



# On the Map with ParcelMap BC

Bryan Sawers – Manager of ParcelMap BC Operations

World GIS DAY! November 17<sup>th</sup> 2021

# Agenda

**1** What is ParcelMap BC?

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**2** Why is it important?

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**3** How does it work?

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**4** How can you use it?

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**5** Who uses it and why?

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# What is ParcelMap BC?

The *single, complete, trusted* and *sustainable* map-based representation of land parcels and their relationship to adjacent parcels across all of BC.

A *visual representation* considered to be the point of truth for the graphical representation of property boundaries.

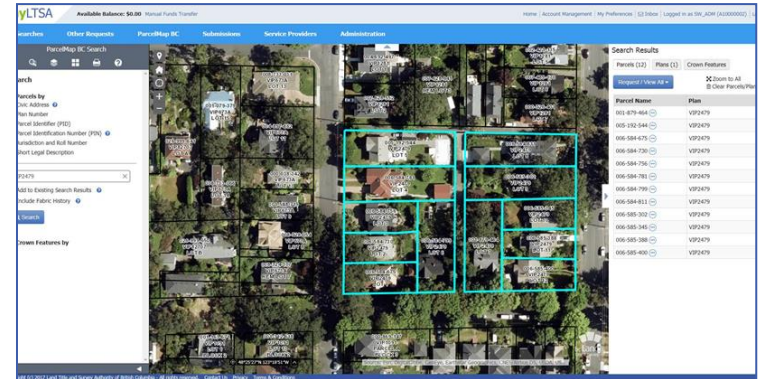
A key piece of *data infrastructure* supporting *economic and social development* in the province.

## What it is *not*:

It is not the authoritative source for the legal property boundary or related records attributes. This will always be the plan of survey or the related registry information. For the time being...



Special Achievement in GIS  
2017 Award Winner



# What is ParcelMap BC? 2.2 million parcels and counting

2.2 million parcels including:

- titled and surveyed crown lands
- road dedications
- parks
- spatially defined interests such as statutory rights of ways, leases, and easements

Province of BC:

~ 93% of land in BC is Provincial Crown land

~ 90% is unsurveyed

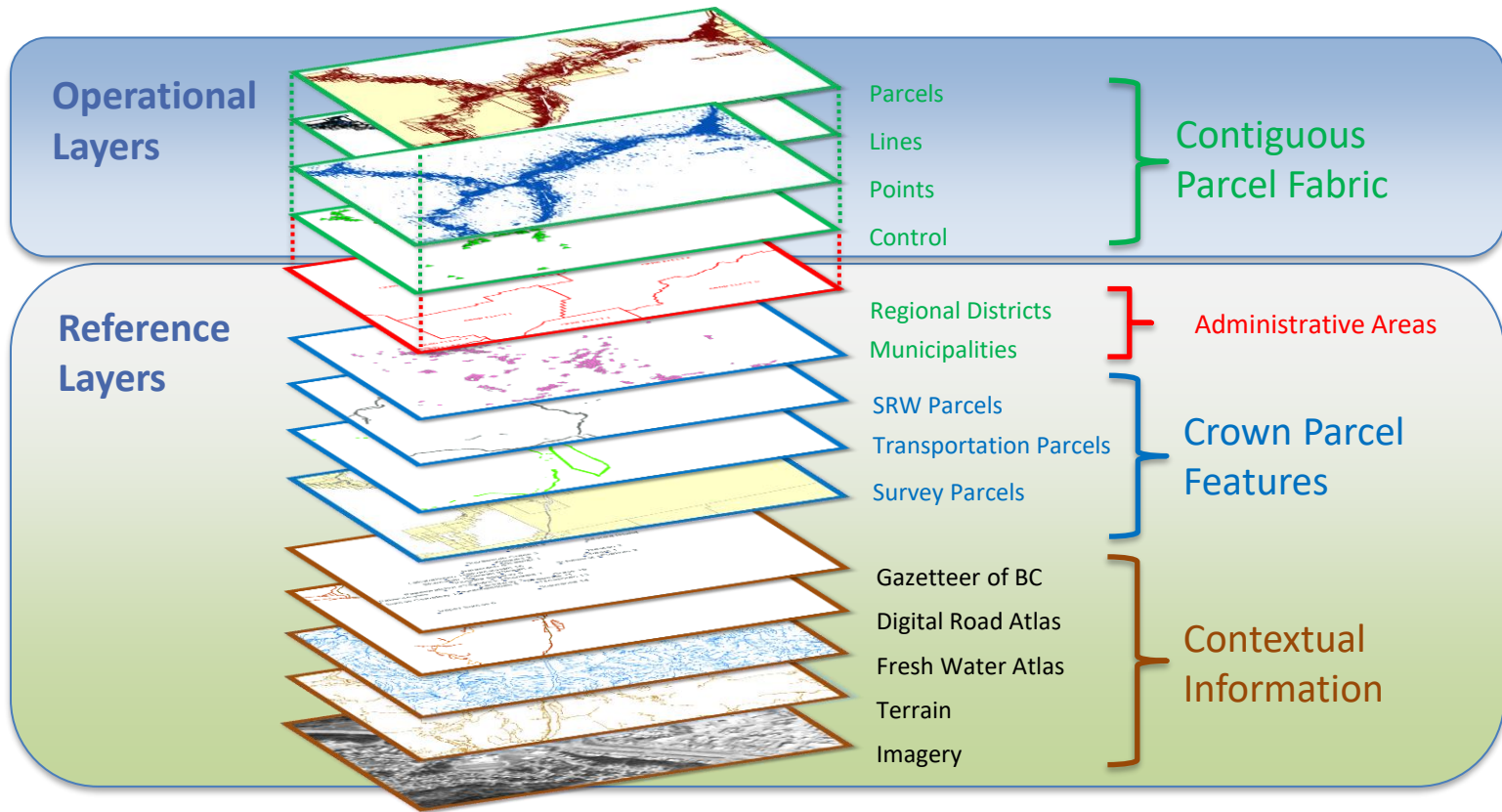
~ 7% of land in BC is privately owned land

