

Forest Analysis and Inventory Branch (FAIB) is pleased to announce that the new Provincial Forest Cover Data is currently available in the Land and Resource Data Warehouse (LRDW).

The provincial Forest Cover is represented to most users as the VEG_COMP_LYR_R1_POLY, the VEG_COMP_LYR_L1_POLY and the VEG_COMP_LYR_L2_POLY. The data layers have undergone a number of changes that while improving its usability will impact some who have become familiar with this data structure over the last three years.

We have made a number of changes to these data sets which will be outlined below: While we describe the changes in the context of the VEG_COMP_LYR_R1_POLY, they apply to the Layer 1 and Layer 2 sets as well.

The changes to the VEG_COMP_LYR_R1_POLY begin with the change in structure from Spatial Data Engine (SDE) format to Spatial Data Object (SDO) format. This change reflects a change in the technical standards across most Ministry of Forests spatial data. For applications that still require the SDE format such as MAPVIEW and IMap. The new data has been rendered in a duplicate SDE view.

With the change in data format there is also a change to the attribute names within the VEG_COMP_LYR_R1_POLY. The attribute names are now made less cryptic and more descriptive by using the improved standard long name format. This format works well in the ESRI personal geo database (PGDB) or the Personal Geo Data File (PGDF) structures but will require some renaming if used in the older SHAPE format.

There are a number of new attributes in the new VEG_COMP_LYR_R1_POLY that the user should be aware of.

BEC_ZONE_CODE	The BEC Zone that the polygon is predominantly located in
HARVEST_DATE	The year of harvest from Silviculture records
EARLIEST_NON_LOGGING_DATE	The year of non harvest disturbance
EARLIEST_NON_LOGGING_TYPE	The type of non harvest disturbance
FREE_TO_GROW_IND	An indicator that the polygon is Free Growing from Silviculture records
ADJUSTED_IND	An indicator that the polygon has been adjusted using ground data and derived adjustment factors

There are also 37 attributes that have been dropped from the new VEG_COMP_LYR_R1_POLY. Many of these were dropped as they are not used in the VDYP7 growth model or have proved to be confusing and of little value in the older version of the VEG_COMP_LYR_R1_POLY (see Appendix A):

The VEG_COMP_LYR_R1_POLY is intended to be published annually. This publication has been delayed as we built tools to maintain and update the inventory specifically in the areas of integrating new inventories, incorporating RESULTS harvest information, and projecting for growth and yield.

In addition, of the 95 million hectares contained in the Provincial Forest Cover, there are approximately 13,000 hectares for which there is no Vegetation Data. This is a data error and the gaps are being filled and repaired for our next projection of the data.

This new data includes 186 mapsheets that have been re-inventoried. A list of the re-inventoried areas is attached. This data also has some disturbance updates incorporated from licensee submissions to the Reporting Silviculture Updates and Land status Tracking System (RESULTS) database.

This new data is projected to 2008 using the new Variable Density Yield (VDYP7) Prediction to calculate volumes. VDYP7 uses different attributes than VDYP6 to generate volumes. For instance, VDYP6 used Ht, Age, Stocking class, and crown closure as the key drivers for generating stand volume, but VDYP7 uses two additional attributes Basal area, and Trees per hectare to derive volume, and stocking class is not used at all. Consequently you should expect volume differences when comparing previous VEG_COMP_LYR_R1_POLY data to the new version.

For those of you who use VegPlot to produce hard copy maps, we have identified an issue with the labeling of non forested polygons. We are currently working on a solution to this issue. If a short term solution is not readily available the issue will be addressed with our next release of data.

We expect to be loading another version of this data projected to 2009 in early fall of 2009. This new dataset will include approximately 300 mapsheets of new VRI Re-inventories and close to 80 % of all acceptable forest depletions updates from RESULTS. In addition, the data errors (gaps) from the previous version will be repaired.

We hope that the transition to this new data does not cause you too much trouble in your analysis. If you find anything you do not understand please let us know.

