



GeoBC

*business solutions
built on
geographic information*

BUSINESS PLAN 2012-13

www.geobc.gov.bc.ca



Message from Executive

I am pleased to introduce the GeoBC Business Plan for the fiscal year 2012-13. This plan sets the priorities for the delivery of geospatial products and services that support resource management decisions and environmental stewardship across the natural resource sector (NRS).

Resource information management is an essential business accountability within the public service and a critical driver for moving the NRS to the “one land manager” vision. GeoBC is one of the key organizations responsible for ensuring this accountability is delivered efficiently and that geospatial information continues to serve the needs of citizens, industry and our government partners. I know the GeoBC staff are committed to the work they do and the challenges that this brings –ensuring that innovation, collaboration and business improvement shape the future of the organization.

It is also important to acknowledge the linkages our staff have to the delivery of significant BC corporate initiatives including improving access to information through the principles of Open Data Initiative. GeoBC is a key contributor to this important work and we are committed to supporting our colleagues at DataBC in their pursuit of open data objectives.

As the Assistant Deputy Minister responsible for GeoBC, I am always impressed by the insight of staff, their dedication to their work, and their positive outlook even through times of change. It has resulted in a strong, high functioning team that is client-focussed and leads quietly and with determination. My congratulations on, as always, a job well done!

Gary Townsend

Assistant Deputy Minister

Integrated Resource Operations Division



Who is GeoBC?

GeoBC creates and manages geospatial information and products as well as provides consultation services across all natural resource sector (NRS) agencies. While this may sound like a complicated and purely technical role, in practice the group has four very tangible areas of focus directly tied to NRS business functions:



to create and maintain a standard set of base spatial data (e.g. roads, hydrology, terrain, etc.) with the goal of progressively making this information open and accessible for use by all,



providing assurance for two of the Provincial Crown land registries, the information repositories of Provincial rights and obligations – specifically Tantalus and the Integrated Land and Resource Registry (ILRR),

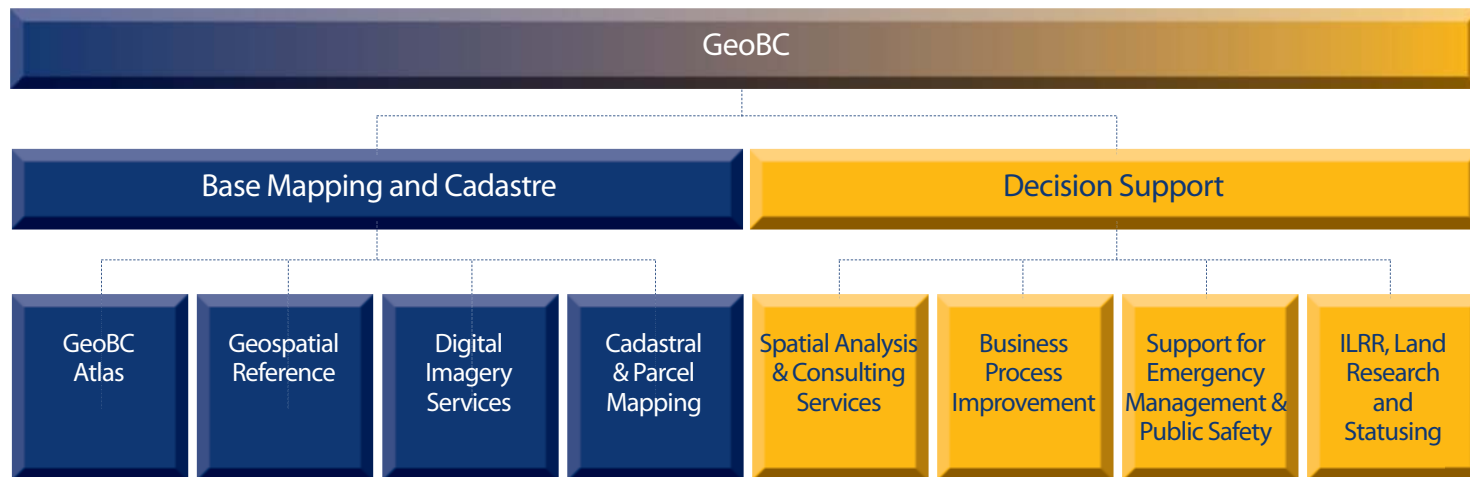


offering Crown land research expertise to other government agencies, both rights-granting and otherwise, and;



offering a service for custom solutions to NRS business issues (e.g. developing mapping products and visualization for avalanche awareness, providing assistance to treaty teams, spatial design and project management support for clean energy projects, etc.),