2x California (424,000 km<sup>2</sup>)

3x United Kingdom (243,600 km<sup>2</sup>)



# What is ParcelMap BC? A multi-component dataset



# Why did we develop ParcelMap BC?

To meet the demands for an **efficient, consistent and accurate** means of **visually representing land title and survey information** on a province-wide basis via rich, easy to use spatial data products and services.



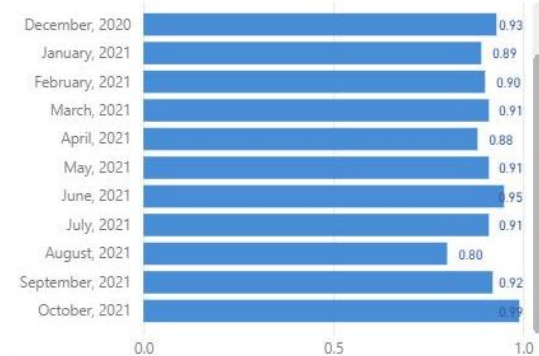
# ParcelMap BC: Operational Status

## Turnaround target / Plans Integrated

- 2 days from registration / confirmation
- Met or exceeded since March 2018 with ~1 day for well over a year!
- Integrate approximately 750 Survey Plans into ParcelMap BC per month.



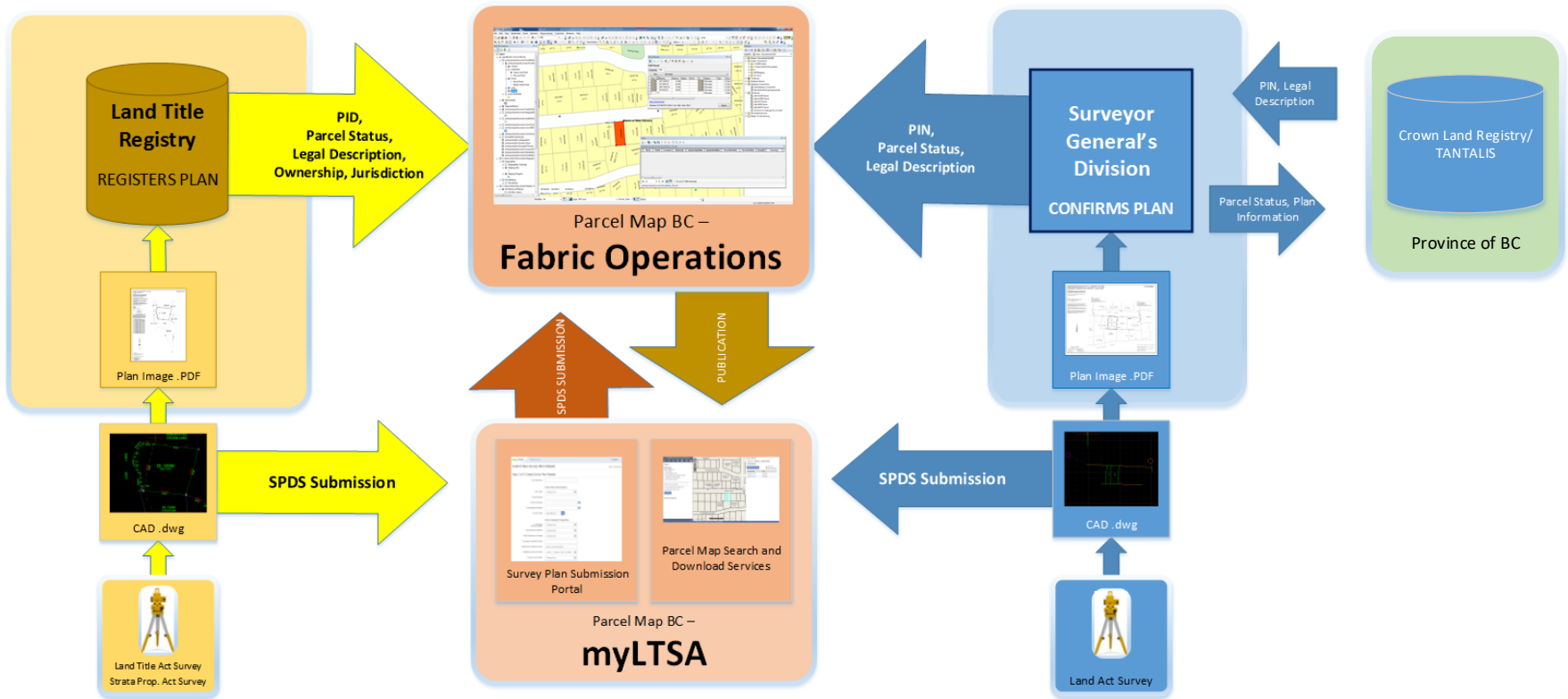
Monthly Average Turnaround (day) - Last 13 Months



## Extending the original scope

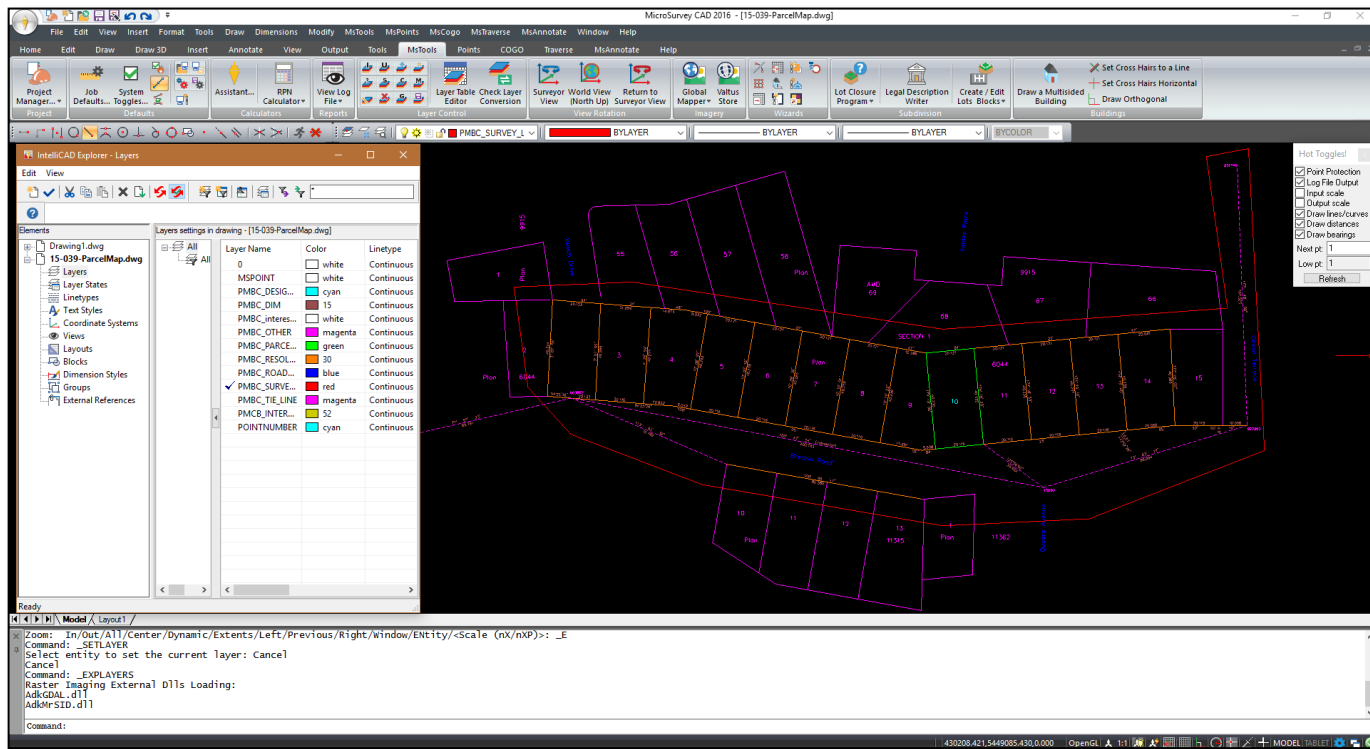
- Added Crown SRWs, AFBs, Foreshores, Cad Ties, Titled Roads
- In the works: Historic ROWs, Historic Highway Plans...

