

Dictionary Listing:

Edson MPB PFMS Spatial Harvest Sequence Shapefiles

Edson FMA Reference to Alberta Forest Management Planning Standard –
Condition and Activities Reports

Data Dictionary - Edson MPB PFMS Spatial Harvest Sequence shapefiles

Software: Microsoft Visual FoxPro 8.0 in Windows
 PFMS File Names: e1_mpb_shs.dbf, e2_mpb_shs.dbf, w5_mpb_shs.dbf
 Number of data records: E1 504,036
 E2 535,261
 W5 284,312
 W6 798,672

Attribute	Type	Width	Decimals	Comments / Field Description
Remsoft_id	Numeric	9	0	Remsoft Field: Indicates the unique identifier for every polygon in the shapefile.
Block	Character	10		Remsoft Field: Unique block identifier
Newplanned	Numeric	1		New planned blocks 1 - identifies new planned block
New_p_op	Character	10		New planned block operator ETP - Edson Timber Products WEYR - Weyerhaeuser
Area	Numeric	19	11	Area in Square Metres
Perimeter	Numeric	19	11	Perimeter of Polygon in Metres
Gis_link	Numeric	19		Unique Spatial Identifier
Plannedun	Numeric	10		Updated block identifier for blocks added after composite landbase careated 1 - identifies an updated planned block
New_uni	Numeric	19		Unique stand identifier created for modifications after GIS_LINK created
Structure	Character	1		Stand structure code: C - Complex H - Horizontal
Horper	Numeric	2		Horizontal stand percentage - overstory
U_horper	Numeric	2		Horizontal stand percentage - understory
Open_num	Character	13		ARIS opening number
Areaha	Numeric	19	10	Area in hectares
Cutident	Numeric	2		Cutblock Identifier (amalgamation of all cutblock identifier fields) 0 - Not a Cutblock 1 - Cutblock
Netarea	Numeric	19	10	Net area in hectares
Cl_fire	Character	1		Chip Lake fire identifier Y - Within 1998 Chip Lake Fire Boundaries N - Not part of 1998 Chip Lake Fire
Story	Character	1		Story of Primary Management (SoPM) A - Stand Managed on understory but defined to a landbase by the overstory C - Cutblock defined by the Cutblock rules (section 2.8.3) O - Overstory U - Understory (A traditional "switch" stand)

Attribute	Type	Width	Decimals	Comments / Field Description
Stdper_con	Numeric	4		Composition of conifer portion in overstory as defined by AVI (0 to 10) and used in Yield Curve assignment
Std_age	Numeric	7		Stand age in years
Age5yr	Numeric	3		Five year age classes, also TSA period length
Std_cov	Character	2		Overstory Broad Cover Group DX - Pure Deciduous DC - Deciduous Dominated Mixedwood CD - Coniferous Dominated Mixedwood CX - Pure Coniferous NF - Non-forested
Del	Character	2		Landbase Deletions AN - Anthropogenic non-vegetated land AV - Anthropogenic vegetated land CT - Non-disposition Cutlines DR - Disposition reservations EC - Non-merchantable deciduous ecosites LK - Stream and lake buffers LP - Legal landbase disposition LR - Larch composition is 10% or more of the SoPM LS - Stream and lake buffers LU - Linear dispositions NF - Non-forested vegetated land NO - Not identified NV - Natural non-vegetated land OP - Deletions identified by foresters which do not fit into standard categories PS - Government PSPs SB - Black spruce composition makes up 80% or more of the SoPM ST - Stream and lake buffers SP-Park -old "special places" nomination sites XX - Invalid ecosites
Planner	Character	4		Planned block operator ANC - Alberta Newsprint Company BR - Blue Ridge CCTL - Cold Creek Timber Limited ETP - Edson Timber Products MTU - MTU MW - Millar Western NOT - Not assigned to any company WEY - Weyerhaeuser WEYR - Weyerhaeuser
Marg_op	Numeric	19	4	Marginal Stand identifier 0 - Not a marginal stand 1 - Marginal stand
Ops_sqcp	Numeric	4		Period Sequenced 1 - Period 1
Ops_sq	Character	1		Operational Sequence Y - Operational Sequence