In short, if an NRS business area has any concerns about or interest in the concept of “place” then GeoBC is involved in some way; whether indirectly through the open provision of the authoritative base information or directly by involving mapping, analysis and land research specialists from the branch.

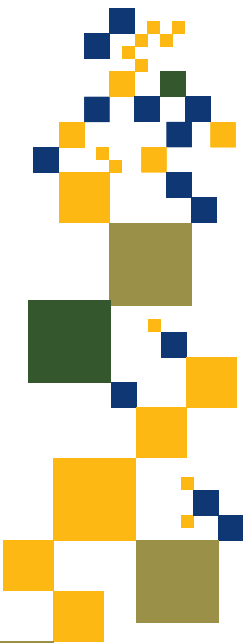


While GeoBC is split into many individual units, all components work together with the goal of providing a seamless experience to clients. Our intention is that partner agencies should not need to understand how GeoBC is structured in order to find the help they need.

GeoBC's role is unique in government. The program is responsible for critical products and services that include the geospatial reference, base mapping, integrated cadastre and parcel mapping, digital imagery, land research and status, tenure business support and boundaries, ILRR, spatial analysis, decision support, business improvement, and emergency response.

The branch delivers on all these responsibilities by relying on a staff of technical experts and professionals in the field of geomatics as well as a team that has extensive knowledge of historical land research. This experience is particularly valuable since the history of land and resource disposition in BC determines what can be done with it in the future and the context truly underpins and informs all land-based decisions made today.

Following the creation of the Ministry of Forests, Lands and Natural Resource Operations as a single agency with responsibility for natural resource operations, GeoBC has refocused efforts in support of the natural resource sector (NRS) since better informed decisions on natural resources both supports a healthier natural environment, and contributes to sustainable economic



development. The group continues to be well positioned to provide insight into operational issues through the application of geographic information, systems and knowledge of land research. Where business questions involve the concept of “place” or “area”, the combination of historical context with modern analysis and visualization tools provides a unique perspective.



Situational Analysis or “What is different now?”

Context within the Natural Resource Agencies

The Ministry of Forests, Lands and Natural Resource Operations (FLNRO) was created in March 2011 to deliver integrated land and resource management services for British Columbians. It is the main agency responsible for establishing the conditions for access to and use of the province’s natural resources.

Working with all stakeholders, the Ministry promotes industry competitiveness and encourages investment in, and development of natural resources and fosters a culture of shared stewardship. FLNRO ensures its activities support sustainable development and protect the public’s interest in these resources.

The Ministry is accountable for the achievement of two key priorities within the natural resource sector: the move to “one land manager”; and the concept of “one project, one process”.

The “One Land Manager” approach means that better and more informed decisions can be made for the natural resource sector. This new structure is based on the principle of “integrated decision making” – the need to facilitate a more streamlined approach to resource management and the processes that support it. Integrated decision making will promote more global investment resulting in new worksites and more jobs while still upholding our strict environmental standards.

Two key priorities within the natural resource sector:
the move to
“One Land Manager”;
and the concept of
“One Project, One Process”.



The 'One Project, One Process' approach is designed to streamline the authorization process. This new way of doing business will provide timely, diligent and consistent outcomes. Now, instead of going to nine different agencies to apply for over 1,200 different types of provincial authorizations, there is one ministry to coordinate and streamline these operations. Furthermore, the 'One Project, One Process' approach is being developed to provide a single framework for NRS project reviews. In the future, clients will work with one provincial contact, and similar projects will be subject to the same review process. This approach will create predictability in the sector and help to attract investment.