# ParcelMap BC: Connecting all the Dots





# ParcelMap BC: Prepare Survey Plan Dataset



Prepared using drafting / CAD software such as:

- MicroSurvey
- AutoCAD
- Other CAD platforms

Guidelines for Preparing a Survey Plan Dataset

# ParcelMap BC: Upload Survey Plan Dataset

Create or Edit using the Survey Plan Dataset Submission (SPS) service

myLTSA Available Balance: \$0.00 Request Funds Transfer

Searches Other Requests Submissions Service Providers Administration

## Submit Survey Plan Dataset

Step 1 of 3: Create Survey Plan Dataset

File Reference:

Enter Plan Information

\* Plan Type:

\* Plan Number:

Control Number:

\* Commission Number:

\* Survey Date:

Enter Dataset Properties

\* UTM Zone NAD 83 (CSRS):

\* Georeference Method:

\* DWG Distances Provided:

\* Average Combined Factor:

Additional Combined Factor:

\* Relative Survey Accuracy:

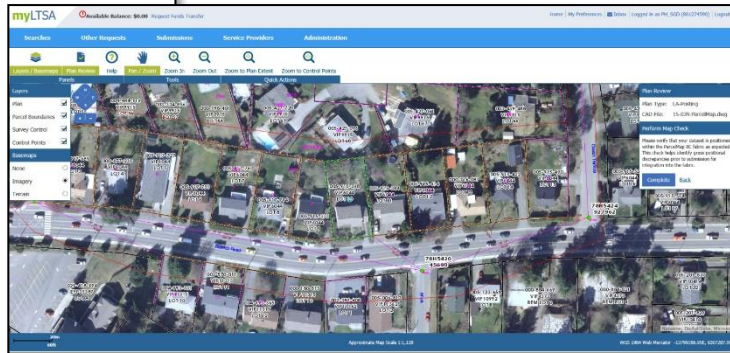
### Survey Plan Datasets

Start New Dataset

Plan Type:  Plan Status:  Commission Number:  Date Modified Range:  Date Submitted Range:

My Datasets  My Organization's Datasets

Plan Number	Plan Type	File Reference	Status	Date Modified	Modified By	Date Submitted	Submitted By
EPP51115	LA-Posting	15-039	New	2017-02-15	Peter Haas		
EPP55555	LTA-Subdivision	test#	New	2016-12-06	Peter Haas		
epp123456	LTA-Subdivision	breoren	New	2016-11-23	Peter Haas		
epptest	LTA-Explanatory-Sec9-Chg	testexplanatory	New	2016-11-21	Peter Haas		



myLTSA Available Balance: \$0.00 Request Funds Transfer

Searches Other Requests Submissions Service Providers Administration

## Verify Dataset Validation Results

Plan Number Check: [Successful. Please click to see results.](#)

