DRAFT VRI Data Table Names and Attribute Relationship

The diagram and table below describes each vri data set and list the attribute links and it's relationship to each other. There are 10 tables, 2 spatial views, 2 lookup class code, and 5 pre-link table views.

Veg_Vegetation_Cover (spatial view – polygon coverage)

To link veg_vegetation_cover (spatial) and vegetative_cover (data set), use the feature_id attributes. Feature_id is a unique number to every record.

The following vri data sets can be linked to the spatial view "*veg_vegetation_cover*":
- veg_date_set_version;
- tree_cover_layer;
- tree_species;
- tree_species_volume;
- non_vegetative_cover;
- land_cover_component;
- vegetative_cover; and
- tree_layer_history_link (linked to resource_inventory_history)

Use the spatial view "*vegetation _veg_label*" to enable viewing of all polygon labels

The attributes use to link each data set is
- object_ver_skey;
- map_id;
- polygon_id;
- layer_id;

Tree Species and Tree Species Volume

In addition to the 4 attributes mentioned above, tree speices_id is used in "*tree_species*" and "*tree_species_volume*" to link the 2 tables together.

History

To view history information, "*tree_layer_history_link*" must be used to link with the "*resource_inventory_history*" data set by using the following attributes: vif_hist_id and opening_no.

Straight to the Heart (Vegrpt_Polylayer)

Instead of linking only the data sets you required (as described above), the "*vegrpt_polylayer*" provides all 9 data sets ("*veg_date_set_version*", "*tree_cover_layer*", "*tree_species*", "*tree_species_volume*", "*land_cover_component*", "*vegetative_cover*", "*tree_layer_history_link*" and "*resource_inventory_history*") of vegetative information in one table.

The "*vegrpt_polylayer*" can be linked to the spatial view "*veg_vegetation_cover*" with the feature_id attribute.

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> Please note, that due to the size of the vegrpt_polylayer table, it is too large to be refreshed on a weekly, monthly or quarter year period. It is only refreshed once a year.
>
> The vegrpt table will be out of sink with the vegetation_cover_polygon (which is updated with information going into the LRDW 3 nights a week).
>
> Whse_Forest_Vegetation.vegrpt and table/view (r1, l1, l2, and l3) are created annually. They are not refreshed when Whse_Forest_Vegetation.veg_vegetation_cover_polygon is changed.

Pre-Link Table View

There are 5 pre-link table views that are available. Depending on the purpose and requirement, the pre-link table views are strip down versions of vegrpt_polylayer and veg_vegetation_cover, i.e. certain attributes have been removed.