Attribute	Type	Width	Decimals	Comments / Field Description
Ops_code	Character	7		Operational Stand Assignment Code E1_1SEQ E1P1 E1P10 E1P2 E1P3 E1P4 E1P5 E1P7 E1P8 E1P9 E2_GR E2_GR1 E2_GR5 E2_GR6 E2P1 W5_GR1 W6_ANCS W6_GR W6_GR3 W6_GR5 W6_GR6 W6GL1 W6GL2 W6GL3 W6GL4 W6GL5 W6GL6 W6GS1 W6GS2 W6GS4 W6GS5 W6GS6
Ops_lock	Character	7		Operational Lock _Lock 4 _Na2,3
Ops_del	Character	7		Operational Deletion Y – Operational Deletion

Attribute	Type	Width	Decimals	Comments / Field Description
Wtrab	Character	4		Watershed Abbreviation
				ATHA
				BEAR
				BIGO
				CAIR
				CARR
				CART
				CHEV
				CHIP
				COYO
				CRIC
				CYNT
				DEER
				EDSN
				EDSO
				EMBA
				EPEM
				ERIT
				FAIR
				FICK
				GRAH
				GRAN
				GROA
				HALF
				HANL
				HARD
				HINT
				KATH
				LADD
				LOBS
				MASO
				MCLE
				MILL
				MINN
				MOOS
				OBED
				OLDM
				PADD
				PADY
				PEMB
				POIS
				RALL
				RATN
				RATS
				RAVE
				SANG
				SHIN
				SINK
				SLID
				SUND
				SWAR
				TOMH
				TROU
				WEST
				WHIT
				ZETA

Attribute	Type	Width	Decimals	Comments / Field Description
Theme1	Character	8		*THEME FMU {1} E1 E2 W5 W6
Theme2	Character	2		*THEME Natural Subregion {2} LF - Lower Foothills UF - Upper Foothills
Theme3	Character	6		*THEME Harvest Design Area {3} BIGORY - Bigoray BIGROK - Big Rock BROCAB - Broken Cabin CHIPLK - Chip Lake COYOTE - Coyote Creek CRICKS - Cricks Creek DEERHL - Deer Hill EASTBK - East Bank EASYFD - Easyford ERITHX - Erith ETALAK - Eta Lake FICKLE - Fickle Lake GRANAD - Granada GRANDE - Grande Prairie Trail GRANDT - Grand Trunk HATTON - Hattonford KEYHOL - Keyhole LOBSTK - Lobstick LODGEP - Lodgepole LOSTER - Lost Elk Ridge MACKAY - MacKay MCLEOD - McCloud Crossing MEDICI - Medicine Lodge NINEML - Nine Mile NMINNW - North Minnow NOJACK - Nojack South NOWORK - outside of FMA NRATCK - North Rat Creek OBEDLK - Obed Lake OLDMAN - Oldman Creek PADDYC - Paddy Creek PEMBIN - North Pembina PIONER - Pioneer RODNEY - Rodney Creek SANGLK - Sang Lake SHININ - Shiningbank East SINKHL - Sinkhole Lake SMINNW - South Minnow SRATCK - South Rat Creek SUNDAN - Sundance Creek SURPRI - Surprise Lake SVEDBG - Svedberg SWANSN - Swanson TOMHIL - Tom Hill

Attribute	Type	Width	Decimals	Comments / Field Description
Theme3 cont'd.	Character	6		TOWERX - Tower TROUTC - Trout Creek ZETALK - Zeta Lake
Theme4	Character	10		*THEME Grazing Indicator {4} GRZ - Grazing lease NOT - Not grazing
Theme5	Character	3		*THEME Site {5} G - Good M - Medium P - Poor X - No site
Theme6	Character	3		*THEME Landbase {6} CON - Coniferous DEC - Deciduous NOT - Not assigned to a landbase
Theme7	Character	4		*THEME Yield Curve {7} Yield curve number assigned to stand (see yield curve document) Character#1: C - Coniferous Yield Curve D - Deciduous Yield Curve Character#2 to #4: Yield Curve Number (Example C 23 - Coniferous Yield Curve #23) Refer to Appendix 1 for full descriptions
Theme8	Character	1		*THEME Crown Closure Class {8} A - "A" density crown closure B - "B" density crown closure C - "C" density crown closure D - "D" density crown closure N - Not crown closure designated
Theme9	Character	6		*THEME Old Growth Categories {9} NOTVAL OLD_CD - Coniferous dominated mixedwood OLD_DC - Deciduous dominated mixedwood OLD_DX - Pure Deciduous OLD_PL - Pure Coniferous: Pine composition greater than and equal to 80% OLD_PS - Pure Coniferous: White Spruce / Pine are the first two species with the composition of either species not greater than 79% OLD_SW - Pure Coniferous: White Spruce composition greater than and equal to 80% OLD_CX - Pure Coniferous: All other pure coniferous stands that do not fit into any of the other old growth categories (OLD_PL, OLD_SW, or OLD_PS)
Theme10	Character	2		*THEME Deletion {10} DL - Polygon is deleted NO - Polygon is part of the operable landbase
Theme11	Character	2		*THEME Chip Lake Salvage Block {11} NN - Not part of the Chip Lake Fire FN - Within Chip Lake fire zone - not-salvaged FS - Within Chip Lake fire zone - salvage