Structure Check: [Successful. Please click to see results.](#)

Survey Limits Check: [Successful. Please click to see results.](#)

Distances Check: [Successful. Please click to see results.](#)

Bearing Check: [Complete with warnings\(\). Warnings verified and overridden.](#)

Control Point Check: [Successful. Please click to see results.](#)

[Back to Submit Survey Plan Dataset](#)





# ParcelMap BC: Data Stored in Parcel Fabric



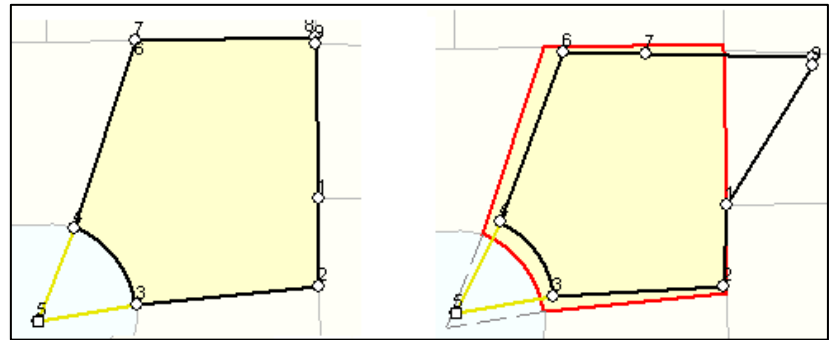
“Manages the spatial and topological relationships inherent in cadastral data” – ESRI



Preserves COGO information regardless of mapped or representative shape



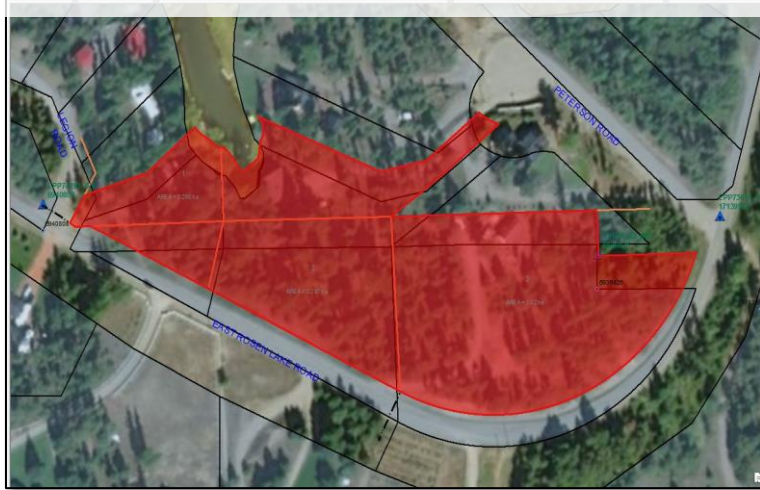
Retains historic parcels/plans





# ParcelMap BC: Improving Absolute Position of Parcels

**Before:** misalignment between parcel fabric and real world



**After:** parcel fabric better aligned with reality



- Parcel boundaries match features on the ground.
- Coordinates of parcel corners from the fabric could be used to locate survey evidence in the field.

# How can you use ParcelMap BC?

[parcelmapbc.ltsa.ca](https://parcelmapbc.ltsa.ca)

