Source Features

Administrative Boundaries

Sources
1. **Landscape Units (All)-** https://catalogue.data.gov.bc.ca/dataset/landscape-units-of-british-columbia-current
2. **Natural Resource (NR) Districts:** https://catalogue.data.gov.bc.ca/dataset/natural-resource-nr-district
3. **Natural Resource (NR) Regions:** https://catalogue.data.gov.bc.ca/dataset/natural-resource-nr-regions

Notes
LUs, NRDs and NR Regions unioned. Clipped to LUs considered to part of South Coast NR Region via a manual process. To rectify NRD and LU Boundaries, NRDs assigned to each LU as an attribute by similar manual process. Layer boundary approximates South Coast NR Region boundary and serves as clip layer for subsequent features.

Utilized Attributes
1. Landscape Units (LANDSCAPE_UNIT_NAME) - Component of final Vegetation Cover layer. Enables dashboard filtering by Landscape Units.
2. Assigned Natural Resource District (ASSIGNED_SC_DISTRICT) - Component of final Vegetation Cover layer. Enables dashboard filtering by Natural Resource District boundaries (approximate, corrected to their constituent Landscape Unit boundaries).

2021 Vegetation Resource Inventory

Sources
1. **VRI - 2021 - Forest Vegetation Composite Rank 1 Layer (R1):** https://catalogue.data.gov.bc.ca/dataset/vri-2021-forest-vegetation-composite-rank-1-layer-r1-

Notes
Clipped to Administrative Boundaries. Overlaps removed by deleting smaller underlying polygons.

Utilized Attributes
1. Secondary Stand Height (PROJ_HEIGHT_2) - Used in Max Height calculations.
2. Leading Stand Height (PROJ_HEIGHT_1) - Used in Max Height calculations.
3. Secondary Stand Age (PROJ_AGE_2) – Used in Max Age calculations.
4. Leading Stand Age (PROJ_AGE_1) - Used in Max Age and Seral Stage calculations.
5. Site Index (SITE_INDEX) – Component of final Vegetation Cover layer. Enables dashboard filtering by site index.
6. Feature Area in Square Meters (FEATURE_AREA_SQM) - Removing overlaps in VRI data by deleting underlying smaller polygons.

Resource Report

Sources
TBD

Notes
Clipped to Administrative Boundaries.

Utilized Attributes
1. Restriction (RR_RESTRICTION) – used in Protection Status Calculations. Component of final Vegetation Cover layer. Enables dashboard filtering by Restriction. See glossary for details.
2. Restriction Rollup (RR_RESTRICTION_ROLLUP) - Component of final Vegetation Cover layer. Enables dashboard filtering by Restriction Rollup, see Glossary for details. Forest Vegetation Layer symbolized by Restriction Rollup. See glossary for details.

BEC Map

Sources
1. **BEC Map:** https://catalogue.data.gov.bc.ca/dataset/bec-map

Notes
Clipped to Administrative Boundaries.

Utilized Attributes
1. Natural Disturbance (NATURAL_DISTURBANCE) - Component of final Vegetation Cover layer. Enables dashboard filtering by Natural Disturbance. Used in Seral Stage calculations.
2. BEC Unit (MAP_LABEL) - Component of final Vegetation Cover layer. Enables dashboard filtering by BEC Unit, see glossary for details. Used in Seral Stage Calculations.
3. BEC Zone (ZONE) - Used in Seral Stage Calculations.

TAP – Priority Deferral Areas

Sources
1. **Old Growth Technical Advisory Panel (TAP)** - Priority Deferral Areas : https://catalogue.data.gov.bc.ca/dataset/old-growth-technical-advisory-panel-tap-priority-deferral-areas/resource/47333f4e-1c84-4bb5-b3fe-6031fa78de20

Notes
Clipped to Administrative Boundaries.