These changes within the natural resource sector agencies are a move to build a more integrated, coordinated system that will contribute to improved decisions that support economic development priorities and ensure environmental sustainability of the Province's significant natural assets.



GeoBC has changed

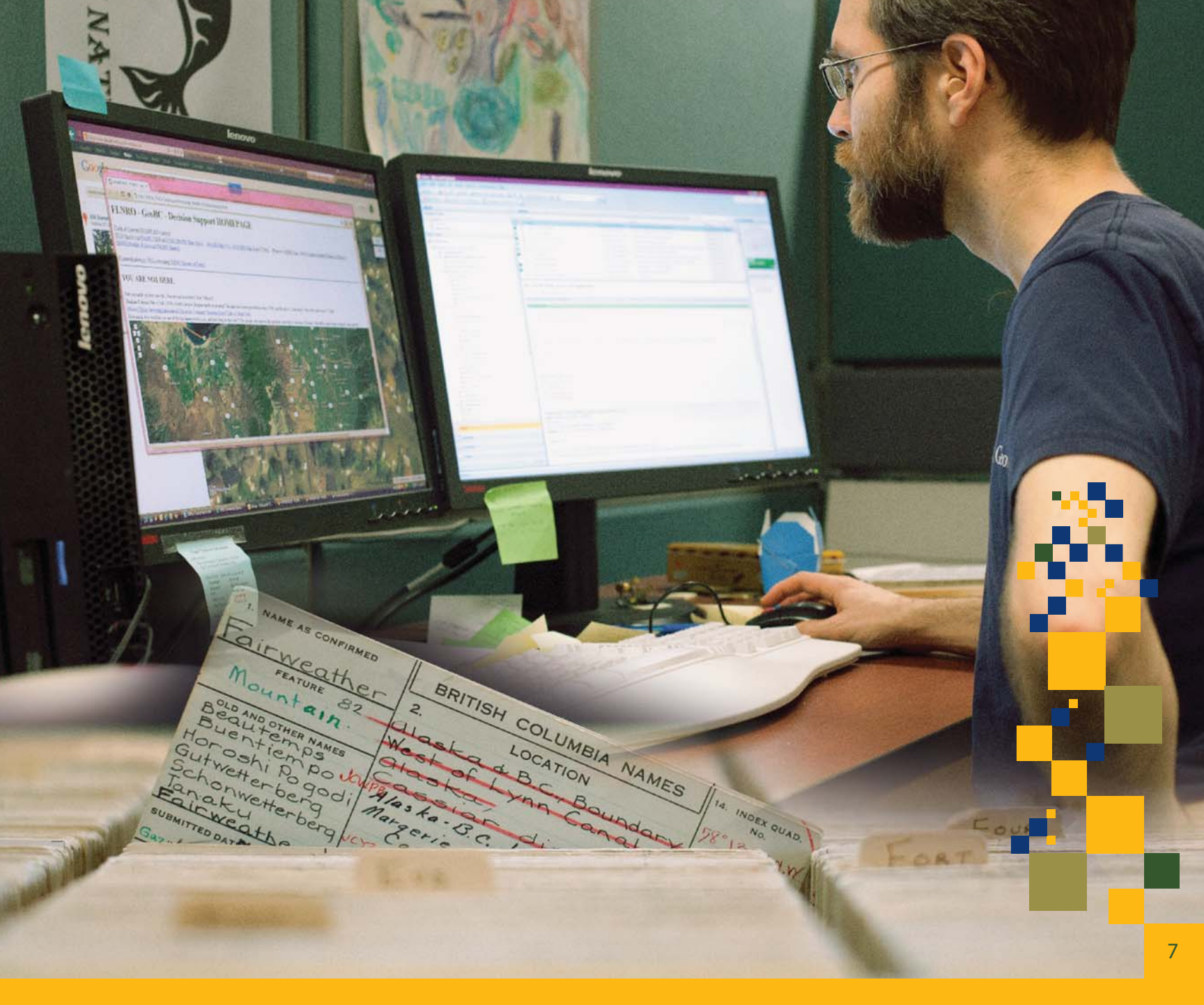
GeoBC under FLNRO is different. Formerly, it included a significant level of IM/IT functions and systems accountabilities. With the creation of FLNRO and the refocus on NRS operations, several GeoBC groups were relocated to other agencies. This included the transfer of the BC Geographic Warehouse and a team of enterprise service experts as the foundation for DataBC, part of the broader open government initiative. These changes have resulted in the reestablishment of GeoBC and its geospatial products and services as a core business line within government. Today, GeoBC is a single branch with a more tightly focussed mandate and role within the natural resource sector (NRS). Due to historical ties to business lines across the sector, the branch is well equipped to advise and support partners with their operational and project needs.

