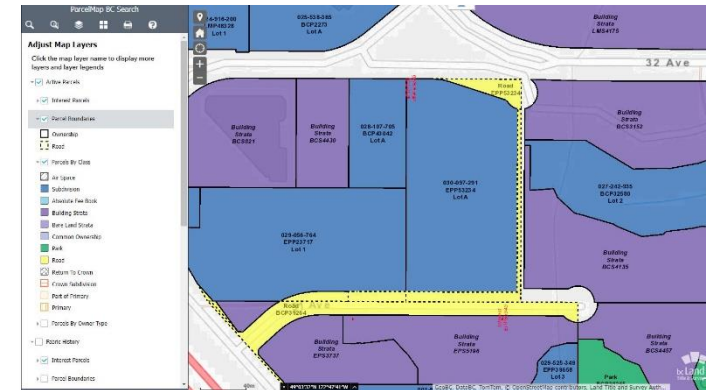
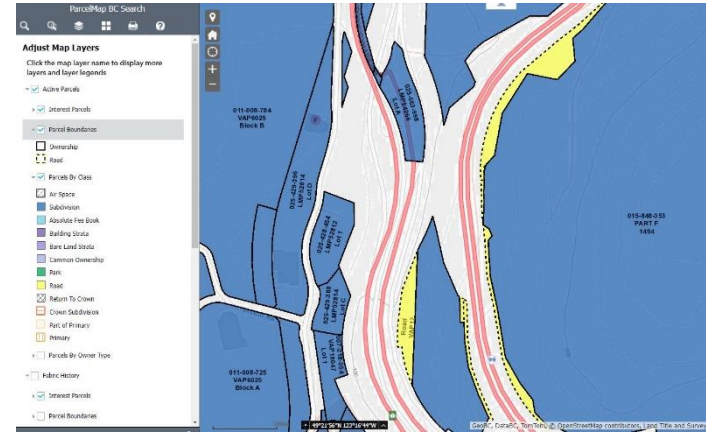


Road Dedications

Attribute Signatures for Road Dedications

Ownertype:

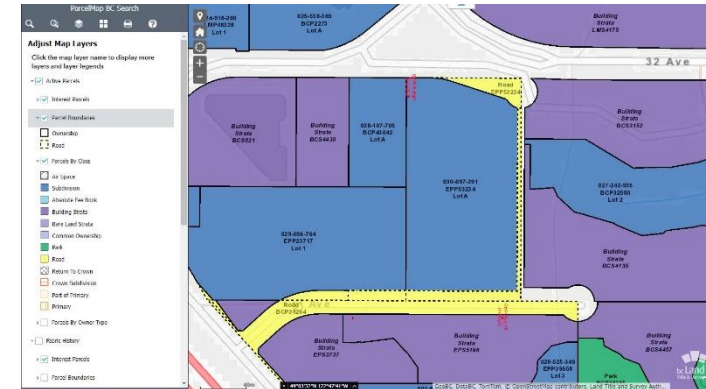
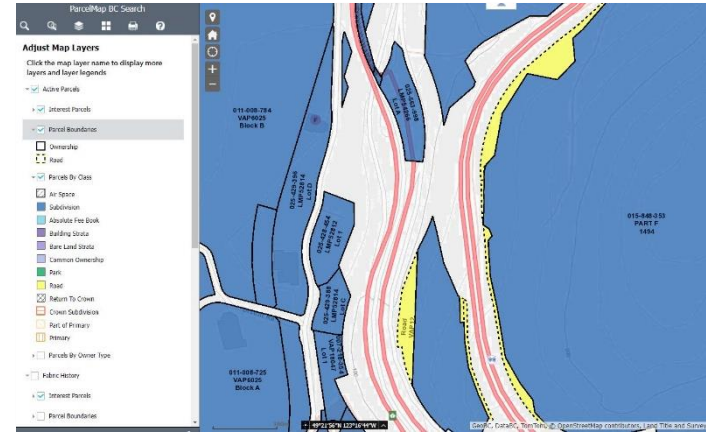
- If dedication is an Arterial Highway it will be Crown Provincial or Crown Agency (if verified the owner is a Crown Agency).
- Road Dedications in Municipalities will be owned by the Municipality.
- Road Dedications outside a Municipality will be owned by the Crown or Crown Provincial.



Road Dedications

Attribute Signatures for Road Dedications

- No PID so no Full Legal Description and Designation Fields will be <null>.
- Plan Record will be the dedicated LTA or LA Plan Number.