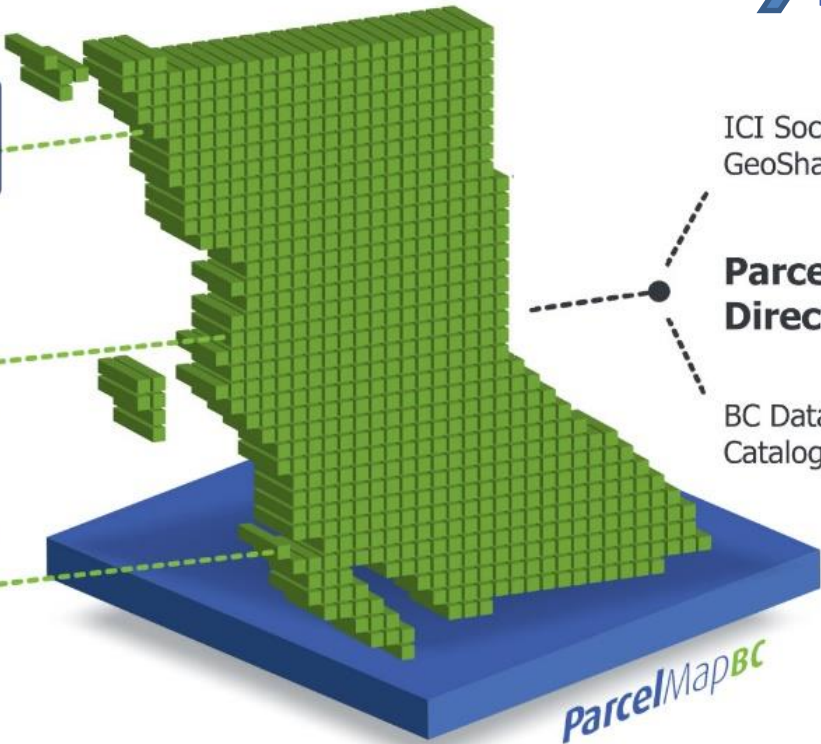
**myLTSA**  
for Enterprise and  
Explorer Users



**myLTSA**  
for Land Surveyors



**GUEST ACCESS**  
through ltsa.ca



ICI Society  
GeoShare

**ParcelMap  
Direct**

BC Data  
Catalogue

*parcelMap*BC

# ParcelMap BC: Search by Civic Address



The screenshot displays the ParcelMap BC Search interface. On the left, the search panel is titled "ParcelMap BC Search" and includes a search bar with the text "1090 W Georgia St, Vancouver, BC" highlighted by a green box. Below the search bar are options for "Add to Existing Search Results" and "Include Fabric History", and a "Search" button. The "Parcels by" section lists search criteria: Civic Address (selected), Plan Number, Parcel Identifier (PID), Parcel Identification Number (PIN), Jurisdiction and Roll Number, and Short Legal Description. The "Crown Features by" section is also visible. The main map area shows a street grid with several parcels highlighted in blue and purple. A specific parcel is highlighted in green and cyan. The map includes labels for "Melville" and "W Georgia" streets, and various parcel identifiers such as "017-463-093 LMP1597", "016-082-206 VAP22865", "007-124-872 VAP18642", "028-194-128 BCP44449", "008-890-421 VAP12455", "002-486-199 VAP14002", and "003-903-826 VAP92". The bottom of the map shows coordinates "49°17'09\" N 123°07'17\" W" and a scale bar. The footer contains the text "Copyright (c) 2017 Land Title and Survey Authority of British Columbia - All rights reserved. Contact Us Privacy Terms & Conditions".

**Search Results**

Parcels (5) Plans (3)

Request / View All ▾

**Parcel Name**

- 007-262-272
- 015-306-321
- 015-306-330
- 015-574-202
- 015-574-229



# ParcelMap BC: Search by Plan Number



The screenshot displays the ParcelMap BC Search interface. On the left, a search panel titled "ParcelMap BC Search" contains a search bar with "EPS371" entered. Below the search bar are options for "Parcels by" (Civic Address, Plan Number, Parcel Identifier (PID), Parcel Identification Number (PIN), Jurisdiction and Roll Number, Short Legal Description) and "Crown Features by". A "Search" button is located below the search bar. The main map area shows a purple-colored area with several parcels labeled "Building Strata" and their respective plan numbers: EPS697, VIS6958, VIS6895, EPS371 (highlighted in yellow), EPS282, 028-238-249 VIS6967 LOT 6, 028-238-231 VIS6967 LOT 5, 028-238-222 VIS6967 LOT 4, 029-643-732 EPP51322 LOT B, 023-124-474 VIP61486 LOT 2, and 029-641-711 EPP51322 LOT A. A scale bar indicates 100m. The bottom status bar shows coordinates 48°49'21"N 123°37'15"W and the text "British Columbia, DataBC, GeoBC...".

