ParcelMapBC

PMBC Adoption Working Group - Working Session #3 Notes – Nov 21, 2018
In Person Session / Web Meeting

Scribed by: John Samulski, Dennett Woodland

Attendees:

Bart Fyfe - RDKB
Gabriel Hazaparu - ALC
Emma Chow – Bowen Island
Mark Harris – BCA
Jean Bishop – MOTI
David Garnham - BCA
Brian Goble - Sooke
Eva Kerby - RDKS
Evan Schwab – BC Hydro
Oscar Huang – FortisBC
Jason Hart - Penticton
Myron Doherty – Esri Canada
Rory O'Connell - WSP
Scott Macphail - GeoBC
Colin Newall – DataBC
Brad Sparks – DataBC
Dale Sparrow - GeoBC
Tom O'Brien - BCA
Vanessa Pocock - RMOW

Brian Greening - LTSA
Ann Archibald – ICI Society
Steve Mark – ICI Society
John Samulski - LTSA
Dennett Woodland – ICI Society
Paul van Nieuwkuyk – ICI Society
Hari Yeruva - LTSA
Irshad Jamal - LTSA

BG: Today's session is focussed around BCA data – how it is being used, requirements for integration with PMBC, etc.

BG: Review of agenda.

BG: Housekeeping
1. ICI Society Workshop – Victoria, Nov 28
2. Survey / newsletter sent out Nov 20

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3. AWG membership – some "moving on" post adoption / new members
4. Questions / feedback?

PMBC Status Update

BG presented the current stats for PMBC Ops.
- Less than 2 day turnaround province wide achieved.
- Spatial Improvements page and app now public.
- 4th Spatial Improvement AOI about to be published.

Adoption Progress Stats

AA: Presented ICI Society's Status Map showing which parcel fabric is in use in each local area.

AA: Presented statistics around adoption progress – uptake remains ahead of forecast. Q: Does the chart represent uptake or adoption? A: Chart just shows uptake.

AA: Survey provides a "shortcut" to determine more fully where Adopters are at.

BG: **Moving toward more detailed reporting beyond just "uptake" and "adopted".**
(ACTION ITEM) Also will be better able to identify and report on barriers to adoption.

Working Session

ParcelMap BC's Assessment Information Links – Current State

PMBC is a survey fabric, not an assessment / tax fabric.

Includes features without PID/PIN – e.g. roads, parks, etc.

Includes weekly refreshed PID/JUROL reference table from BCA. 2.1 million records.

Examples of assessed entities with no title: Leases, mobile homes, stratas

Also, there are instances where parcels in PMBC do not have a corresponding JUROL. E.g. no PID, crown lands

Emma Chow: Non-titled parcels are causing confusing among staff. Flagging as "interest parcels" helps alleviate this confusion.

Dale from GeoBC: Is there any reason why Interest Parcels are contained in the same layer as titled parcels? BG: PMBC is a "survey network", not a titled (fee simple) parcel fabric per se. Can separate by parcel class if needed**. ICI Society could potentially offer a derivative data product that strips out features that are not of interest.**

Jason: This is an education issue – people need to understand what is in the data set in order to best use it.

Emma: Extra information is useful. Include it but maybe reformat it to be more intuitive.

SM: Should take the conversation off line to determine what a potential spec for this derivative data set might look like. (ACTION ITEM)

Scott M: Are there any other projects at LTSA in the works or planned to support PMBC? BG: Discovery project in place to explore highways and roads… "Planned submission alignment" initiative – would improve 2 day turnaround for updates. SM: Forfeitures? BG: Not specifically being pursued. SM: There is still a gap where crown land is still considered private.

Emma: What is the scope and driver for the Highways and Roads project? BG: TBD – still refining scope, Driver is to develop a better understanding of shape and jurisdiction of public roads in BC. Will fill "voids" with current parcel fabric and provide a more complete picture of land tenure in BC.

Brian G: Some roads data may exist with local gov'ts in their asset management systems. BG: Have looked at this – Surrey for example has a good inventory. Will need to look deeper during solution development phase next year.

Emma: Who else has done this? BG: Not many.

BC Assessment Data Links to Survey Parcels – Current State

Tom:

BCA is not digitizing – compiling information – current at about 90% of all folios in the system.

Cadastre source has been primarily the ICF. "As Is" used to fill in gaps. Other sources used to fill in gaps (e.g. utilities, first nations, crown parcels). Where no geometry available, a "diamond placeholder" is used to represent the parcel.

"Source" field used to document the source of the data.

Assessment fabric used as a base source for BCA systems (e.g. CAMA system). Published on BCA web site.

BCA interested in how people are using the data set, as well as linkages to workflows and other systems.

Mark Harris:

BCA is using PMBC to support the update of the assessment fabric. Have done a couple of jurisdictions. Generally working well so far. Issues being reported and are being fixed in a timely manner. About to change assessment fabric update process province-wide using PMBC. Using PMBC in lieu of ICI Cadastre.

Assessors depend heavily on the spatial representation for their workflows. Need access to the parcel shape asap to support this work. Currently getting weekly updates. This can likely be improved in terms of update cycle.

Only 6 people working on updates. There is a backlog.