Given the widespread changes in the NRS and the impacts of initiatives such as cumulative effects framework and streamlining of business processes, it is especially important that GeoBC continues to be a fully embedded and active participant in broad NRS initiatives. Since these efforts are dependent upon the availability of, geospatial services, data, and access to information, GeoBC is poised to be a key contributor to the value of the One Land Manager approach and to integrated decision making across the NRS. The branch also works with a diverse range of clients and partners and often the experience

gained in supporting the business of one group leads to benefits which can be broadly shared.

The NRS has also seen significant resourcing challenges over the past several years. In response to those issues GeoBC has focussed on technological and process opportunities to better prepare for a future where the need for support is only expected to increase. These new approaches are built on the need for inclusivity and open access to information that serves and supports citizens and communities across BC.





1. NAME AS CONFIRMED	
Fairweather Mountain	82
FEATURE	
OLD AND OTHER NAMES	
Beautemps	
Horoshi Pogodi	Jup
Gutwetterberg	
Schonwetterberg	
Tanaku	
Fairweather	JCP
SUBMITTED DATA	

2. BRITISH COLUMBIA NAMES	
LOCATION	
Alaska & B.C. Boundary	
West of Lynn Canal	
Alaska	
Cassiar	
Alaska - B.C.	
Margerie	

14. INDEX QUAD. No. 58° 12'

Goals and Objectives

The purpose and mission for GeoBC must be defined with the view of an interconnected and interdependent natural resource sector (NRS). The broader NRS has a well defined mandate and the responsibility of GeoBC is to determine how best to help achieve those outcomes in a way that makes the best use of the abilities and strengths of the branch as well as in a manner that continues to meet the needs of clients and partners.

MAKING THE CONNECTION

Province of British Columbia Strategic Priorities

Priority 1: A government that is focused on creating and supporting job creation and investment in the province.

Priority 2: A government that works continuously to improve social programs that support families and improve the lives of British Columbians.

Priority 3: A government that supports job creation and families on the basis of open engagement with citizens.

Goal 1: Efficient, citizen-centred public service delivery.

Goal 2: Coordinated and sustainable management, use and stewardship of B.C.'s natural capital.

Goal 3: Productive, thriving natural resource sector and resilient communities.

Ministry of Forests, Lands and Natural Resource Operations Goals

GeoBC Business Plan



Key Goals

Throughout all of the recent changes to the NRS, GeoBC remains fully committed to the core products and services which our clients depend upon for the successful delivery of their business. The branch has a long standing culture of continuous improvement and seeks to apply advances in technology and process to more efficiently deliver on our responsibilities.

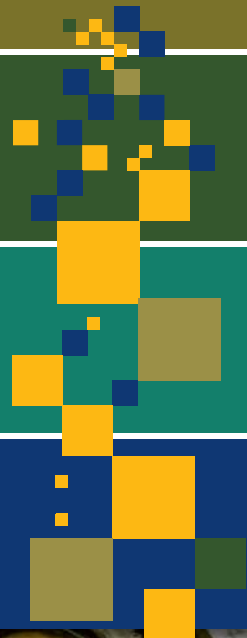
Beyond the established core business, the branch does recognize that given the evolution of the NRS, there is a need to refine our services to continue to meet the needs of the sector. The following identify the goals, objectives, strategies, key initiatives and performance measures for moving forward.

GOAL 1 **Leadership in Geospatial Products**
Lead the creation, maintenance, management and use of foundational authoritative spatial information for the natural resource sector; including base maps, imagery and land ownership information.

