



ParcelMap BC Adoption Working Group

Workshop #2

October 17th 2018

10:00 am to 12:00 pm

Web Conference

Brian Greening

AWG Chair

Director, ParcelMap BC Operations, LTSA

Ann Archibald

AWG Vice-Chair

Executive Director, ICI Society

Agenda

Welcome / Opening Remarks	10:00 am
Adoption Working Group (AWG) Housekeeping <ul style="list-style-type: none">• Collaboration Portal (BaseCamp) Feedback / Usage	10:05 am
ParcelMap BC Status Update <ul style="list-style-type: none">• LTSA Fabric Operations (FabOps): Current Stats• ParcelMap BC Adoption Uptake: Progress Stats	10:10 am
Follow-up on Action Items from the 1 st Workshop: <ul style="list-style-type: none">• Update & discussion on the Agricultural Land Reserve (ALR) dataset dependency.• Update & discussion on the Federal Lands dataset dependency.• Update & discussion on the PMBC Spatial Improvement Assessment web app.	10:20 am 10:40 am 11:00 am
Baseline AWG's next top priorities to workshop in the next working sessions - Example topics: <ul style="list-style-type: none">• Attribute mapping between ParcelMap BC and other parcels;• Integration of ParcelMap BC with 3rd party business software;• Different ParcelMap BC Data Products;• Alignment of Other 3rd Party Datasets;• Other???	11:20 am
Future Workshops <ul style="list-style-type: none">• Workshop #3 (In-Person) Date & Logistics• Subsequent Workshop Dates	11:45 am
Open Questions, Feedback & Wrap-Up	11:50 am

Housekeeping

Collaboration Portal (BaseCamp):

Feedback / Usage / Thoughts?

Our aim to standardize cadence of input...

ParcelMap BC Status Update:

ParcelMap BC Operations (FabOps): Current Stats

ParcelMap BC Adoption Uptake: Progress Stats

ParcelMap BC Ops: Current Stats

Operational Excellence: Current and Complete

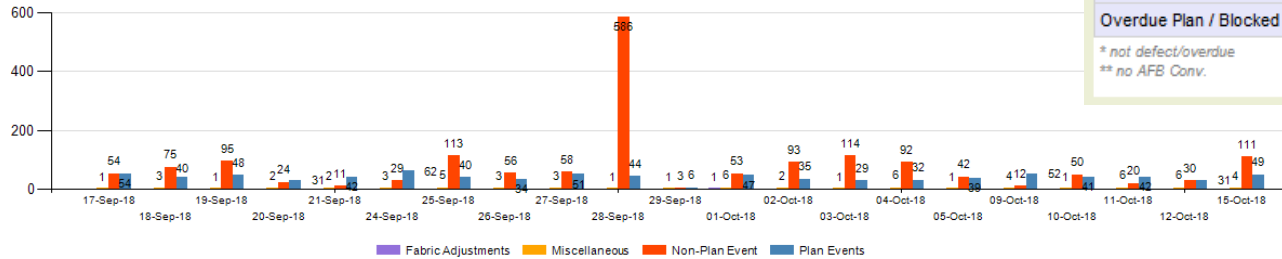
- Less than 2 day turnaround Province-wide (Plan Updates)
- Over 2000 work item packages processed per month

Fabric Operations

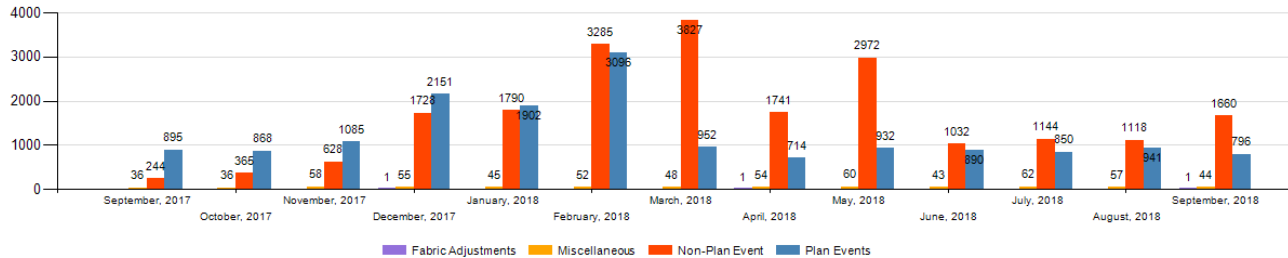
2018-10-15	New	Completed	Backlog	Daily Turnaround (days)	YTD Turnaround (days)
Plan/Dataset*	24	49	56	1.79	1.20
Non-Plan**	37	110	520		
Improvement / Misc.	5	4	31		
Defected and On Hold	0		19		
Overdue Plan / Blocked			17		

* not defect/overdue
** no AFB Conv.