Attribute	Type	Width	Decimals	Comments / Field Description
Theme12	Character	4		*THEME Planned Block Operator {12} ANC - Alberta Newsprint Company BR - Blue Ridge CCTL - Cold Creek Timber Limited EDF - EDFOR ETP - Edson Timber Products MTU - MTU MW - Millar Western NOT - Not assigned to any company WEY - Weyerhaeuser
Theme13	Character	3		*THEME Regeneration Status {13} SR - Sufficiently restocked RSR - Regenerating stand - sufficiently restocked PSR - Planned and sufficiently restocked NOS - No stocking (non-operable landbase) NSR - Not sufficiently restocked
Theme14	Character	2		*THEME Piece Size Identification {14} P1 – Piece Stratum 1: Coniferous dominated stands (C, or CD) – Good/Medium Sites – Lower/Upper Foothills – All crown closures (Understory managed stands not included) P2 – Piece Stratum 2: Deciduous dominated stands (D, or DC) – Good Sites – Lower/Upper Foothills – All crown closures (Understory managed stands not included) P3 – Piece Stratum 3: Poor Site (Both coniferous and deciduous dominated stands) – Lower/Upper Foothills – All crown closures (Understory managed stands not included) P4 – Piece Stratum 4: Understory managed stands (Switch stands) only – All Sites – Lower/Upper Foothills – All crown closures NA – Not assigned to a piece size stratum
Theme15	Character	5		MPB Rating {10} ;CLIMATE FACTOR (CF) - PINE RATING (SSI) - SSI_CF A** - Climate Rating 1.0 *A* - Pine Rating 81-100 **L - Low SSICF (0-30) B** - Climate Rating 0.8 *B* - Pine Rating 51-80 **M - Mod SSICF (31-50) C** - Climate Rating 0.5 *C* - Pine Rating 31-50 **H - High SSICF (51-100) D** - Climate Rating 0.2 *D* - Pine Rating 0-30 E** - Climate Rating 0.1 AAH ABH ACM ADL BAH BBM BBH BCL BCM BDL CAM CBL CBM CCL CDL DAL DBL DCL DDL

Attribute	Type	Width	Decimals	Comments / Field Description
Theme15 cont'd.	Character	5		EAL EBL ECL EDL ZZ ;NON-PINE
Theme16	Character	2		Plan period identifier for spatial modeling: NA, P1, P12, P2, P13
Preblock	Character	1		Remosft Field: Identifies that a polgon is apre-block. Preblock identifier: empty or 'Y'
Action	Numeric	19	4	Remosft Field: Indicates the Woodstock action assigned to a polygon. Action identifier for spatial modeling: 0, 1 (Con), or 2 (Dec)
Cut_period	Numeric	19	4	Remosft Field: Indicates the treatment period assigned to a polygon.
Operable	Character	1		Stanley landbase operability identifier: empty or "Y"
Lock	Numeric	19	4	Stanley operational lock: 0 or 1
Presasbl	Character	1		User identified blocks: empty or "Y"
Presascp	Numeric	19	4	User identified periods: 0 or 1
New_cut	Character	2		New cutblocks: empty or "Y" identifies new cutblocks
Std_chan	Character	2		Operational/manual stand changes based on initial Stanley output. "Y" = polygons that were manually selected anc could deviate from an original sequence.
Stand_lock	Character	7		Temporary Stanley operational lock _Lock 4
Stand_seq	Numeric	6		Temporary Stanley sequence: 0, 1, 2, 3, 4
Stand_code	Character	10		Operator blocks CON_A1 CON_A2 CON_A3 CON_A4 CON_A5 CON_R1 CON_R2 CON_R3 CON_R4 CONP3A CONP4A DEC_3A DEC_A1 DEC_A2 DEC_A3 DEC_A4 DEC_R1 DEC_R4 DECP1R DECP2A DECP2R DECP3A DECP3R DECP4R E1_OPS1 E1_SM11 E1_SM12 E1_SM13 E1_SM14 E1_SM21 E1_SM22

