DRAFT VRI Data Table Names and Attribute Relationship
Composite Polygon and Layer Table Relationship
With History and Results Tables

The diagram and table below describes the 5 new composite tables that represent polygon (spatial) and layer (rank 1, layer 1, layer 2 and layer 3) attributes. There is 1 spatial view with 96 attributes, and 4 tables/views with 50 attributes per table/view.

- Whse_forest_vegetation.veg_comp_poly (spatial)
- Whse_forest_vegetation.veg_comp_lyr_r1.vw (table/view)
- Whse_forest_vegetation.veg_comp_lyr_l1.vw (table/view)
- Whse_forest_vegetation.veg_comp_lyr_l2.vw (table/view)
- Whse_forest_vegetation.veg_comp_lyr_l3.vw (table/view)

Rank 1 (veg_comp_lyr_r1) is considered the layer with dominant tree species.
Layer 1 (veg_comp_lyr_l1) is considered the layer with the tallest tree.
Layer 2 (veg_comp_lyr_l2) is considered the layer with the second tallest tree.
Layer 3 (veg_comp_lyr_l3) is considered the layer with the third tallest tree.

The composite tables/views are very large, and such are very slow to respond. The suggestion is to select an area by attribute for each table and export the selected area as a layer prior to joining the tables.

Please note that due to the size of the composite tables, it is too large to be refreshed on a weekly, monthly or quarter year period. It is only refreshed once a year.

The composite tables will be out of sink with the vegetation_cover_polygon (which is updated with information going into the LRDW three nights a week).

Whse_Forest_Vegetation.veg_comp_poly and the composite table/view (r1, l1, l2, and l3) are created annually. They are not refreshed when Whse_Forest_Vegetation.veg_vegetation_cover_polygon is changed.

Each table has the MoFR 2002 District_org names (i.e. DCR for Campbell River). To define an area of interest, use the attribute selection function with ARCMAP, the district_org unit number and name will be used from the veg_comp_poly table. Polygons can also be selected by forest district names (however, the present data does not reflect the current new 2003 district names).

Veg_Comp_Poly (Vegetation composite polygon spatial)

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

The attributes use to link the 2 data set is
- feature_id;

In the **Veg_comp_poly** composite table, it will contain attributes found in the following tables:
- polygon table
- land cover component table
- non tree table
- non vegetated table
- label table
- results linkage (refer below for more information)
- history linkage (refer below for more information)
- district code (attribute)

Veg_comp_lyr_R1 (vegetation composite layer rank 1 table/view)

The rank 1 layer is the one that represents the polygon for tree volume calculations and is the one that map label uses.

To link veg_comp_layer_r1 (table/view) and veg_comp_poly (spatial), use the feature_id attributes. Feature_id is a unique number to every record.

In the veg_comp_lyr_r1 composite table/view, it will contain attributes found in the following tables:
- layer
- species
- species volume

Veg_comp_lyr_L1 (vegetation composite layer 1 table/view)

To link veg_comp_layer_l1 (table/view) and veg_comp_poly (spatial), use the feature_id attributes. Feature_id is a unique number to every record.

Veg_comp_lyr_L2 (vegetation composite layer 2 table/view)

To link veg_comp_layer_l2 (table/view) and veg_comp_poly (spatial), use the feature_id attributes. Feature_id is a unique number to every record.

Veg_comp_lyr_L3 (vegetation composite layer 3 table/view)

To link veg_comp_layer_l3 (table/view) and veg_comp_poly (spatial), use the feature_id attributes. Feature_id is a unique number to every record.

History and Results Table Linkages

The following describes the join relationship between the composite tables with history and result information. This join will access history and silvcultural information.

History Linkage

To view history information, join the ***resource_inventory_history*** table using the attribute "vif_history_id" to ***veg_comp_poly*** to vif_ver_history_id.

History_ids are provided for the first three history events simplifying the complex history join that has frustrated users. There are 3 history "vif_ver_history_id" which represents the first three previous history events that happened to the polygon. "vif_ver_history_id1 is the first history event found, vif_ver_history_id2 is the second " , and vif_ver_history_id3 is the third.

Results Linkage

To view silvicultural information, join the "***rslt_opening_poly***" table using the attribute opening_id to "***veg_comp_poly"*** table opening_id. Join the "***rslt_forest_cover***" table with the same attribute opening_id to "***rslt_opening_poly***" table"

Both link field (history link or results opening_id) create one to many joins to the disturbance (burn, insect, logging, etc.) and management activities reported to the MoFR in RESUTLS.

Data set table names	Attribute links	Description
Veg_Comp_Poly (alias: vegetation composite polygon)	• feature_id • opening_id • vif_ver_history_id (history_id1) • vif_ver_h1 (history_id2) • vif_ver_h2 (history_id3)	This is a composite spatial view with all the geometry with 96 attributes. 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.
Veg_Comp_Lyr_R1 (alias: vegetation composite layer Rank 1)	• feature_id	This is a composite table view of layer Rank 1 information, i.e the dominant tree species.
Veg_Comp_Lyr_L1 (alias: vegetation composite layer Layer 1)	• feature_id	This is a composite table view of layer 1 information, ie the tallest tree.

Veg_Comp_Lyr_L2 (alias: vegetation composite layer Layer 2)	• feature_id	This is a composite table view of layer 2 information, ie second tallest tree.
Veg_Comp_Lyr_L3 (alias: vegetation composite layer Layer 3)	• feature_id	This is a composite table view of layer 3 information, ie third tallest tree.
RSLT_Opening_Poly (alias: results history opening)	• opening_id	
RSLT_Forest Cover (alias: results history)	• opening_id	

Veg_Comp_Poly

Attributes: 96
Type: spatial

• Feature_id
• opening_id

• vif_ver_history_id (history_id1)
• vif_ver_h1(history_id2)
• vif_ver_h2 (history_id3)

Veg_Comp_Layer_R1

Attributes: 80
Type: table

• Feature_id

Resource_inventory_history

Attributes: 5
Type: table

• vif_hist_id

Veg_Comp_Layer_L1

Attributes: 80
Type: table/view

• Feature_id

RSLT_Opening_Poly

Attributes: ?
Type: Spatial

• opening_id

Veg_Comp_Layer_L2

Attributes: 80
Type: table/view

• Feature_id

RSLT_Forest_Cover

Attributes: ?
Type: table

• opening_id

Veg_Comp_Layer_L3

Attributes: 80
Type: table/view

• Feature_id