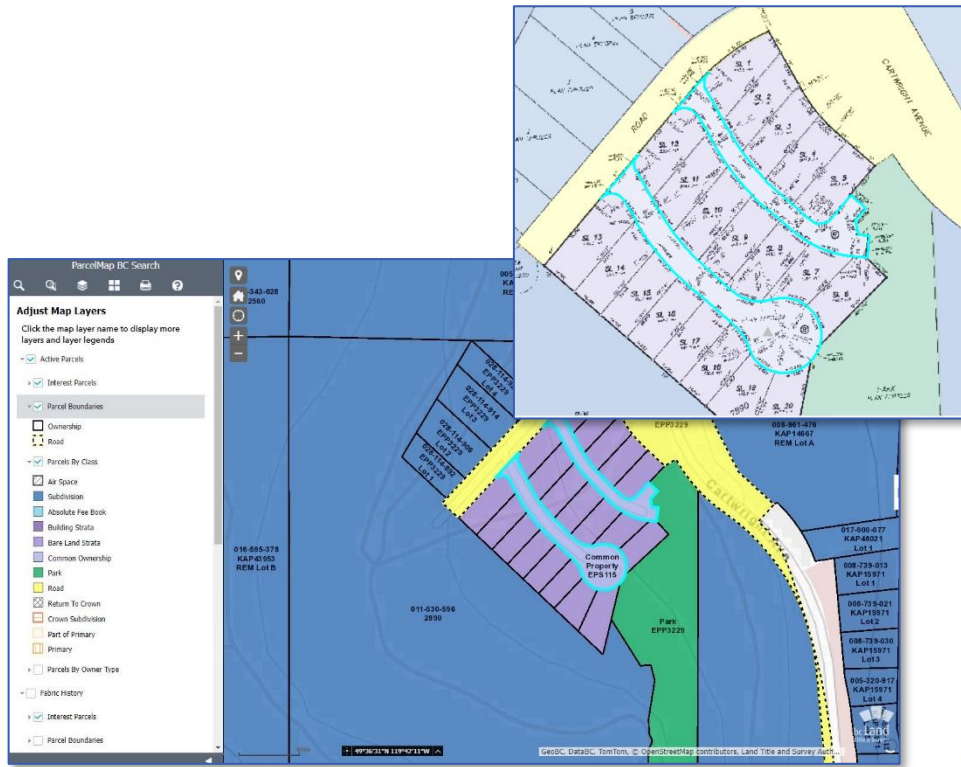


Strata & Other Private Roads

Strata Roads defined on a Bareland Strata will be represented as Common Property in ParcelMap BC.

We do not map Common Property for Building Stratas.

Private roads, Private laneways,
driveways, are not mapped in
ParcelMap BC.



Titled Roads: Special Project for Back Capture

Background

- During PMBC build, active PIDs identified as 'road' through assessment by LTSA were excluded under the premise that they would be mapped later. A back capture project seeks to represent those PIDs in ParcelMap BC.
- Revaluating how we class 'titled roads' with our colleagues in the Land Title Office by looking at the notation on title in greater detail.

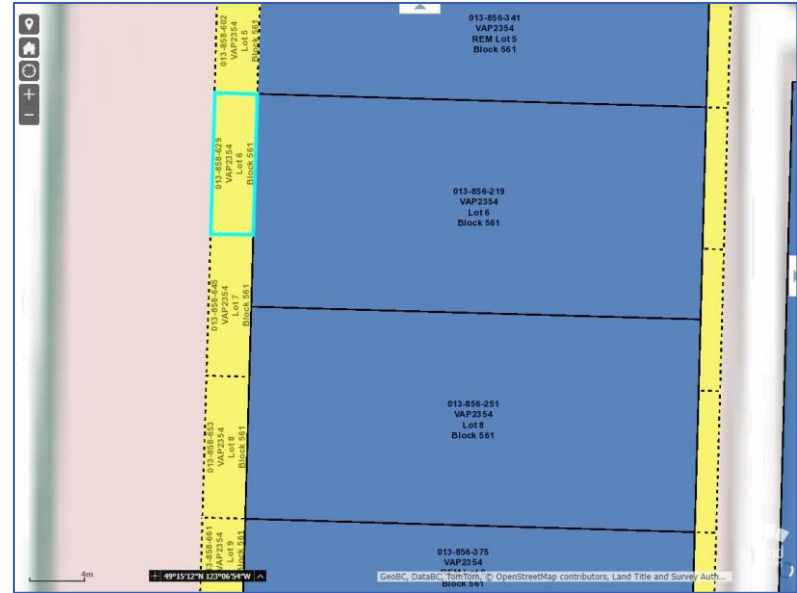


- Some legal instruments may result in the creation of a new titled road parcel:*
 - The Vancouver Charter and Community Charter.*
 - Section 99 Ref Plans create an Interest which is later granted a parcel (PID) in the Register.*