Attribute	Type	Width	Decimals	Comments / Field Description
Stand_code cont'd.	Character	10		E1_SM23
				E1_SM31
				E1_SM32
				E1_SM41
				E1_SM51
				E1CONA1
				E1CONR2
				E1CONR3
				E1CONR4
				E1DECA2
				E1DECA4
				E1DECR2
				E1DECR3
				E1DECR4
				E2_OPR1
				E2_OPR2
				E2_OPR3
				E2_OPR4
				E2_OPR5
				E2_OPR6
				E2_S410
				E2_S411
				E2_S412
				E2_S413
				E2_SM11
				E2_SM12
				E2_SM13
				E2_SM14
				E2_SM21
				E2_SM22
				E2_SM23
				E2_SM24
				E2_SM25
				E2_SM27
				E2_SM28
				E2_SM29
				E2_SM31
				E2_SM41
				E2_SM42
				E2_SM43
				E2_SM44
				E2_SM45
				E2_SM46
				E2_SM47
				E2_SM49
				E2_SM51
				E2_SM52
				E2_SM61
				E2_SM62
				E2_SM63
				E2_SM64
				E2_SM71
				E2_SM72
				E2_SM73
				E2_SM74
				E2_SM75
				W5_OP1
				W5_SC1
				W5_SC10
				W5_SC11
				W5_SC12
				W5_SC13
				W5_SC14
				W5_SC15
				W5_SC16
				W5_SC17

Attribute	Type	Width	Decimals	Comments / Field Description
Stand_code cont'd.	Character	10		W5_SC18 W5_SC19 W5_SC2 W5_SC20 W5_SC21 W5_SC22 W5_SC3 W5_SC4 W5_SC5 W5_SC7 W5_SC8 W5_SC9 W6_OPR1 W6_OPR2 W6_OPR3 W6_OPR4 W6_OPR5 W6_OPR6 W6_OPR7 W6_OPR8 W6_OPS5 W6_OPS9 W6_S121 W6_S122 W6_S123 W6_S124 W6_S125 W6_S126 W6_S127 W6_S128 W6_SC6 W6_SM11 W6_SM12 W6_SM21 W6_SM22 W6_SM23 W6_SM41 W6_SM42 W6_SM43 W6_SM44 W6_SM51 W6_SM61 W6_SM62 W6_SM71 W6_SM72
Stand_yr5	Numeric	4		Stand age 5 year period identifier: 0 or 1
Std_oper	Character	7		Stand operator WEY - Weyerhaeuser MTU - MTU
Wood_lock	Character	7		Woodstock lock _Lock 4
Action_fin	Numeric	1		Final action: 0, 1, 2
Cut_p_fin	Numeric	2		Final cut period: 0 to 12
STANLOCK	Character	15		Stanley Lock
QUEST_CBLK	Character	1		Questionable Block (Y or N)
OPER1	Character	3		Weyerhaeuser August 10 2007 planned and cutblock information Operator: Alberta Newsprint Company

