

Terrestrial Ecosystem Information (TEI)

Tools and Processes Overview

This sheet was developed to help direct environmental professionals, industry, governments, and the public to provincial government tools and products that are available for submitting, accessing, and interpreting Terrestrial Ecosystem Information (TEI). TEI is defined as the inventory, mapping and modeling of terrestrial ecosystems, soils, terrain, habitat, and species. Collectively, TEI includes Terrestrial Ecosystem Mapping (TEM), Predictive Ecosystem Mapping (PEM), Sensitive Ecosystem Inventory (SEI), terrain mapping (TER), soils mapping (SOIL), Wildlife Habitat Ratings (WHR) mapping, Species Distribution Modelling (SDM), Broad Ecosystem Inventory (BEI), Ecoregion Classification, wetland mapping and other related or supporting inventory and mapping.

Reports and supplemental TEI project information are available through the [Ecological Reports Catalogue \(EcoCat\)](#) which can be searched directly through the [Cross-Linked Information Resource \(CLIR\)](#) tool. Spatial data, including project boundaries and inventory polygons, for use with Geographic Information System (GIS) software are available through the [BC Data Catalogue](#) and are viewable with simplified attributes through [iMap BC](#). Full spatial datasets are provided in geodatabase formats and include [RISC standard](#) attributes, as well as user defined tables and field data, where applicable. Scanned legacy maps are available through a self-serve distribution site. Access to additional information is available through the [TEI website](#) and periodic program updates are available through TEI listserv (email TEI_mail@gov.bc.ca to join). These tools, products and services are described in more detail in the *Information Access Locations and Tools* section.

Important note: Data published to public access locations, such as the BC Data Catalogue and the FTP site, only contain data up to the most recent publication date. Data publication to public facing access points does not occur on a set cycle and, therefore, published content may differ from internal operational databases that are updated more frequently. To make sure users are accessing the most up-to-date information, it is advised that users contact TEI group at TEI_mail@gov.bc.ca to confirm the project status for specific areas of interests.