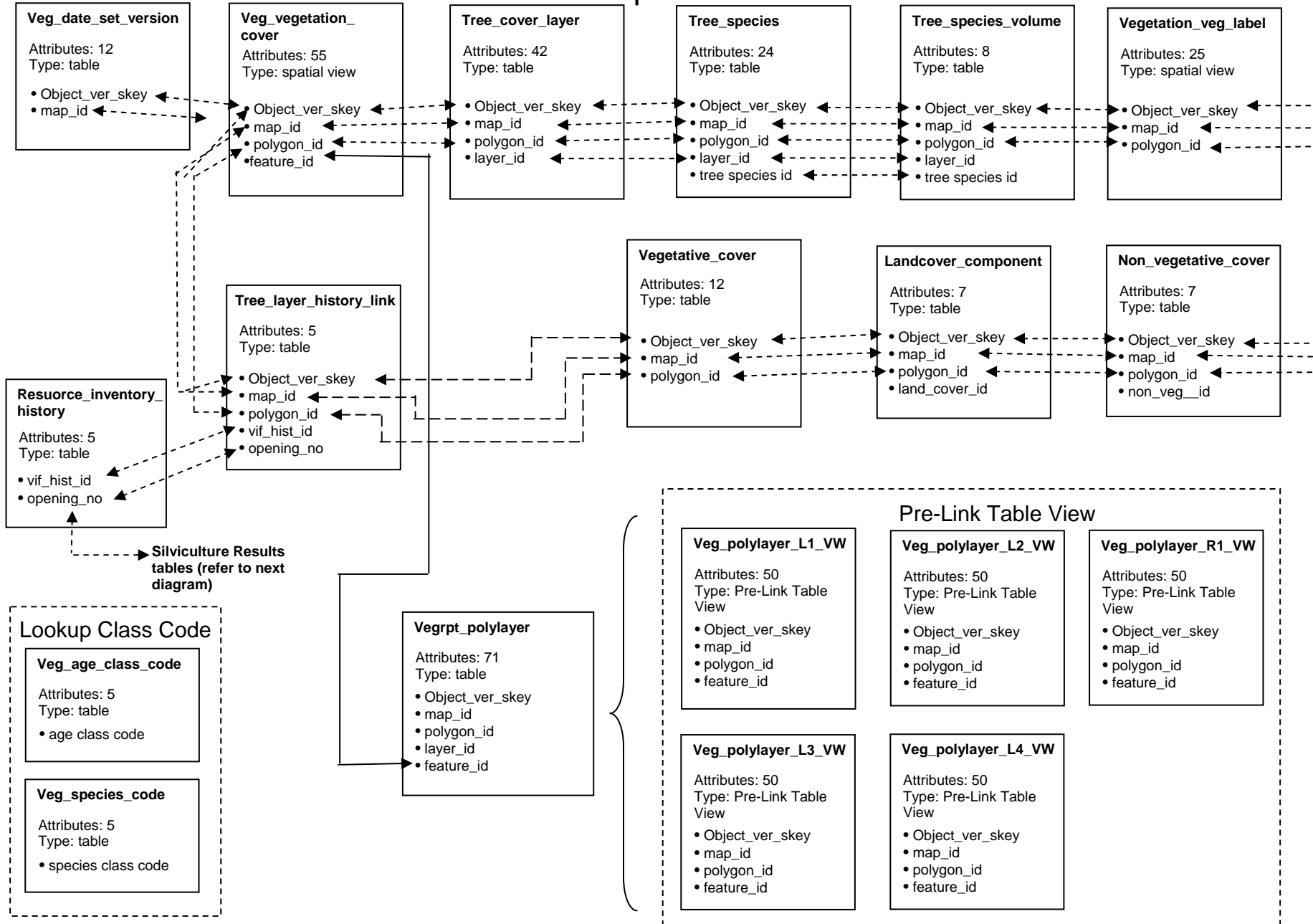| Data set table names	Attribute links	Description
Land_Cover_Component (alias: land cover component)	• Object_ver_skey • Map_id • Polygon_id • Land_cover_id	This is a table of the land cover class code and ecological attributes for each vri polygon. The entire polygon will fall within a single land cover classification within the B.C. Land Cover Classification Scheme. Land cover types within the polygon that contribute to the overall polygon description, but are too small to be delineated using current guidelines, may be described by land cover components. For each land cover component identified within a polygon, a percent area coverage and a soil moisture regime will be recorded.
Non_Vegetative_Cover (alias: non vegetative cover	• Object_ver_skey • Map_id • Polygon_id • Non_cover_id	This is a table of the non-vegetative cover codes for each vri polygon. Non-Vegetated polygons, delineated and described in levels 1 to 3 of the land classification scheme, are further classified by the Non-Vegetated cover types listed below. An estimation is made of the class that has the greatest percentage coverage by area. Non-vegetated polygons (within the land cover type) are separated into three groups: Snow/Ice; Rock/Rubble; and Exposed Land.
Tree_Cover_Layer (alias: tree cover layer)	• Object_ver_skey • Map_id • Polygon_id • Layer_id	The tree layer identification creates a link between each polygon attribute and the corresponding tree layer. Tree layers are distinguished according to recognized height differences which are, in many cases, associated with distinct age differences.
Tree_Layer_History_Link (alias: tree layer history link)	• Object_ver_skey • Map_id • Polygon_id • Vif_hist_id • Opening_no	This links the history table to the whse_forest_vegetation.veg_vegetation_cover_polygon.