GOAL 2 **Streamline Service Delivery**
Provide custom solutions for NRS priority work where the business outcome requires an understanding of 'place'.

GOAL 3 **Client Value**
GeoBC becomes a mission-critical component in support of clients.

GOAL 4 **Business Transformation through Innovation**
Continuous exploration of new approaches and emerging technologies to enhance service delivery.



GOAL 1

Leadership in Geospatial Products

Lead the creation, maintenance, management and use of foundational authoritative spatial information for the natural resource sector; including base maps, imagery and land ownership information.

Priority Objective

Focus on products that continue to modernize natural resource information and how it is accessed

- > **Review the role and purpose of the Integrated Land and Resource Registry (ILRR) for optimization.**
- > **Update key base mapping products as a priority to support the ILRR.**

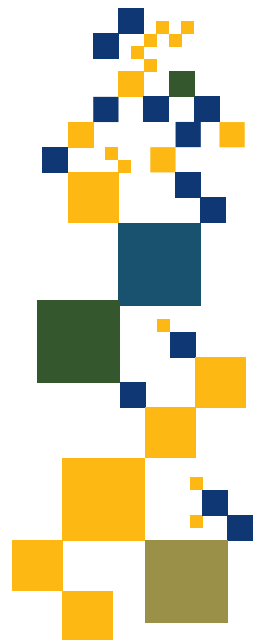
Build sustainable partnerships that drive innovation

- > **Pursue cost-sharing partnerships in development of new base mapping products.**

Build sustainable business models for programs that are important to stakeholders and clients

- > **Review operational programs for opportunities to develop new models or alternate means of service provision.**

Strategies





Initiatives

- > Increase internal capacity to support the Integrated Land and Resource Registry (ILRR) through cross-training.
- > Develop new training and reference materials to build familiarity of the tools.
- > Develop the Consolidated Parcel Fabric with external partners.
- > Enhance image acquisition service offerings using different imaging platforms.
- > Continued development of the GeoBC Atlas (GBA) mapping environment.
- > Complete transition to Digital Imagery and provide support to clients in adapting workflows.
- > Completion & continuous improvement of Integrated Cadastral Fabric (ICF).
- > Develop a plan to utilize the GIS resource across the province to assist in maintaining the base mapping layers (i.e. closest to source/business area).

Performance measures

- > The new base mapping operational environment (GeoBC Atlas) is in production with at least two feature layers e.g. Integrated Transportation Network and Integrated Water Network layers.
- > Develop a business plan in consultation with partners for the integration of the Consolidated Parcel Fabric (CPF) into provincial systems including ILRR & Tantalus.
- > Achieve a best provincial coverage for the Integrated Cadastral Fabric (ICF) and utilize this as a first cut for CPF.
- > Public has access to both hardcopy air photos and digital copies (via BMOS online archive or Scan-On-Demand service).
- > Build service catalogue of imagery offerings.
- > Complete review of the GeoSpatial reference Group with the possibility of migrating some of the responsibilities and functions to primary stakeholders.

GOAL 2 Streamline Service Delivery

Provide custom solutions for natural resource sector (NRS) priority work where the business outcome requires an understanding of 'place'.

Priority Objective

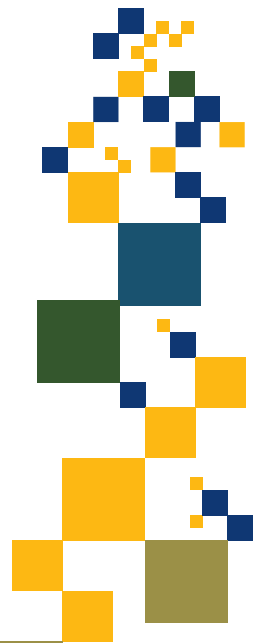
Shift from agency-specific service delivery to an NRS priority-based model

Focus on products and services that support FLNRO's goal of implementing the single land manager principle

Strategies

- > **Expand and refine the role of the external membership on the GeoBC Priority Advisory Group (PAG).**
- > **Guide all new GIS support requests from the NRS through the PAG for endorsement.**