Reinventories added into 2008 VEG_COMP_LYR_R1_POLY:

1. Blueberry VRI - 64 maps: 094A011-013, 021-024, 031-034, 041-044, 051-055, 061-065, 071-074, 081-084, 093-096;094B020, 029-030, 039-040, 049-050, 059-060, 068-070, 078-080, 088-090;094H003-006, 013-015, 023-024.
2. Burns Lake C. F. - 9 maps: 093K002, 011-012, 021-023, 031-033.
3. Esketemc C. F. - 8 maps: 092O069-070, 079-080, 089-090, 099; 092P081.
4. Milligan VRI - 91 maps: 094A008-010, 016-020, 025-030, 035-040, 045-050, 056-060, 066-070, 075-080, 085-090, 097-100;094H007-010, 016-020, 025-030, 035-040, 043-050, 053-060.
5. Parks - 12 maps: 082N019-020, 029-030, 037-038, 047-049, 057-058, 067.
6. Syringa Park - 2 maps: 082F031, 041.

Old VRI NAME	new vri vrims name	New attributes - Long Name	short name		Removed from old vri data model
ADJUST_AREA	ADJUSTED_IND	BEC_ZONE_CODE	bec_zone		New - additional
AGE_1	1	EARLIEST_NONLOGGING_DIST_DATE	Dstb_date		
AGE_2	2	EARLIEST_NONLOGGING_DIST_TYPE	Dstb_type		
AGE_DTA_CD	DATA_SOURCE_AGE_CD	FREE_TO_GROW_IND	FTG_ind		
ALPN_DESIG	ALPINE_DESIGNATION	HARVEST_DATE	Harv_date		
ATRI_B_DATE	ATTRIBUTION_BASE_DATE				
AV_LBL_HT	AVAIL_LABEL_HEIGHT				
AV_LBL_WD	AVAIL_LABEL_WIDTH				
BASAL_AREA	BASAL_AREA				
BCLCS_LV_1	BCLCS_LEVEL_1				
BCLCS_LV_2	BCLCS_LEVEL_2				
BCLCS_LV_3	BCLCS_LEVEL_3				
BCLCS_LV_4	BCLCS_LEVEL_4				
BCLCS_LV_5	BCLCS_LEVEL_5				
BRYOID_PCT	BRYOID_COVER_PCT				
B_A_DTA_CD	DATA_SOURCE_BASAL_AREA_CD				
COMPARTMNT	COMPARTMENT				
COMP_LET	COMPARTMENT_LETTER				
COV_PCT_1	EST_COVERAGE_PCT_1				
COV_PCT_2	EST_COVERAGE_PCT_2				
COV_PCT_3	EST_COVERAGE_PCT_3				
CRUISE_CD	SPECIAL_CRUISE_NUMBER_CD				
CRUISE_NO	SPECIAL_CRUISE_NUMBER				
CR_CLOSURE	CROWN_CLOSURE				
CST_INT_CD	COAST_INTERIOR_CD				
CULMAI_125	3				
CULMAI_175	4				
CULMAI_225	5				
C_I_SRC_CD	6				
DATE_PHOTO	7				
DBH_LIMIT	DBH_LIMIT				
DEAD_STEMS	VRI_DEAD_STEMS_PER_HA				
ECO_SRC_CD	ECOSYS_CLASS_DATA_SRC_CD				
EST_SI	EST_SITE_INDEX				
EST_SI_SPC	EST_SITE_INDEX_SPECIES_CD				
FEATURE_ID	FEATURE_ID				
FEAT_SKEY	FEATURE_CLASS_SKEY				
FIZ_CD	FIZ_CD				
FULL_LABEL	FULL_LABEL				
GEOMETRY	Geometry				
HEIGHT_1	8				
HEIGHT_2	9				
HERB_COVER	HERB_COVER_PATTERN				
HERB_PCT	HERB_COVER_PCT				
HERB_TYPE	HERB_COVER_TYPE				
HIST_SS_CD	10				
HIST_S_CD	11				
HT_DATA_CD	DATA_SOURCE_HEIGHT_CD				
INPUT_DATE	INPUT_DATE				
INTERPRETR	INTERPRETER				
INTERP_CD	INTERPRETED_DATA_SRC_CD				
INTRP_DATE	INTERPRETATION_DATE				
INV_REGION	INVENTORY_REGION				
INV_STD_CD	INVENTORY_STANDARD_CD				
LAND_CD_1	LAND_COVER_CLASS_CD_1				
LAND_CD_2	LAND_COVER_CLASS_CD_2				
LAND_CD_3	LAND_COVER_CLASS_CD_3				
LAYER_ID	LAYER_ID				
LBL_CLS_IN	LINE_4_CLASSES_INDEXES				
LBL_CTR_X	LABEL_CENTRE_X				
LBL_CTR_Y	LABEL_CENTRE_Y				
LBL_DISTUR	LINE_7_ACTIVITY_HIST_SYMBOL				
LBL_HIST	LINE_6_SITE_PREP_HISTORY				
LBL_HIS_SY	LINE_7A_STAND_TENDING_HISTORY				
LBL_HT	LABEL_HEIGHT				
LBL_OPN_CD	LINE_1_OPENING_SYMBOL_CD				
LBL_OPN_NO	LINE_1_OPENING_NUMBER				
LBL_PLANT	LINE_8_PLANTING_HISTORY				
LBL_POLYID	LINE_2_POLYGON_ID				
LBL_SPECIS	LINE_3_TREE_SPECIES				
LBL_TEND	LINE_7B_DISTURBANCE_HISTORY				
LBL_VEGCOV	LINE_5_VEGETATION_COVER				
LBL_WIDTH	LABEL_WIDTH				