Tree_Species (alias: tree species)	• Object_ver_skey • Map_id • Polygon_id • Layer_id • Tree_species_id	This table contains layers specific information on tree species, age and height.
Tree_Species_Volume (alias: tree species volume)	• Object_ver_skey • Map_id • Polygon_id • Layer_id • Tree_species_id	This is a table that contains the species id and volume information, and links back to the whse_forest_vegetation.veg_vegetation_cover_polygon.
Veg_Age_Class_Code (alias: vegetative age class code)	• Age class code	This table describes the age class code used in the VRI label.
Veg_Date_Set_Version (alias: vegetative date set version)	• Object_ver_skey • Map_id	This table contains version, date and time information for file creation and projection.
Vegetation_Veg_Label (alias: vegetative layer)	• Object_ver_skey • Map_id • Polygon_id	This table contains a vegetation label for each polygon.
Veg_Polylayer_L1_VW (alias: vegetative polygon layer 1 view)	• Object_ver_skey • Map_id • Polygon_id • Layer_id • Feature_id	The table is a view of all Layer 1 information joined to polygon.
Veg_Polylayer_L2_VW (alias: vegetative polygon layer 2 view)	• Object_ver_skey • Map_id • Polygon_id • Layer_id • Feature_id	The table is a view of all Layer 2 information joined to polygon.
Veg_Polylayer_L3_VW (alias: vegetative polygon layer 3 view)	• Object_ver_skey • Map_id • Polygon_id • Layer_id • Feature_id	The table is a view of all Layer 3 information joined to polygon.
Veg_Polylayer_L4_VW (alias: vegetative polygon layer 4 view)	• Object_ver_skey • Map_id • Polygon_id • Layer_id • Feature_id	The table is a view of all Layer 4 information joined to polygon.
Veg_Polylayer_R1_VW (alias: vegetative polygon layer 1 view)	• Object_ver_skey • Map_id • Polygon_id • Layer_id • Feature_id	The table is a view of all Rank 1 information joined to polygon.
Veg_Vegetation_Cover (alias: vegetation cover)	• Object_ver_skey • Map_id • Polygon_id • Feature_id	This coverage contains the VRI polygon shapes and associated table.
Vegetative_Cover	• Object_ver_skey • Map_id	This table contains the non tree vegetation cover for each VRI polygon.

(alias: vegetative cover or shrub, herb and bryoid cover)	• Polygon_id	
Vegrpt_Polylayer (alias: vegetative report polygon layer)	• Object_ver_skey • Map_id • Polygon_id • Layer_id • Feature_id	This table is a rollup of all VRI information created to provide all the other views.

VRI Relationship Tables

Veg_date_set_version

Attributes: 12
Type: table

• Object_ver_skey
• map_id

Veg_vegetation_ cover

Attributes: 55
Type: spatial view

• Object_ver_skey
• map_id
• polygon_id
• feature_id

Tree_cover_layer

Attributes: 42
Type: table

• Object_ver_skey
• map_id
• polygon_id
• layer_id

Tree_species

Attributes: 24
Type: table

• Object_ver_skey
• map_id
• polygon_id
• layer_id
• tree species id

Tree_species_volume

Attributes: 8
Type: table

• Object_ver_skey
• map_id
• polygon_id
• layer_id
• tree species id

Vegetation_veg_label

Attributes: 25
Type: spatial view

• Object_ver_skey
• map_id
• polygon_id

Tree_layer_history_link

Attributes: 5
Type: table

• Object_ver_skey
• map_id
• polygon_id
• vif_hist_id
• opening_no

Vegetative_cover

Attributes: 12
Type: table

• Object_ver_skey
• map_id
• polygon_id

Landcover_component

Attributes: 7
Type: table

• Object_ver_skey
• map_id
• polygon_id
• land_cover_id

Non_vegetative_cover

Attributes: 7
Type: table

• Object_ver_skey
• map_id
• polygon_id
• non_veg__id

Resuorce_inventory_ history

Attributes: 5
Type: table

• vif_hist_id
• opening_no

Silviculture Results tables (refer to next diagram)

Lookup Class Code

Veg_age_class_code

Attributes: 5
Type: table

• age class code

Veg_species_code

Attributes: 5
Type: table

• species class code

Vegrpt_polylayer

Attributes: 71
Type: table

• Object_ver_skey
• map_id
• polygon_id
• layer_id
• feature_id

Pre-Link Table View

Veg_polylayer_L1_VW

Attributes: 50
Type: Pre-Link Table View

• Object_ver_skey
• map_id
• polygon_id
• feature_id

Veg_polylayer_L2_VW

Attributes: 50
Type: Pre-Link Table View

• Object_ver_skey
• map_id
• polygon_id
• feature_id

Veg_polylayer_R1_VW

Attributes: 50
Type: Pre-Link Table View

• Object_ver_skey
• map_id
• polygon_id
• feature_id

Veg_polylayer_L3_VW

Attributes: 50
Type: Pre-Link Table View

• Object_ver_skey
• map_id
• polygon_id
• feature_id

Veg_polylayer_L4_VW

Attributes: 50
Type: Pre-Link Table View

• Object_ver_skey
• map_id
• polygon_id
• feature_id