URISA BC Chapter GIS Anywhere, Anytime on Any Device!



MOBILE GIS DATA FOR FIELD PERSONNEL: WE ANSWERED, YOU ASKED

Arnold Schwabe, GIS / IT Coordinator

Town of Qualicum Beach

Our Perception of Ourselves...



Reality



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Background

- □ Internal GIS → Public GIS → Internal GIS&AMS (Asset Management Systems)
- Enormity of paper-based data created difficulties for management
- More requirements for real-time info
- Cost-effective solutions?

Qualicum Beach GIS Solution

Software

- AIMS (Autodesk Infrastructure Map Server)
- Kaliopa Mapguide Mobile Viewer (GitHub)
- Mapguide, GeoRest, Mapguide-rest, Google Map, and Openlayers APIs
- SQL Server Spatial, SQLite, and SDF

FME Workbench

Our Mantra

The most damaging phrase in the language is "We've always done it this way!"

If it's a good idea, go ahead and do it. It's much easier to apologize than it is to get permission.



THE ROAD SO FAR

Strategies we've tried:

- Streamline processes for smaller workforce.
 Pre-empt questions . Less driving and more time for field information (hopefully)
- Built stuff that is still sitting dormant
- Get buy-in
- Pilot with tech savvy individuals
- Patience and handholding
- Adoption through attrition

Current Mobile Applications

- AMS integrated with web-based GIS (Desktop/Mobile Viewer)
- Property
 - Property & Strata Search /w Service Cards
- Utilities
 - Hydrant Maintenance
 - Sanitary Manhole Inspection
 - Road Inspection and Traffic Signs
- Recreation
 - Bench Management

Property & STRATA Search



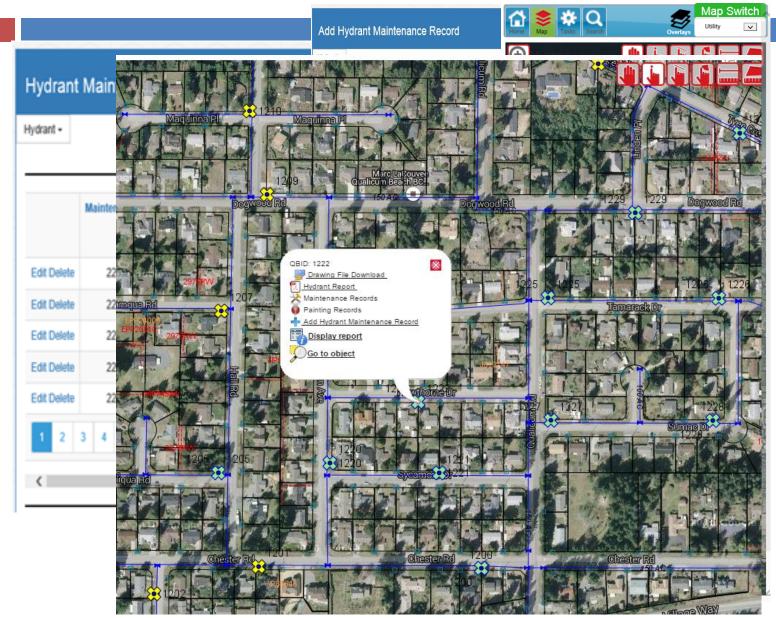
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Address	580 CRES
Parcel ID	017-033-7
Roll Number	103025
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Location	◀ 49.355
Comments	

TQB MAPPING & GIS



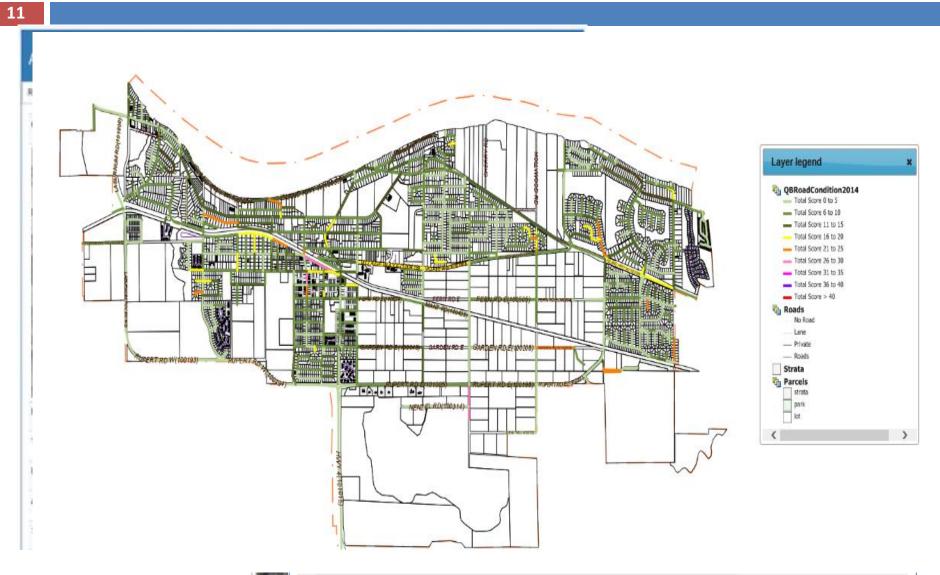
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Hydrant Maintenance