Old VRI NAME	new vri vrims name	New attributes - Long Name	short name	Removed from old vri data model
LIVE_STEMS	VRI_LIVE_STEMS_PER_HA			
LOSS_TYPE	12			
MAP_ID	MAP_ID			
MD_ACCURAC	13			
MD_CAP_CD	14			
MD_COMMENT	15			
MD_OBSERV	16			
MD_RETIRE	17			
MD_SRC_CD	18			
MOD_PROCES	MODIFYING_PROCESS			
NFOR_DESC	NON_FOREST_DESCRIPTOR			
NP_CODE	NON_PRODUCTIVE_CD			
NP_DESC	NON_PRODUCTIVE_DESCRIPTOR_CD			
NVEG_COV_1	NON_VEG_COVER_PATTERN_1			
NVEG_COV_2	NON_VEG_COVER_PATTERN_2			
NVEG_COV_3	NON_VEG_COVER_PATTERN_3			
NVEG_PCT_1	NON_VEG_COVER_PCT_1			
NVEG_PCT_2	NON_VEG_COVER_PCT_2			
NVEG_PCT_3	NON_VEG_COVER_PCT_3			
NVEG_TYP_1	NON_VEG_COVER_TYPE_1			
NVEG_TYP_2	NON_VEG_COVER_TYPE_2			
NVEG_TYP_3	NON_VEG_COVER_TYPE_3			
OBJECTID	OBJECTID			
OBJ_SKEY	19			
OPEN_ID	OPENING_ID			
OPEN_IND	OPENING_IND			
OPEN_NUM	OPENING_NUMBER			
OPEN_SRC	OPENING_SOURCE			
ORGUNIT_CD	ORG_UNIT_CODE			
ORGUNIT_NO	ORG_UNIT_NO			
POLY_AREA	POLYGON_AREA			
POLY_ID	POLYGON_ID			
PRINTABLE	Printable_Ind			
PRI_UTL_CD	20			
PRJ_STK_CD	21			
PRJ_TYP_ID	22			
PROJECT_ID	PROJECT			
PROJ_AGE_1	PROJ_AGE_1			
PROJ_AGE_2	PROJ_AGE_2			
PROJ_DATE	PROJECTED_DATE			
PROJ_HT_1	PROJ_HEIGHT_1			
PROJ_HT_2	PROJ_HEIGHT_2			
Q_DIAM_125	QUAD_DIAM_125			
Q_DIAM_175	QUAD_DIAM_175			
Q_DIAM_225	QUAD_DIAM_225			
RANK_CD	FOR_COVER_RANK_CD			
REF_DATE	REFERENCE_DATE			
REF_YR_ID	Reference_Year			
SEC_UTL_CD	23			
SHRB_CC	SHRUB_CROWN_CLOSURE			
SHRB_HT	SHRUB_HEIGHT			
SHRB_PATT	SHRUB_COVER_PATTERN			
SITE_INDEX	SITE_INDEX			
SITE_MESO	SITE_POSITION_MESO			
SI_DATA_CD	Est_Site_Index_Source_Cd			
SM_LABEL	SMALL_LABEL			
SOIL_MST_1	SOIL_MOISTURE_REGIME_1			
SOIL_MST_2	SOIL_MOISTURE_REGIME_2			
SOIL_MST_3	SOIL_MOISTURE_REGIME_3			
SOIL_NUTR	SOIL_NUTRIENT_REGIME			
SPEC_CD_1	SPECIES_CD_1			
SPEC_CD_2	SPECIES_CD_2			
SPEC_CD_3	SPECIES_CD_3			
SPEC_CD_4	SPECIES_CD_4			
SPEC_CD_5	SPECIES_CD_5			
SPEC_CD_6	SPECIES_CD_6			
SPEC_PCT_1	SPECIES_PCT_1			
SPEC_PCT_2	SPECIES_PCT_2			
SPEC_PCT_3	SPECIES_PCT_3			
SPEC_PCT_4	SPECIES_PCT_4			
SPEC_PCT_5	SPECIES_PCT_5			
SPEC_PCT_6	SPECIES_PCT_6			
STEM_HA_CD	DATA_SRC_VRI_LIVE_STEM_HA_CD			
STOCK_CLAS	24			