Utilized Attributes
1. Priority Big Treed (PRIORITY_BIG_TREED_OG_IND) - Component of final Vegetation Cover layer. Enables dashboard filtering TAP Priority Big Treed. See glossary for details.
2. Remnant Old Ecosystems (REMNANT_OLD_ECOSYS_IND) - Component of final Vegetation Cover layer. Enables dashboard filtering TAP Remnant Old Ecosystems. See glossary for details.
3. Ancient Forest (ANCIENT_FOREST_IND) - Component of final Vegetation Cover layer. Enables dashboard filtering by TAP Ancient Forests. See glossary for details.

OGMAS

Sources
1. **Old Growth Management Areas** - Non Legal - All: https://catalogue.data.gov.bc.ca/dataset/old-growth-management-areas-non-legal-all
2. **Old Growth Management Areas** - Legal - Current: https://catalogue.data.gov.bc.ca/dataset/old-growth-management-areas-legal-current

Notes
Clipped to Administrative Boundaries.

Utilized Attributes
1. Legal OGMAs (LEGAL_OGMA_PROVID) - Used in OGMA Type calculations
2. Non-Legal OGMA (NON_LEGAL_OGMA_PROVID) – Used in OGMA Type Calculation

CE Roads (10m Buffer)

Sources
1. **BC Cumulative Effects Framework** - Integrated Roads - 2021: https://catalogue.data.gov.bc.ca/dataset/ce-roads-2021

Notes
Clipped to Administrative Boundaries and dissolved into single feature. Buffered by 10m as province wide estimate of road width.

Utilized Attributes
1. Roads (ROADS) - Component of final Vegetation Cover layer. Enables dashboard filtering by roads.

THLB

Sources
TBD

Notes
Clipped to Administrative Boundaries.

Utilized Attributes
1. Contributing CL (CONTRIBUTING_CL) - Enables dashboard filtering by THLB, see glossary for details.

Calculated Attributes

1. Max Age – (MAX_AGE) - Component of final Vegetation Cover layer. Maximum of VRI leading and secondary stand ages. Enables dashboard filtering by max age.
2. Max Height (MAX_HEIGHT) - Component of final Vegetation Cover layer. Maximum of VRI leading and secondary stand heights. Enables dashboard filtering by max height.
3. Seral Stage (SERAL) - Component of final Vegetation Cover layer. Enables dashboard filtering by Seral Stage. Calculated from BEC Zone, Natural Disturbance, and Leading Stand Age, see glossary for details. Vegetation Cover Layer symbolized by Seral Stage.
4. OGMA Type (OGMA_TYPE) - Component of final Vegetation Cover layer. Enables dashboard filtering by Old Growth Management Area. Calculated from Legal and Non-Legal OGMA.
5. Protection Status (PROTECTION_STATUS) - Component of final Vegetation Cover layer. Enables filtering by Protection Status. Calculated from Resource Report Restriction. See glossary for more details.

Removed Features

BEC Map

Sources
1. **BEC Map:** https://catalogue.data.gov.bc.ca/dataset/bec-map

Attributes Removed
1. Natural Disturbance (NATURAL_DISTURBANCE) - Natural Disturbance 5 (NDT5)

Fresh Water Atlas (FWA)

Sources
1. **Freshwater Atlas Glaciers:** https://catalogue.data.gov.bc.ca/dataset/freshwater-atlas-glaciers
2. **Freshwater Atlas Lakes:** https://catalogue.data.gov.bc.ca/dataset/freshwater-atlas-lakes
3. **Freshwater Atlas Rivers:** https://catalogue.data.gov.bc.ca/dataset/freshwater-atlas-rivers
4. **Freshwater Atlas Manmade Waterbodies:** https://catalogue.data.gov.bc.ca/dataset/freshwater-atlas-manmade-waterbodies
5. **Freshwater Atlas Bays and Channels:** https://catalogue.data.gov.bc.ca/dataset/freshwater-atlas-bays-and-channels

Attributes Removed
All

F OWN

Sources
1. **Generalized Forest Cover Ownership:** https://catalogue.data.gov.bc.ca/dataset/generalized-forest-cover-ownership

Attributes Removed
1. Ownership (OWNERSHIP) - Private (40, 41), Municipal (80), Unclassified (91)

General Analysis Steps

1. Source Features Combined (Union) → 2. Attribute Calculations → 3. Features Removed from final Product (Erase)