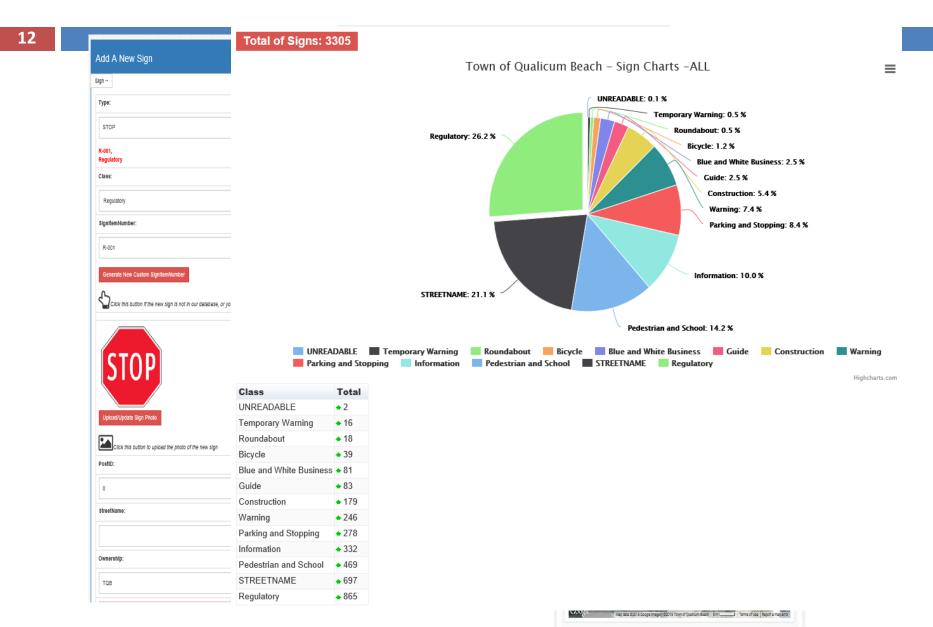


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ROAD INSPECTION



Traffic Signs Inventory

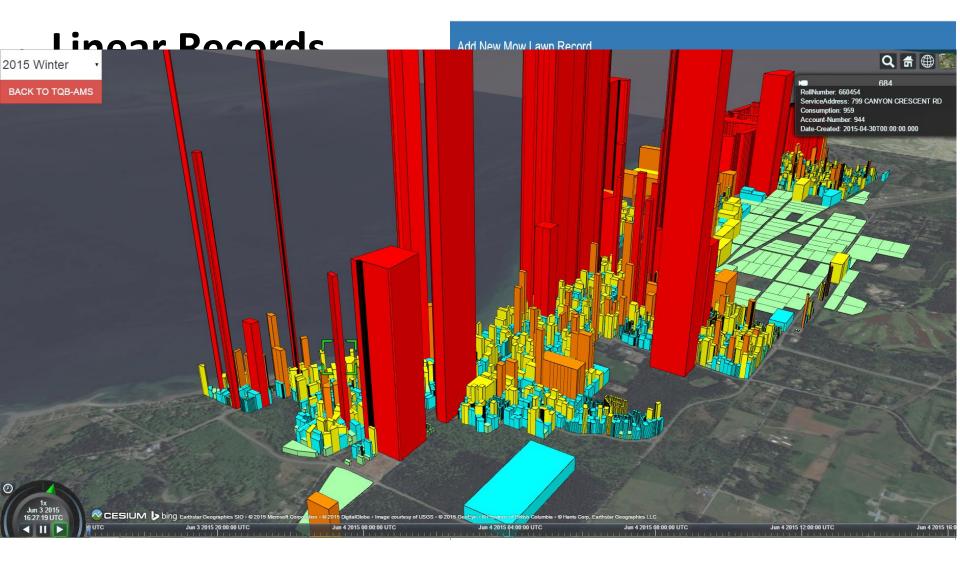


Sanitary Manhole Inspection

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FUTURE PROJECTS

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We Need Better Marketing

A lot of times, people don't know what they want until you show it to them.

Steve Jobs

More Information

Kaliopa Mapguide Mobile Viewer

http://gis.iobcina.si/gisapp/kaliopamobileviewer/

https://github.com/sreckolipovsek/KaliopaMobileViewer (GitHub)

GeoRest (2010-2011)

http://code.google.com/p/georest/

mapguide-rest (Feb 2014 – Current)

<u>https://github.com/jumpinjackie/mapguide-rest</u> (Can be download on GitHub)

<u>https://github.com/jumpinjackie/mapguide-rest/wiki</u> (Wiki) <u>http://themapguyde.blogspot.ca/search/label/mapguide-rest</u> (Jackie Ng's Blog)

YouTube introducing MapGuide, and mapguide-rest

https://youtu.be/WMGY8mHDxWk



Questions?

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