Tom/Kim: Folio creation depends on the physical plan to come in. Several "lag points" in the current process. **Opportunity for process improvement to align PMBC updates with BCA workflows.** (ACTION ITEM)

Eva: Current consuming BC Assessment fabric from ICI Society. Is this the same this as what BCA is maintaining? SM: ICI's assessment view is a dissolve on the PID/JUROL table – not the same as what BCA is maintaining.

Vanessa: Some confusion exists about different products that exist to represent the "same thing".

Breakout and Group Working Sessions

Current State
Current State: Data Sets

Most organisations are using a combination of a survey parcel fabric and an assessment fabric to meet their needs.

Multiple representations of the assessment fabric exist – one that BCA maintains, and one that is derived from PMBC by ICI Society and made available to members.

Current State: Workflows/Use Cases

Common workflows among AWG members include:
- Regular loading of BCA to local systems / linking to GIS.
- Reconciliation of JUROL based view with survey fabric view (JUROL/PID relationship).
- Presentation / reporting on BCA assessment advice via GIS.

Current State: Data Operations / Maintenance
Update Refresh Cycle – Frequency

Data updates / refresh cycle varies depending on business need and organisation capacity. Sometimes updates are delayed for weeks or months due to resource constraints.

Update Refresh Cycle – Dependencies / Integrations

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Various environments are used to import / manage BCA data – these include Tempest and AMANDA in the LG space. These are generally linked to a survey fabric data set such as PMBC/ICF/ICIS Cadastre for use in applications.

Members commonly spend time reconciling inconsistencies between the survey and assessment parcel representations. This is accomplished by various means ranging from manual processes to automation via scripts.

Current State: Challenges

The following challenges were identified by AWG members:
- Ability for BCA to access title information sooner in the process to create folio.
- Inclusion of "missing" features from various sources
- Inclusion of "pending/planned" parcels
- PMBC assessment view vs. BCA assessment fabric
- Determining / presenting "correct" area of parcels
- Representation of survey parcels vs. assessed entities
- Folio / PID linkages
- Labour intensive update of BCA data to internal systems
- Spatial representation of "percentage of parcel" assessment information

Group Patterns: Challenges / Gaps

After some discussion, the following challenges and gaps were identified as common among many AWG members:
- Repetitive, labour intensive process to import BCA advice.
- Interpreting / rationalising multiple versions of Assessment fabric.
- Availability of planned/pending parcels and incorporation of same into workflows.
- Accessing the "correct" parcel area value for a particular purpose.
- Achieving a seamless representation of multi-jurisdictional parcel fabric (e.g. first nations).

Group Patterns: Desired Future State

The following items were identified as being key components of a "future state" with respect to using PMBC/BCA data:
- Easier access to / automation of BCA data advice import.
- More comprehensive support of complex relationships between survey fabric and assessment view of fabric.
- Inclusion of "correct" parcel area value as part of PMBC schema.
- Direct / automated / reliable access to PMBC by BCA.

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Future State Initiatives to Investigate

Education / Support

Better support for consumers of data is required. Some components of this strategy would include:

- Data Dictionary: Some terminology used regarding the data sets is not well understood. A data dictionary would help consumers understand how to integrate and apply data effectively.
- "Field Guide": This documentation would provide business context for the data sets in lay terms. (e.g. "Why are the data the way they are?", "How the various similar data products different?")

Data

- One authoritative representation of assessment fabric. Will happen over time at BCA, at which point the ICI Society representation can be decommissioned. Target date for completion is TBD.
- Inclusion of the following in PMBC:
    - Stat ROWs over crown land
    - Foreshore lots
    - Interest parcels
    - Others?

Systems / Tools

- Web service to access PMBC
- Easier access to / automation of BCA data advice import.
- Web service to access BCA Assessment fabric: Currently, multiple consumers are deriving a data set based on the BCA Assessment fabric. There may be common requirements / specifications that BCA could support to avoid multiple individual local Adopter effort.

Governance / Organisation

The future state should maintain the current data custodianship roles, namely:

- LTSA – Responsible for Survey fabric
- BCA – Responsible for Assessment fabric

Outcomes from the Working Session – Top 3

Will ask AWG members to digest working session outcomes and vote for their top 3 initiatives for action by the AWG facilitation team. (ACTION ITEM)

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Facilitator Team Actions

TBD based on outcome of member survey.

Participant Actions

TBD based on outcome of member survey.

Future Workshops: AWG Top Priorities

Potential 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*

Will ask AWG members to nominate future AWG topics via Basecamp/survey.
(ACTION ITEM)

Future Workshops: Timing & Logistics

Wednesday December 19th – 10:00a - 12:00p – Web Conference - **Confirmed**

Subsequent Workshop Dates:
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)

Summary - Action Items / Follow Up

1. Implement more detailed adoption progress reporting scheme. – LTSA/ICI Society
2. Investigate the interest in / feasibility of a derivative PMBC-based product that strips out features (e.g. interest parcels). – ICI Society
3. Investigate opportunities for process improvement to better align PMBC updates with BCA workflows. – LTSA/BCA

4. Create forum for AWG members to "vote" for what top 3 initiatives they wish the AWG facilitation team to pursue. – LTSA/ICI Society
5. Create forum for AWG members to nominate topics for future AWG working sessions. – LTSA/ICI Society