Titled Roads

Attribute Signatures for Titled Road Parcels

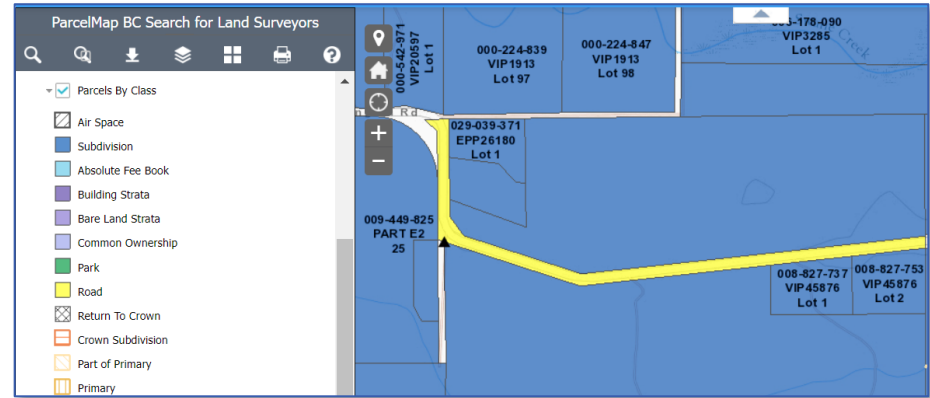
- Parcel Name = **PID** value
- Parcel Class = **Road**
- PID = PID value
- Ownertype derived from Ownership on Title related to the Parcel record in the Land Title Register
- The Legal Description derived from the Land Title Register for the Parcel Record
- Designation Fields are populated
- Plan Record is the dedicated LTA Plan.



MoTI Highway Records: Special Project

Background

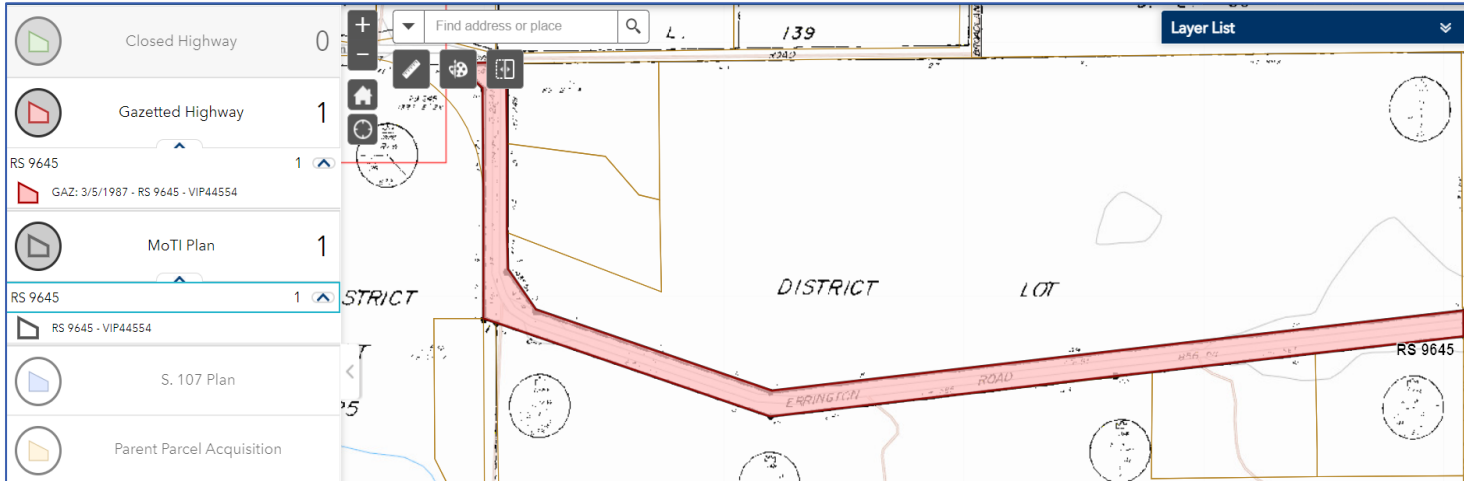
- Working with MoTI to create a spatial inventory of Highways under the purview of MoTI and Transportation Act instruments.
- Records attributed thus far that we want to generate a spatial inventory of:
 - ~15,000, with another ~20,000 potentially in scope
- Plans filed with the Land Title Office will be included in ParcelMap BC:
 - roughly ~8,000 identified so far.
 - 'back capture' entries into ParcelMap BC follow the attribution signature outlined earlier



MoTI Highway Records: Special Project

What is included in ParcelMap BC?

- Road Survey Plans (RS Plans) filed at the Ministry (MoTI) are georeferenced and compiled along with the accompanying Gazette information.
 - MoTI Plan Shape (Road Survey Plan)
 - Gazetted Highways
 - Closed Highway
 - Parent Parcel Acquisition
- These types of plan filings:
 - attributed representation in MoTI Project pertaining to their needs (gazette information).
 - an entry in ParcelMap BC following the attribution specifications outlined earlier.



Questions and Discussion

Thank You For Participating!

Recording & slide deck links will be sent out soon.

Learn more at:

<https://itsa.ca/parcelmapbc>

<https://help.itsa.ca/parcelmap-bc>

ParcelMap BC Newsletter: [Sign up here!](#)