Workitem Completed Volumes - Last 30 days



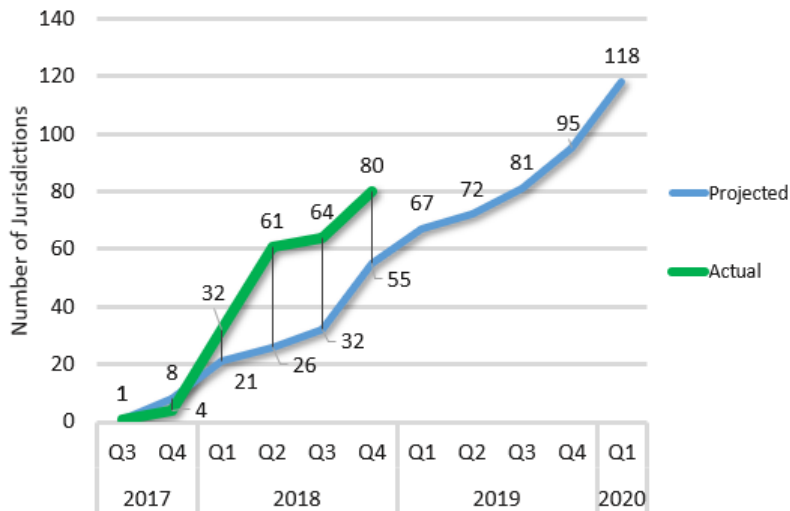
Workitem Completed Volumes - Previous 13 months



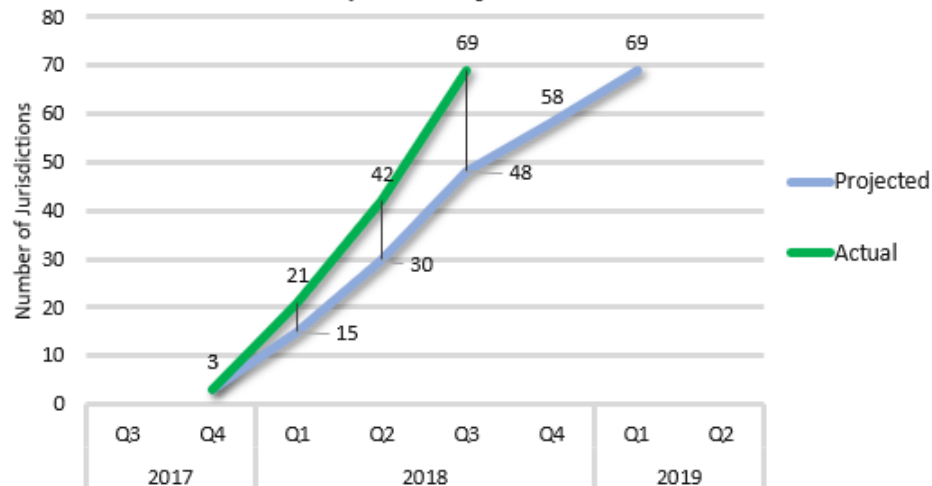
Adoption Progress Stats

A majority of Local Governments are now consuming ParcelMap BC

LG non-ICF Uptake: Projected and Actual



LG ICF Uptake: Projected and Actual



Follow- Up on Action Items from the 1st Workshop:

Update & discussion on:

1. Agricultural Land Reserves (ALR) dataset dependency
2. Federal Lands dataset dependency
3. PMBC Spatial Improvement Assessment app

1. Feedback on ALR Dataset Dependency

Organization Name	Source/Refresh Frequency	Alignment Maintenance	Alignment Challenge	Mitigation Strategy
GeoBC – Scott Macphail	NA	NA	NA	NA
District of Sooke – Brian Goble	When it becomes available on ALC site	We do not edit/modify the ALR polygons.	Survey property boundaries require review to confirm if a property is inside or outside of ALR.	When both LGs and ALC are using the PMBC parcel boundaries.
BCA – Tom O’Brien			Rely on ALR boundary to properly identify ALR coding and related tax exemption codes. A property can be fully within or partially within, and receive exemptions based on the proportion of property within ALR.	When both LGs and ALC are using the PMBC parcel boundaries.