Information Access Locations and Tools

<p style="text-align: center; color: #c00000; font-weight: bold;">Home Pages</p> <p>TEI information, standards, tools, and services</p>	<p>TEI: https://www2.gov.bc.ca/gov/content/environment/plants-animals-ecosystems/ecosystems/search-ecosystem-info</p> <ul style="list-style-type: none"> • TEI Standards: https://www2.gov.bc.ca/gov/content/environment/plants-animals-ecosystems/ecosystems/tei-standards • TEI Data Submission: https://www2.gov.bc.ca/gov/content/environment/plants-animals-ecosystems/ecosystems/submit-tei <p>Terrain: https://www2.gov.bc.ca/gov/content/environment/air-land-water/land/terrain/about-terrain-mapping</p> <p>Soils: https://www2.gov.bc.ca/gov/content/environment/air-land-water/land/soil</p> <p>Wildlife Habitat: https://www2.gov.bc.ca/gov/content/environment/plants-animals-ecosystems/wildlife/wildlife-habitats/wildlife-habitat-mapping</p>
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<p style="text-align: center;">Search Tools</p> <p>Search tools for locating data, applications, and reports</p>	<p>BC Data Catalogue (BCDC) A place to find, access and explore a wide range of B.C. Government data, applications, and web services.</p> <ul style="list-style-type: none"> Catalogue information: https://www2.gov.bc.ca/gov/content/data/bc-data-catalogue Direct link: https://catalogue.data.gov.bc.ca/ <p>Cross Linked Information Resources (CLIR) For searching multiple sources of environmental and natural resources information simultaneously through a single search window, including:</p> <ul style="list-style-type: none"> BCSEE – BC Species and Ecosystems Explorer EIRS BDP – Environmental Information Resources e-Library for Biodiversity EcoCat – Ecological Reports Catalogue <p>CLIR direct link: https://www2.gov.bc.ca/gov/content/environment/research-monitoring-reporting/libraries-publication-catalogues/cross-linked-information-resources-clir</p>
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<p style="text-align: center;">TEI GIS Data Download</p> <p style="text-align: center;">(Full data packages)</p> <p>Self-serve GIS data including polygons with full RISC standard attributes (i.e., TEI Long Table)</p>	<p>TEI FTP Distribution Site A distribution site for TEI data, subset by location. Includes Project Boundaries (with project metadata and links to related data such as reports), Long Table (detailed mapping polygons with the full RISC standard attribute table), Short Table (detailed mapping polygons with key and amalgamated (concatenated) attributes derived from Long Table), On-site Symbol features, Sample Sites, and any user-defined tables.</p> <p>Catalogue link: https://catalogue.data.gov.bc.ca/dataset/terrestrial-ecosystem-information-tei-data-distribution-packages</p> <p>Direct link: https://www.env.gov.bc.ca/esd/distdata/ecosystems/TEI/TEI_Data/</p> <p>TEI GIS Data Packages subset by location (excluding PEM):</p> <ul style="list-style-type: none"> Dist_Pkg_NonPEM_Cariboo_Okanagan_Kootenay_gdb Dist_Pkg_NonPEM_Coast_gdb Dist_Pkg_NonPEM_Northeast_Skeena_Omineca_gdb <p>PEM GIS Data Packages subset by location (excluding other TEI data sets):</p> <ul style="list-style-type: none"> Dist_Pkg_PEM_Cariboo_gdb Dist_Pkg_PEM_Thompson_Okanagan_gdb Dist_Pkg_PEM_Kootenay_Boundary_gdb Dist_Pkg_PEM_Coast_gdb Dist_Pkg_PEM_Northeast_gdb Dist_Pkg_PEM_Skeena_gdb Dist_Pkg_PEM_Omineca_gdb <p>Domains and Data Dictionaries</p> <ul style="list-style-type: none"> Dist_Pkg_Domains.xlsx Dist_Pkg_Data_Dictionary.xlsx <p>Soil FTP Distribution Site A distribution site for soil data. Includes polygons in geodatabase format, data dictionary, documentation, and point location sample sites.</p> <p>Direct link: https://www.env.gov.bc.ca/esd/distdata/ecosystems/Soil_Data/Soil_Data_Pkgs/</p>
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<p>TEI GIS Data Download</p> <p>(Simplified Attributes)</p> <p>Self-serve GIS data with simplified concatenated attributes (i.e., TEI Short Table)</p>	<p>BC Data Catalogue Data Downloads</p> <p>Project Boundaries</p> <ul style="list-style-type: none"> • TEI (all project types): https://catalogue.data.gov.bc.ca/dataset/terrestrial-ecosystem-information-project-boundaries • TEM: https://catalogue.data.gov.bc.ca/dataset/terrestrial-ecosystem-mapping-tem-project-boundaries • PEM: https://catalogue.data.gov.bc.ca/dataset/predictive-ecosystem-mapping-pem-project-boundaries • SEI: https://catalogue.data.gov.bc.ca/dataset/sensitive-ecosystems-inventory-sei-project-boundaries • TER: https://catalogue.data.gov.bc.ca/dataset/terrain-mapping-ter-project-boundaries • SOIL: https://catalogue.data.gov.bc.ca/dataset/soil-survey-project-boundaries • WLD: https://catalogue.data.gov.bc.ca/dataset/species-distribution-modeling-and-wildlife-habitat-ratings-project-boundaries <p>TEI Short Table</p> <ul style="list-style-type: none"> • TEI (all project types): https://catalogue.data.gov.bc.ca/dataset/terrestrial-ecosystem-information-tei-detailed-polygons-with-short-table-attribute-table • TEM: https://catalogue.data.gov.bc.ca/dataset/terrestrial-ecosystem-mapping-tem-detailed-polygons-with-short-attribute-table-spatial-view • SEI: https://catalogue.data.gov.bc.ca/dataset/sensitive-ecosystems-inventory-sei-detailed-polygons-with-short-attribute-table-spatial-view • TER: https://catalogue.data.gov.bc.ca/dataset/terrain-mapping-ter-polygon-attributes • TIM: https://catalogue.data.gov.bc.ca/dataset/terrain-inventory-mapping-tim-detailed-polygons-with-short-attribute-table-spatial-view • TSM: https://catalogue.data.gov.bc.ca/dataset/terrain-stability-mapping-tsm-detailed-polygons-with-short-attribute-table-spatial-view • TBT: https://catalogue.data.gov.bc.ca/dataset/bioterrain-mapping-tbt-detailed-polygons-with-short-attribute-table-spatial-view <p>Soil Surveys and Agriculture Capability</p> <ul style="list-style-type: none"> • Name and Layer files: https://catalogue.data.gov.bc.ca/dataset/soil-name-and-layer-files • Soil Survey polygons: https://catalogue.data.gov.bc.ca/dataset/soil-survey-spatial-view • Agriculture capability: https://catalogue.data.gov.bc.ca/dataset/agriculture-capability-mapping
<p>Mapping Applications</p> <p>(Simplified Attributes)</p> <p>Mapping applications containing GIS data with simplified attributes (i.e., TEI Short Table, Soil Survey views)</p>	<p>Exploratory self-serve mapping applications that allow users to dynamically explore TEI GIS data across the province.</p> <p>iMap BC</p> <p>View and analyze the thousands of geographic datasets stored in the B.C. Geographic Warehouse, upload their own map data, and print or email the results of their work. View TEI project boundaries and detailed inventory polygons with the ability to overly this data with other layers in iMap BC including base mapping, imagery, and watershed boundaries. Link: https://www2.gov.bc.ca/gov/content/data/geographic-data-services/web-based-mapping/imapbc</p> <p>TEI specific instructions: https://www.env.gov.bc.ca/esd/distdata/ecosystems/TEI/Docs/Instructions_iMapBC.pdf</p> <p>Soil Information Finder Tool (SIFT)</p> <p>SIFT provides access to soil survey data, reports, and maps. Link: https://www2.gov.bc.ca/gov/content/environment/air-land-water/land/soil/soil-information-finder</p> <p>Catalogue link: https://catalogue.data.gov.bc.ca/dataset/soils-information-finder-tool-sift-map-application</p>