Old VRI NAME	new vri vrims name	New attributes - Long Name	short name			Removed from old vri data model
STOCK_CODE	25					
SURF_EXP		SURFACE_EXPRESSION				
TREE_PATRN		TREE_COVER_PATTERN				
TYPEGRP_CD	26					
TYPEGRP_NO	27					
UPD_AGEDAT	28					
UPD_HTDAT	29					
VERT_COMPL		VERTICAL_COMPLEXITY				
VIF_HIS_1	30					
VIF_HIS_2	31					
VIF_HIS_3	32					
VOLSP1_125		VOL_PER_HA_SPP1_125				
VOLSP1_175		VOL_PER_HA_SPP1_175				
VOLSP1_225		VOL_PER_HA_SPP1_225				
VOLSP2_125		VOL_PER_HA_SPP2_125				
VOLSP2_175		VOL_PER_HA_SPP2_175				
VOLSP2_225		VOL_PER_HA_SPP2_225				
VOLSP3_125		VOL_PER_HA_SPP3_125				
VOLSP3_175		VOL_PER_HA_SPP3_175				
VOLSP3_225		VOL_PER_HA_SPP3_225				
VOLSP4_125		VOL_PER_HA_SPP4_125				
VOLSP4_175		VOL_PER_HA_SPP4_175				
VOLSP4_225		VOL_PER_HA_SPP4_225				
VOLSP5_125		VOL_PER_HA_SPP5_125				
VOLSP5_175		VOL_PER_HA_SPP5_175				
VOLSP5_225		VOL_PER_HA_SPP5_225				
VOLSP6_125		VOL_PER_HA_SPP6_125				
VOLSP6_175		VOL_PER_HA_SPP6_175				
VOLSP6_225		VOL_PER_HA_SPP6_225				
VOLUME_ADJ	33					
YR_ESTAB	34					