1. Feedback on ALR Dataset Dependency

Organization Name	Source/Refresh Frequency	Alignment Maintenance	Alignment Challenge	Mitigation Strategy
Bowen Island Municipality - Emma Chow	Historically relied on the Islands Trust for mapping of ALR,	Not much ALR so we haven't looked into connecting with the source. We've just done tweaks in house.		
DataBC – Brad Sparks	Working with a custodial area, DataBC replicates data from the operational source on a specified refresh frequency	Don't manage source data. Data Custodian who has a business expert within a ministry or agency who will manage and maintain. Don't manipulate the data, but makes the data accessible to a wider audience.		
BC Hydro – Evan Schwab and Fortis BC – Oscar Huang	Don't actively use the ALR data.			

1. Feedback on ALR Dataset Dependency

Organization Name	Source/Refresh Frequency	Alignment Maintenance	Alignment Challenge	Mitigation Strategy
RDKS – Eva Kirby	Download the ALR through BC Data catalogue.		ALR is used in Planning department as a reference layer to determine if a parcel is within the ALR or which part is within the ALR.	
MoTI –Ben Driver	ALR dataset is currently being dynamically called from DataBC rather than their base source, and this is meeting the team’s needs	3 business areas: <ol style="list-style-type: none"> 1. Development Approvals Business Area 2. Property and Land Management Branch 3. Construction and Maintenance Branch 	All three business areas currently use these sources as reference only spatial layers in context to the ICF (have not adopted PMBC yet).	LTSA’s alignment of PMBC to ALR spatial datasets would add value to the Ministry’s processes.

1. Feedback on ALR Dataset Dependency

Organization Name	Source/Refresh Frequency	Alignment Maintenance	Alignment Challenge	Mitigation Strategy
City of Penticton – Jason Hart Harterra Spatial Solutions	<p>Typically have built systems for the City of Penticton that pull data from the source of truth and use that data rather than have a local version being maintained.</p> <p>Would schedule fairly frequent downloads of ALR if it were available.</p>		<p>Have routines when a user clicks on a property it performs a spatial overlay to determine if a property is in ALR or not. If the boundaries are at all different (i.e. slivers) due to different versions of a property boundary, it will report they are, when in fact it just may be a discrepancy in the line used to define property boundary.</p>	

1. Feedback on ALR Dataset Dependency

Organization Name	Refresh Frequency	Alignment Maintenance
<p>Agricultural Lands Commission – Gabe Hazaparu</p>	<p>Amendments to the ALR data are made quarterly, at the end of: January, April, July and October. A new version of the data reflects all changes made in that three month period.</p> <p>New versions are released when ready - generally there is a short delay before all edits are made and new data is published.</p>	<p>Along with the 'ALR polygons', we also publish the 'ALR_Lines' dataset, which contains an attribute called 'Definition' that provides a description for the ALR line:</p> <ul style="list-style-type: none"> • Legal boundary – for surveyed parcels and R/W boundaries copied from a cadastre layer • Legal digitized boundary – for parcel and R/W boundaries shown on ALR maps but not found in a digital cadastre layer. Usually for new subdivisions • Natural boundary – for natural water boundaries from TRIM data • Digitized TRIM - used for TRIM lines that are roads, railways, bridges, and other human-made, non-natural, non-water constructions • Uncertain – lines where there was difficulty in interpretation • Neatline – Map boundary • Regional District boundary • Provincial boundary • Digitized – for boundaries not defined by any of the above <p>When the definition is 'Legal boundary', the ALR boundary is meant to follow a legal lot line. Whenever there is a misalignment, it is caused by cadastre updates and we try our best to address them as soon as possible.</p>

ALR Alignment Dependencies

Review of Discussion Outcomes and Actions:

- Feedback
- Open Discussion & Next Steps...
 - Prioritize the common challenges

2. Feedback on Federal Lands Dataset Dependency

Organization Name	Source/Refresh Frequency	Alignment Maintenance	Alignment Challenge	Mitigation Strategy
GeoBC – Scott Macphail	<p>Carry Port authority boundaries in the Tantalus system.</p> <p>Where IR's have been resurveyed we try to incorporate this information when we are aware of it.</p>		We generally find our survey parcels are more accurate in the outlying areas when compared to the Federal IR data.	
District of Sooke – Brian Goble	<p>Since the data is used as a reference layer only, refreshed on an "as-needed" basis for projects.</p>		Alignment has not been an issue.	