- > **Clearly define GeoBC's land research role to one of risk mitigation and oversight – ensure that the broad NRS is aware of this available service.**
- > **Develop new service offerings with a focus on providing Land Research support and training.**
- > **Reinforce the importance of base mapping products as the foundation for applications used in making land-based decisions – this is core business for GeoBC and reinvestment is required.**





Initiatives

- > Refine the Business Delivery Model for GIS services.
- > Increasing the membership of the inter-agency Priority Advisory Group.
- > Actively monitor the NRS for new requirements and evolving needs around base mapping products.
- > Explore the creation of a base mapping advisory group.
- > Development of training resources for broad Land Research efforts.
- > Facilitate the creation of a “values fabric” in support of the Cumulative Effects (CE) project using base mapping products.
- > Explore the value of maintaining Crown Land registry functions within GeoBC as opposed to locating closer to business area.

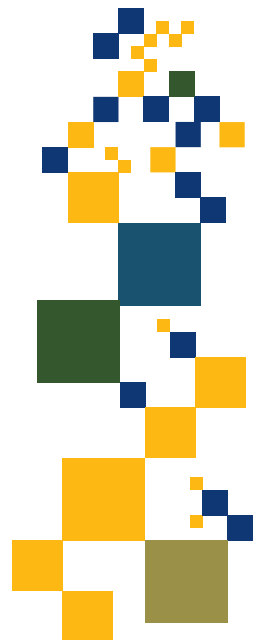
Performance measures

- > Make formal training materials/coursework available to agencies involved in land research activities.
- > Increase PAG membership –seek one additional member from FNLR and one from MOE.
- > All crown land transactions between LTSA / GeoBC / Regions will be streamlined (e.g. digital transactions only).
- > Increase the number GeoBC’s geographic data products available via DataBC portal.

GOAL 3 Client Value

GeoBC becomes a mission-critical component in support of clients.

Priority Objective	Strategies
<p>Provincial coordination of geospatial services for emergency response and public safety stakeholders</p>	<ul style="list-style-type: none"> > Continue to lead provision of provincial geospatial services in support of emergency management and public safety, both in terms of the Emergency Management portfolio as well as through TEAMS participation and support to PEP. > Provide a single point of contact and liaison role between emergency management stakeholders and our partners i.e. DataBC and Corporate Services for Natural Resource Sector – Information Management Branch (CSNR-IMB).
<p>Formalize the role of GeoBC in major initiatives including “cumulative effects” and integrated decision making</p>	<ul style="list-style-type: none"> > GeoBC to continue involvement at the project and steering committee for the Cumulative Effects project. > Assist the development of the Cumulative Effects Values Fabric and demonstration projects. > Support the Energy and Emissions portfolio which includes interests from Jobs, Tourism and Innovation; Climate Action Secretariat; Energy and Mines; and, the Natural Resources Canada.
<p>Build a new collaborative relationship with former GeoBC business lines including those in CITZ and CSNR-IMB</p>	<ul style="list-style-type: none"> > There are often aspects to client requests that require a close alignment with CSNR-IMB and DataBC to be successful and this relationship is integral to meeting client expectations.
<p>Actively communicate GeoBC expertise and contributions to the FLNRO mandate</p>	<ul style="list-style-type: none"> > Increase awareness of how GeoBC can support objectives of NRS agencies.





Initiatives

- > Continue to enhance situational awareness tools (e.g. BCeMap) by leveraging evolving technologies.
- > Continue to prioritize efforts that support the Emergency Response portfolio.
- > Review of external business workflows involving GeoBC for potential efficiencies and alternate means of delivery.
- > Outreach efforts to ensure that NRS agencies are aware of how GeoBC can contribute to their success.
- > Develop a plan to respond to workforce changes.

Performance measures

- > Update service agreement between GeoBC, EMBC and DataBC.
- > Complete service provision and staff deployment protocols for wildfire response.
- > Hold information and training sessions in each of the four provincial areas.
- > Complete data assessment project for Cumulative Effects demonstration.
- > Re-launch of GeoBC website to reflect new products and services.



