

**RioTintoAlcan**

KMP SO<sub>2</sub> EEM Program – Technical Memo V01

**Vegetation Resource Inventory Metadata**

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Prepared for:

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(Using data provided by Rio Tinto Alcan)

## 1 Overview

The Vegetation Resource Inventory (VRI) data obtained cover the majority (approximately 90%) of the KMP SO<sub>2</sub> technical assessment study area, with a small section missing at the southern portion.

These are standard VRI data<sup>1</sup>, mapped to a scale of 1:20,000. This study area VRI map contains 8,031 polygons, each with up to 185 attributes. The attributes are of several different types:

- Identification: e.g., opening\_id, original unit information, polygon\_ID, labels
- Site: e.g., bec zone, subzone, variant, phase, age
- Stand composition: e.g., species and their percentage of the top six, live and dead volume by the first three species at two different utilization levels (12.5 and 17.5 cm)
- Stand-level variables: e.g., basal area, branch biomass, crown closure, soil moisture, density
- Data sources: e.g., for calculation of age, volume, or basal area

Most records have few of the columns populated, but all have information about the BEC and the top species on the site.

The complete listing of all the data columns is given below (in alphabetical order)<sup>2</sup>. More recent versions of the VRI data have more columns.

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<sup>1</sup> Data were downloaded from DataBC <https://apps.gov.bc.ca/pub/dwds/home.so>, and clipped to the original study area.

<sup>2</sup> A full description of the data columns can be found in the VRI Relational Data Dictionary: [http://www.for.gov.bc.ca/hts/vridata/standards/datadictionary/vegcomp\\_poly\\_rank1\\_data\\_dictionary\\_draft4.0.pdf](http://www.for.gov.bc.ca/hts/vridata/standards/datadictionary/vegcomp_poly_rank1_data_dictionary_draft4.0.pdf).

## 2 List of VRI Data Columns

ADJST_IND	DVLTOT_125	LVLSP1_125	PROJ_AGE_1
AGE_DTA_CD	DVLTOT_175	LVLSP1_175	PROJ_AGE_2
ALPN_DESIG	DVLTOT_225	LVLSP1_225	PROJ_DATE
ATTRIB_DATE	ECO_SRC_CD	LVLSP2_125	PROJ_HT_1
AV_LBL_HT	EST_SI	LVLSP2_175	PROJ_HT_2
AV_LBL_WD	EST_SI_SPC FEAT_SKEY	LVLSP2_225	PROJECT_ID
B_A_DTA_CD	FEATURE_ID	LVLSP3_125	Q_DIAM_125
BARK_BIOM	FIZ_CD	LVLSP3_175	Q_DIAM_175
BASAL_AREA	FMLB	LVLSP3_225	Q_DIAM_225
BCLCS_LV_1	FOLG_BIOM	LVLSP4_125	RANK_CD
BCLCS_LV_2	FTG_IND	LVLSP4_175	REF_DATE
BCLCS_LV_3	FULL_LABEL	LVLSP4_225	REF_YR_ID
BCLCS_LV_4	HERB_COVER	LVLSP5_125	SHRB_CC
BCLCS_LV_5	HERB_PCT	LVLSP5_175	SHRB_HT
BEC_PHSE	HERB_TYPE	LVLSP5_225	SHRB_PATT
BEC_SZONE	HRVSTD	LVLSP6_125	SI_DATA_CD
BEC_VAR	HT_DATA_CD	LVLSP6_175	SITE_INDEX
BEC_ZONE	INPUT_DATE	LVLSP6_225	SITE_MESO
BRNCH_BIOM	INTERP_CD	LVLTOT_125	SM_LABEL
BRYOID_PCT	INTERPRETR	LVLTOT_175	SOIL_MST_1
C_I_CODE	INTRP_DATE	LVLTOT_225	SOIL_MST_2
CC_CLASS	INV_REGION	MAP_ID	SOIL_MST_3
COMP_LET	INV_STD_CD	MOD_PROCES	SOIL_NUTR
COMPARTMNT	LAND_CD_1	N_LOG_DATE	SPEC_CD_1
COV_PCT_1	LAND_CD_2	N_LOG_DIST	SPEC_CD_2
COV_PCT_2	LAND_CD_3	NFOR_DESC	SPEC_CD_3
COV_PCT_3	LAYER_ID	NP_CODE	SPEC_CD_4
CR_CLOSURE	LBL_CLS_IN	NP_DESC	SPEC_CD_5
CRUISE_CD	LBL_CTR_X	NVEG_COV_1	SPEC_CD_6
CRUISE_NO	LBL_CTR_Y	NVEG_COV_2	SPEC_PCT_1
DBH_LIMIT	LBL_DISTUR	NVEG_COV_3	SPEC_PCT_2
DEAD_PCT	LBL_HIS_SY	NVEG_PCT_1	SPEC_PCT_3
DEAD_STEMS	LBL_HIST	NVEG_PCT_2	SPEC_PCT_4
DVLSP1_125	LBL_HT	NVEG_PCT_3	SPEC_PCT_5
DVLSP1_175	LBL_OPN_CD	NVEG_TYP_1	SPEC_PCT_6
DVLSP1_225	LBL_OPN_NO	NVEG_TYP_2	STEM_HA_CD
DVLSP2_125	LBL_PLANT	NVEG_TYP_3	SURF_EXP
DVLSP2_175	LBL_POLYID	P_AGE_CS_1	TREE_PATRN
DVLSP2_225	LBL_SPECIS	P_AGE_CS_2	VERT_COMPL
DVLSP3_125	LBL_TEND	P_HT_CAS_1	wkt_geom
DVLSP3_175	LBL_VEGCOV	P_HT_CAS_2	WSTEM_BIOM
DVLSP3_225	LBL_WIDTH	POLY_AREA	
DVLSP4_125	LIVE_STEMS	POLY_ID	
DVLSP4_175		PRINTABLE	
DVLSP4_225			
DVLSP5_125			
DVLSP5_175			
DVLSP5_225			
DVLSP6_125			
DVLSP6_175			
DVLSP6_225			