**Search Results**

Parcels (3) Plans (1)

Request / View All ▾

Parcel Name
028-490-886
028-490-908
Building Strata

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# ParcelMap BC: Access Records by Titles (Single or Multiple)

The screenshot displays the ParcelMap BC web application interface. On the left, the 'Search by Shape' panel is active, showing a 'Choose a shape to draw' section with three shape options (rectangle, circle, polygon) and an 'Add to Existing Search Results' checkbox. The main map area shows an aerial view of a residential development with several parcels highlighted in cyan. A central purple parcel is labeled 'Building Strata BCS2834'. On the right, the 'Search Results' panel is visible, showing a list of parcels. A green box highlights the 'Request / View All' button, and a blue arrow points to it from the right. A dropdown menu is open over the '000-577-791' parcel, listing actions: 'View Details', 'Request Title', 'Zoom To', 'Search BC Assessment', and 'Remove Result'. The bottom of the screen shows a copyright notice: 'Copyright (c) 2017 Land Title and Survey Authority of British Columbia. All rights reserved. Contact Us Privacy Terms & Conditions'.

Search Results

Parcels (130) Plans (3) Crown Features

Request / View All

Zoom to All  
Clear Parcels/Plans

Parcel Name	Plan
000-577-791	NWP20244
000-896-918	NWP20244
001-798-596	NWP20244
002-235-234	NWP20244
002-347-989	NWP20244
004-153-057	NWP20244
004-800-907	NWP20244
005-789-885	NWP20244
006-120-482	NWP20244
008-709-891	NWP20244
008-709-912	NWP20244
008-709-921	NWP20244
008-709-939	NWP20244
010-417-397	NWP18589
010-417-401	NWP18589
010-417-427	NWP18589
010-417-443	NWP18589
017-344-051	NWP19406

# ParcelMap BC: Access Records by Survey Plans (Single or Multiple)

The screenshot displays the ParcelMap BC Search interface. On the left, the 'Adjust Map Layers' panel is visible, showing various map layers such as 'Active Parcels', 'Interest Parcels', 'Parcel Boundaries', and 'Parcels By Class'. The central map shows a grid of parcels with various colors and labels, including 'Building Strata VAS766', '004-343-638 VAP17051 LOTA', and '007-241-500 VAP17908 LOTA'. A red box highlights a specific parcel, '007-854-0811 VAP14350 LOT C'. On the right, the 'Search Results' panel shows a list of parcels and plans. A 'Request All Plans' button is highlighted with a red box. A context menu is open over the plan 'VAS138', showing options: 'Add All Parcels', 'Preview Plan', 'Request Plan', and 'Remove Result'. The bottom of the interface includes a copyright notice: 'Copyright (c) 2017 Land Title and Survey Authority of British Columbia - All rights reserved. Contact Us Privacy Terms & Conditions'.

ParcelMap BC Search

Adjust Map Layers

Click the map layer name to display more layers and layer legends

- Active Parcels
- Interest Parcels
- Parcel Boundaries
- Parcels By Class
  - Subdivision
  - Absolute Fee Book
  - Building Strata
  - Bare Land Strata
  - Common Ownership
  - Park
  - Air Space
  - Road
  - Crown Subdivision
  - Primary
  - Part of Primary
- Parcels By Owner Type
- Fabric History

Search Results

Parcels (101) Plans (9) Crown Features

Request All Plans

Zoom to All  
Clear Parcels/Plans

Plan	Plan Type
VAS629	-
VAS138	-
VAS1188	VAS138
VAP17664	Add All Parcels
VAP14350	Preview Plan
VAP14147	Request Plan
VAP1241	Remove Result
VAP13597	-
VAP1233	-

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# Our Customers

- Local Governments
- Provincial Government
- Agricultural Land Commission
- BC Assessment
- Real Estate Agents
- Conveyancers of Land Information / Legal Professionals
- Land Surveyors
- Utilities
- General Public

# 4 Key Takeaways

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- 1** The *single, complete, trusted* and *sustainable* map-based representation of land parcels and their relationship to adjacent parcels across all of BC.
- 2** A *dynamic* and *evolving* ‘parcel fabric’ that is being improved daily to better serve our customers and the public.
- 3** *Already* being used by most *conveyancers* of land information in the Province.
- 4** You have access to our ParcelMap Search Services (PMSS) *webmap* already! Go give it a try.

# Thank You

Contact us:

[ParcelMapBC@ltsa.ca](mailto:ParcelMapBC@ltsa.ca)

For more info visit:  
[ltsa.ca](https://ltsa.ca)