GOAL 4 Business Transformation through Innovation

Continuous exploration of new approaches and emerging technologies to enhance service delivery.

Priority Objective

Promote continuous improvement through all business processes

Strategies

- > **Establish a more innovative approach to service delivery through ongoing investment in business improvement and training initiatives.**
- > **Promote innovation across GeoBC and the GIS business line.**
- > **Focus research on emerging technologies with specific client needs in mind.**
- > **Support client business transformation through collaboration and sharing of ideas and solutions.**
- > **Invest in organizational capacity building through training and business improvement in light of increasing demand but fixed staffing.**
- > **Support implementation of Gov 2.0 Strategy and Technology and Transformation plans with Partners.**

Maintain and build relationships with partners (e.g. Data BC and CSNR-IMB) for seamless and effective delivery of services

- > **Continue to be an active participant in the decision-making and IM/IT consultation process around new corporate GIS tools – provide a user perspective to this decision making process.**



Initiatives

- > Develop and implement provincial coordinated training and business improvement strategy.
- > Lead “facilitated hackathons” for partner agencies to assist in developing new approaches to their business.
- > Develop mobile solutions prototypes.
- > Continue to evaluate geospatial solutions such as ArcGIS Server/GeoCortex Essentials, Mobile solutions and Open Source GIS in partnership with Partners.
- > Develop new approaches to service delivery to keep pace with requests for decision support services.
- > Explore opportunities with corporate GIS tools to provide intuitive self-serve tools for clients.

Performance measures

- > Hold four hackathons in 2012/2013.
- > Develop mobile solutions prototypes for three business areas.
- > Increase in percentage of effort spent on business improvement and training over the previous year.
- > Track return on investment on business improvement and internal training initiatives.
- > Conduct a client feedback and satisfaction survey.
- > Completion of a GeoBC Data product review with the goals of providing data through DataBC portal under the Open Data license.

Our Team

We are a team based both in Victoria and in the regions that remain committed to ensuring GeoBC continues to develop as a provincial service provider. Our team is dedicated to contributing to the mission of the NRS and we are deeply knowledgeable about our field. We are enthusiastic to keep learning as the Province's business evolves.

We are the "neo geographers" of tomorrow that have the skills necessary to contribute to the future of the NRS. While the field of geomatics is very technical in nature using science and information technologies to gather and manage spatial data, the new era requires us to broaden that perspective to incorporate more sophisticated skills such as scenario modeling and trend analysis, to improve awareness of broad NRS business issues and our clients business challenges, and to develop new styles of communication using rich visualizations. With strong project management underpinning our work, we have the skills and abilities to effectively contribute to the decision making and problem solving process of our partners.

Our staff reaches for excellence and we aim to excel in teamwork, communications, technical expertise and project and workflow management as we improve our service delivery capabilities and develop our future leaders.

We cannot be as effective and efficient as we are without the support of our government colleagues, including Data BC, CSNR-IMB and Regional Operations.





Our Clients

The BC government's natural resource ministries account for the majority of our client activity. In addition to meeting the expanding demands of our existing clients, we are developing new relationships with other agencies.

B.C. Ministries

- > Aboriginal Relations and Reconciliation
- > Advanced Education
- > Agriculture
- > Community, Sport and Cultural Development
- > Education
- > Energy and Mines
- > Environment
- > Forests, Lands and Natural Resource Operations
- > Health
- > Jobs, Tourism and Innovation
- > Justice
- > Labour, Citizens' Services and Open Government
- > Social Development
- > Transportation and Infrastructure

Other Organizations

- > Agricultural Land Commission
- > BC Assessment Authority
- > BC Ambulance Service
- > BC Hydro
- > BC Stats
- > Cabinet Operations
- > Canadian Avalanche Centre
- > Climate Action Secretariat
- > Department of National Defence
- > Ecomm 9-1-1
- > Elections BC
- > First Nations
- > GeoConnections (Federal Program)
- > Land Title and Survey Authority of British Columbia
- > Natural Resources Canada
- > Oil and Gas Commission
- > Royal Canadian Mounted Police
- > Statistics Canada
- > Western Canada Marine Response Organization
- > Local/Regional governments



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