<p>TEI Scanned Maps</p>	<p>Collections of scanned maps boundaries containing direct links for downloading georeferenced maps in tiff format. Exploratory access to scanned maps is through the Soil Information Finder Tool (SIFT) or iMap BC (see <i>Mapping Applications</i> section for links).</p> <p>Scanned map boundaries:</p> <ul style="list-style-type: none"> • TEI: https://catalogue.data.gov.bc.ca/dataset/terrestrial-ecosystem-information-scanned-map-boundary • TEI projects: https://catalogue.data.gov.bc.ca/dataset/terrestrial-ecosystem-information-project-scanned-map-boundary • Agriculture capability: https://catalogue.data.gov.bc.ca/dataset/agriculture-capability-scanned-maps
<p>Information Requests</p> <p>Questions, data requests, expert advice, mapping support</p>	<p>Contact TEI_Mail@gov.bc.ca to:</p> <ul style="list-style-type: none"> • Request GIS data packages for a spatial areas of interest • Inquire into in-progress or existing mapping projects in an area of interest • Submit project data • Request a project BAPID or variance to RISC standard • Receive resources and packages to support mapping projects (e.g., Contractor Package, validation tools, approved ecosystem code lists, etc.) • Request information or clarification of TEI and provincial mapping standards (e.g., RISC) • Request project reports, legends, supplementary information etc. for a particular project, spatial area of interest, or BAPID • Report issues or errors in data or applications • Public speaking, webinar, outreach, and presentation requests