COMPARISON OF WEB MAPPING TOOLS
Updated October 2022

Tool	Description	View data layers	Upload(import) existing shapes (digital files)	Export Image	Digital Shape Creation (aka Export files?)	View Land Interests	View Water Interests	View Mines Interests	View Forests Interests	Reporting	Query / Selection Capability	Search by Address	Search by PID	Search by Water Interest	Search by attribute values (fields) in a layer	Search by Mapsheet	Map Creation	First Nations Contact Information Available	Ability to Save your Project for future use
Discovery Tool	Has various land interest layers pre-loaded into Google Earth that provides basic information on how the land base is currently used. The information can be used to assist you in choosing an appropriate application area for your needs. Can also email a screenshot / kml /current view as an email attachment	Land Act Tenures, Land Interests, Land Ownership, Mnes etc	KML, KMZ, shp and others	YES - PDF format	Geomark / KML / KMZ	YES	NO	YES - incl Assessment Report Index System (ARIS) Database	NO	NO	NO	YES	NO	NO	NO	NO	YES	YES - through SOE Report link available when clicking on the "First Nations Consultation Areas" layer	Save a Configuration file
Explore by Location (NR Online Services)	The Explore web map is located in the NROS portal. The web map includes a large number of natural resource spatial data layers, query capabilities and a custom report to assist in evaluating existing activity on the land base. The report will be of particular use to clients who are considering submitting a Natural Resource application.	YES	Multiple formats - KML, GPX, JSON, WKT, Geomark & SHP	NO	Multiple formats - Shapefile, KML, GPX, JSON, WKT, TXT & Geomark	YES	YES	YES	YES	YES - on screen summary report as well as pdf summary/detailed report	YES	YES	YES - PID can be searched on through the "Query/Selection" function	YES - Can be searched on through the "Query/Selection" function	YES	YES	YES		YES - avail when running a report
Integrated Land and Resource Registry (tenures focused)	Web mapping tool for viewing over 280 different legal interests on crown land, including tenures, land and resource uses, information on crown/private land parcels. Primary function is to upload a shapefile, and produce a report. There are several report types to choose from. Public Users have access the Map Viewer and a restricted number of layers. External Business users and Internal government users have full access to the ILRR.	YES	KML, shp, JSON, GPX, Geomark, WKT	NO	KML, shp, JSON, GPX, Geomark, WKT	YES	YES	YES	YES	Available to internal gov't users and users with a Business BCeID	YES	YES	YES	YES	YES	YES	YES	YES	YES
iMapBC (general viewer)	Web mapping tool for viewing a large variety of natural resource spatial data, including land interest layers. Can upload shape files and text files, or draw a shape on screen and drill-down for detailed information on areas that overlap your area of interest. Includes some analysis tools to create data queries, or run pre-canned reports. 2 versions available: public version and a restricted version for Business BCeID users and Internal Government users.	YES - full access to unrestricted layers in the BC Government Data Warehouse (BCGW).	shp, csv, xlsx, KML, gpx, zip(with fgdb or shp)	exports to standard image formats (bmp, jpeg, TIFF, geoTIFF, pdf,geoTIFF url	Shapefile (shp)	YES	YES	YES	YES	reporting available only in the restricted version.	YES	YES	YES	YES	YES	YES	YES	YES - in the restricted version only	YES - in the restricted version only
Mineral / Coal / Placer Map Viewer (title searches and event registration) Common Web Map	There are separate map viewers for Coal, Placer or Mining interests, in either CWM or IMF formats. **CWM is the map viewer used for title and reserve site searches and event registrations where a map is provided to select cells or titles.**	YES	KML, shp, JSON, GPX, Geomark, WKT	NO	NO	YES	YES - Community Watersheds	YES	YES - TFLS	NO	YES - very basic	YES	YES - Search by PID	YES - Community Watershed	YES	YES	YES - auto generated within MTO for mining clients.		YES
Mineral / Coal / Placer Map Viewer (mapping/query - map creation,) IMF2	There are separate map viewers for coal, placer or Mining interests, in either CWM or IMF formats. **IMF2 is the mapping and query tool map viewer that provides tools for map creation, drawing, markup, printing, detailed searches of mineral, placer and coal titles; mineral and coal land reserves; primary parcels; crown grants or wildlife.**	YES	NO	export to standard graphic formats such as TIFF, jpg etc	YES - Shapefile (shp)	basic land interests such as survey parcels, RoW, lease applications	NO	YES	NO	NO	YES - General query as well as mining and cadastre pre-canned queries	YES	YES	NO	NO - can use Query tool for this	YES	NO	NO	NO

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ParcelMap BC	Web mapping application focusing on active titled(private) and crown surveyed lands. Only data relating to land ownership is available through this application	YES	NO	YES - part of the "Print" feature	NO	YES	NO	NO	NO	NO	YES	YES	YES	NO	YES	NO	YES	NO	NO
Mapview - focus on Forest Stewardship, Genetic Resources, Vegetation, Silviculture & Forest Tenures	Requires a BCeID(Business or Personal) or an IDIR to access this application. Mapview has many pre-defined queries for use that makes it easy to find/search features relating to forestry, vegetation, silviculture and forest tenures	YES	shapefile (shp) or comma delimited file (csv)	export to standard graphic formats such as TIFF, jpg etc	YES - Export to Shapefile (shp)	YES	YES	YES	focused on forestry data and activities	SOE Reports available	Pre-Canned queries focused on Forestry activities	YES	NO	NO		NO	PDF format		
BC Water Resource Atlas (water focused)	This is an application specific to water data. Allows you to query and find detailed water related data such as watersheds, water quantity & quality monitoring sites, aquifers, water wells and flood protection.	YES - data specific to water	NO	NO	NO	NO	YES	NO	NO	NO	Pre-canned queries for water related data such as POD, Water Licence #, Well ID, Aquifer etc.	YES (use "Query" tool)	YES	YES	NO - see 'Query' tool for pre-canned queries	NO	can save into various formats...pdf, jpg, tiff etc	NO	NO
BC Agriculture Water Calculator	Web mapping application that helps agriculture water users estimate the annual 'irrigation' or 'livestock' water demand for a farm. Includes a drawing mode for making a map - with pre-symbolized features to help you identify and label details relevant to your water system	Yes- very limited	NO	NO	NO	Only ALR, Land Parcels, Aquifers, Watersheds, Fraser Valley Watercourses, Wells, and Points of Diversion	NO	NO	NO	YES - Annual Irrigation and Annual Livestock water demand reports	NO	YES	YES	NO	NO	NO	NO, however a basic map is produced when running the reports	NO	NO
Water Licence Search	Online form with no web map component - this provides information on authorized water use in BC by searching the stream name, water use purpose and/or water licence number.	Online fillable form that that allows you to search for a Water Licence using various criteria such as Licence #, Stream Name, Purpose etc. Results can be exported to a spreadsheet format or mailing label format																	
Geomark Web Service	This tool converts spatial data from one file format to another. The Geomark Web Service allows you to create and share geographic areas of interest over the web in a variety of formats and coordinate systems. If you are considering submitting an application for Crown resources navigate to the FrontCounterBC Discovery Tool which also uses this service to define the area that you are interested in for your proposed application.	Online conversion tool that has no web mapping component. Spatial data files created in other applications can be converted to a 'shareable' Geomark, Shapefile, KML's, and other formats. Once converted, these files can be viewed in Google Earth and other mapping applications (depending on format of the file)																	