2. Feedback on Federal Lands Dataset Dependency

Organization Name	Source/Refresh Frequency	Alignment Maintenance	Alignment Challenge	Mitigation Strategy
RDKS – Eva Kirby	Download the IR information		We do a lot of work in the areas surrounding the IRs and it would be beneficial to reconcile PMBC with the IR cadastre.	
BC Hydro – Evan Schwab	Annually	No extra alignment for Transmission Manually Align for Distribution.	Minimal impacts now but will be an issue for us once we adopt PMBC for Distribution because will need to maintain it separate from our other Cadastral.	

2. Feedback on Federal Lands Dataset Dependency

Organization Name	Source/Refresh Frequency	Alignment Maintenance	Alignment Challenge	Mitigation Strategy
MoTI –Ben Driver	Dataset currently being dynamically called from DataBC rather than their base source, and this is meeting the team’s needs.	3 business areas: <ol style="list-style-type: none"> 1. Development Approvals Business Area 2. Property and Land Management Branch 3. Construction and Maintenance Branch 	All three business areas currently use these sources as reference only spatial layers in context to the ICF (have not adopted PMBC yet).	LTSA’s alignment of PMBC to Fed Lands spatial datasets would add value to the Ministry’s processes.
DataBC – Colin Newall	For ministries, intent is that data served from DataBC should meet majority of needs so as to avoid ministries and program areas having to seek, download and store source data with all of the accompanying processes (refresh, etc.)			PMBC Updated on Sundays from LTSA Prov package source and available to users in a variety of formats and accessible directly via map services and map applications.

2. Feedback on Federal Lands Dataset Dependency

Organization Name	Source/Refresh Frequency	Alignment Maintenance	Alignment Challenge	Mitigation Strategy
<p>Fortis BC – Oscar Huang</p>	<p>Refresh the data in our GIS as needed where we have assets in or around them.</p>	<p>Alignment is maintained with the existing cadastre we have in the area. When non-alignment discovered we conflate locally (minimal) so the differences are ‘smoothed’ over. We do have to be fairly carefully in limiting the affected area to prevent the necessary changes from cascading throughout to far away areas.</p>	<p>Misalignment creates issues for us in the sense that most of our assets are referenced off the property line. If the property lines are not in alignment as they should, our assets referenced off these property lines would not line up either.</p>	

2. Feedback on Federal Lands Dataset Dependency

Organization Name	Source/Refresh Frequency	Alignment Maintenance	Alignment Challenge	Mitigation Strategy
<p>City of Penticton – Jason Hart Harterra Spatial Solutions</p>	<p>I think most municipal groups would only update the Federal Lands irregularly and only if they have adjacent or within their boundaries. I would suggest some have integrated IR cadastral into their own cadastral records when they last made a major upgrade to their data/systems and probably haven't modified it much since and do so if there is an identified need or change that affects them.</p>		<p>I think the major need would be to ensure that the outer boundary of the Federal datasets and the provincial one's match and spatially align. Where we have seen that they don't is around natural features where they can be vastly different.</p>	

2. Feedback on Federal Lands Dataset Dependency

Organization Name	Source/Refresh Frequency	Alignment Maintenance	Alignment Challenge	Mitigation Strategy
<p>Esri Canada – David Garipey</p>	<p>Refresh needs vary by organization with some requiring refreshes on an as-needed basis to support specific projects and others requiring regular refreshes (as they take place, quarterly, annually) to support operational activities.</p>	<p>Some organizations may attempt to align these data sets but this activity can be very inefficient from an on-going operational sense</p>	<p>Misalignment varies from area to area and the user has a limited ability to understand which data set (Canada Lands or adjacent mapping) is “correct” – if either. The impact may range from a mere nuisance (with linework gaps and overshoots that erode user confidence) to more serious impacts where the misalignment leads to uncertainty, reduced productivity (as efforts to address the problem at the user end take place) to delays in decision-making.</p>	<p>Esri Canada is also encouraging NRCan to publish its Canada Lands Survey mapping as an aggregated national feature service to make it easier for users to consume.</p>



Federal Lands Alignment Dependencies

Review of Discussion Outcomes and Actions:

- Feedback
- Open Discussion & Next Steps...
 - Prioritize the common challenges

3. Feedback on Spatial Improvement Assessment app

Organization	Does the application help you understand the improvement process?	What could be added or improved to make this more intuitive?
<p>District of Sooke – Brian Goble</p>	<p>Yes, the map gives a good illustration of the known areas requiring adjustment. The areas identified in and around the District of Sooke match well with our knowledge.</p>	<p>I did need to adjust the "Visibility Range" on some layers to keep them visible when zooming in on the map (e.g. "Areas in need of Adjustment").</p>
<p>WSP – Rory O' Connell</p>	<p>The app looks great!</p>	<p>Is there any mechanism to provide feedback on areas where local professionals are aware of spatial deficiencies that are not currently being considered for improvement as a candidate area?</p>
<p>BC Hydro – Evan Schwab</p>	<p>Looks good. Will be a good resource. Can I offer it to others in my company?</p>	

3. Feedback on Spatial Improvement Assessment app

Organization	Does the application help you understand the improvement process?	What could be added or improved to make this more intuitive?
Regional District of Kitimat-Stikine – Eva Kirby	The app looks useful.	I would like to see the hexagons stay visible as you zoom in. There seems to be a gap. I like the sidebar.
Esri Canada – David Gariepy	This looks interesting as there is a strong need to publish this type of information to the user community. Is it possible to allow one or two other people from Esri Canada to be invited to look at this and provide feedback?	

3. Feedback on Spatial Improvement Assessment app

Organization	Does the application help you understand the improvement process?	What could be added or improved to make this more intuitive?
<p>City of Penticton – Jason Hart Harterra Spatial Solutions</p>	<p>I think this is a great high level overview of the spatial adjustments that are required, the candidate areas and what the status of the target areas is. I can see this being useful for individual communities to have a better understanding where they may have issues within their communities.</p>	<ul style="list-style-type: none"> • Show more detail as you zoom into the community level. 1 km level may be too course for a individual community to appreciate where the issues might be. • For relative adjustment vectors - a pop-up that provides actual distance and direction would be useful as it is tough compare it to legend. • Show control points - users can see them in relation to the adjustment vectors. • Group the layers so that you can turn off all of the areas in need of adjustment, candidate areas or the adjustable areas all at once and off.

Spatial Improvements Assessment in ParcelMap BC

Review of Discussion Outcomes and Actions:

- Feedback
- Open Discussion & Next Steps...
 - Prioritize the common challenges

AWG Top Priorities for Upcoming Working Sessions:

Baseline the Priorities:

Possible Topics:

Attribute mapping between ParcelMap BC and other parcels

- i.e. ICF, ICIS or self-maintained

Integration of ParcelMap BC with 3rd party business software

- ex. Tempest, Vadim, etc...

Different ParcelMap BC Data Products

- ex. live web service, different formats, etc...

Alignment of Other (3rd Party) Datasets

- ex. Municipalities / Regional Districts, Crown lands, Zoning, etc...
- Related: Tools to assist in maintaining alignment

Others???

Future Workshops

Workshop #3 (In-Person) Date & Logistics

Wednesday November 21st – 10:30a - 2:00p – In Person

Vancouver (LandSure) & Victoria (LTSA Atrium)

Subsequent Workshop Dates

Wednesday November 21st – 10:30a - 2:00p (In Person)

Wednesday December 19th – 10:00a - 12:00p (Web Conference)

Wednesday January 16th – 10:30a - 2:00p (In Person)

Wednesday February 20th – 10:00a - 12:00p (Web Conference)

Wednesday March 20th – 10:30a - 2:00p (In Person)

Wednesday April 17th – 10:00a - 12:00p (Web Conference)

More to follow...

Wrap-Up

Group Feedback?

Open Questions?

Next Steps...