Attribute	Type	Width	Decimals	Comments / Field Description
OPER1_DATE	Date	8		Weyerhaeuser August 10 2007 planned and cutblock information Operator: Alberta Newsprint Company
OPER2	Character	4		Weyerhaeuser August 10 2007 planned and cutblock information Operator: Zeta
OPER2_DATE	Character	2		Weyerhaeuser August 10 2007 planned and cutblock information Operator: Zeta
OPER3	Character	3		Weyerhaeuser August 10 2007 planned and cutblock information Operator: Blue Ridge Lumber
OPER3_DATE	Date	8		Weyerhaeuser August 10 2007 planned and cutblock information Operator: Blue Ridge Lumber
OPER4	Character	9		Weyerhaeuser August 10 2007 planned and cutblock information Operator: EDFOR
OPER4_DATE	Character	2		Weyerhaeuser August 10 2007 planned and cutblock information Operator: EDFOR
OPER5	Character	2		Weyerhaeuser August 10 2007 planned and cutblock information Operator: Millar Western
OPER5_DATE	Numeric	10		Weyerhaeuser August 10 2007 planned and cutblock information Operator: Millar Western
OPER6	Character	7		Weyerhaeuser August 10 2007 planned and cutblock information New P1 cutblocks
OPER6_DATE	Numeric	4		Weyerhaeuser August 10 2007 planned and cutblock information New P1 cutblocks
OPER7	Character	9		Weyerhaeuser August 10 2007 planned and cutblock information Silvacom Online
OPER7_DATE	Date	8		Weyerhaeuser August 10 2007 planned and cutblock information Silvacom Online
OPER8	Character	6		Weyerhaeuser August 10 2007 planned and cutblock information Edson DDC planned
OPER8_DATE	Numeric	4		Weyerhaeuser August 10 2007 planned and cutblock information Edson DDC planned
OPER9	Character	6		Weyerhaeuser August 10 2007 planned and cutblock information Edson AOP Planned
OPER9_DATE	Numeric	4		Weyerhaeuser August 10 2007 planned and cutblock information Edson AOP Planned
CTBL_OPNUM	Character	11		Addition of Weyerhaeuser's existing cutblock information block data
CTBL_SKID	Date	8		Addition of Weyerhaeuser's existing cutblock information AOP planned block information
OPNUM_WAOP	Character	11		Addition of Weyerhaeuser's existing cutblock information AOP planned block information
YEAR_WAOP	Numeric	4		Addition of Weyerhaeuser's existing cutblock information AOP planned block information
OPNUM_E11	Character	10		Weyerhaeuser's Review of SHS
OPNUM_E12	Character	10		Weyerhaeuser's Review of SHS

Attribute	Type	Width	Decimals	Comments / Field Description
OPNUM_E13	Character	10		Weyerhaeuser's Review of SHS
OPNUM_E14	Character	10		Weyerhaeuser's Review of SHS
OPNUM_E15	Character	10		Weyerhaeuser's Review of SHS
OPNUM_E16	Character	10		Weyerhaeuser's Review of SHS
OPNM_P2007	Character	11		Weyerhaeuser post 2007 planned blocks
YEAR_P2007	Numeric	4		Weyerhaeuser post 2007 planned blocks
TNRG_BLK2	Character	1		Field used to pre-block Stanley generated blocks for future sequencing scenarios. Upon request of Weyer harvest planners
TNRG_BLK3	Character	1		Field used to pre-block Stanley generated blocks for future sequencing scenarios. Upon request of Weyer harvest planners
NSEQ_YEAR	Numeric	11		Sequence year
NPLAN_YEAR	Numeric	11		Planned Year
NCUT_PD	Numeric	11		Period of cut from Stanley
OPNM_MNNW	Character	11		MINNOW (W6) PLANNED BLOCK INFORMATION
YEAR_MNNW	Numeric	4		MINNOW (W6) PLANNED BLOCK INFORMATION
CHALUK_CD	Numeric	19		WEYER NOVEMBER 2007 CUTBLOCK INFORMATION Chaluk Codes
CCTL_CD	Numeric	1		WEYER NOVEMBER 2007 CUTBLOCK INFORMATION CCTL codes

Edson FMA Reference to Alberta Forest Management Planning Standard

The future forest conditions for the preferred forest management scenario for 0, 10 and 50 years, are available in the data set **condition_5_10.dbf**. Table 1 provides a reference to requirements from the Alberta Forest Management Planning Standard as well as a reference to the location of these requirements in the data set. The condition report data set contains per hectare information and to obtain FMA-based results they should be area-weighted.

Table 1 RSPS Condition Report

Deliverables from Forest Management Planning Standard (Annex 1, Section 5.10)	Reference
Compartment	<i>Theme 3 – Harvest Design Area (HDA)</i>
Yield Strata	<i>Theme 7</i>
Age Class	<i>Age</i>
Contributing Land Base Area	<i>Theme 10</i> represents net and gross land base classification
Non-Contributing Land Base Area	<i>Theme 10</i> represents net and gross land base classification
Coniferous Growing Stock	<i>Tcongs</i> (See Appendix D, Section 6.1.9.3)
Deciduous Growing Stock	<i>Tdecgs</i> (See Appendix D, Section 6.1.9.3)

Condition Report Data Dictionary

Software: Visual FoxPro 8.0

Database: <fmu>_condition_5_10.dbf

Number of Records: E1 -21,801; E2 – 38,651; W5 – 21,847; W6 – 55,120

FIELD_NAME	TYPE	LENGTH	DECIMALS	DESCRIPTION AND DATA RANGE
PERIOD	Numeric	3	0	5 year periods (0, 2, 4, 10)
TH3	Character	5	0	Harvest Design Areas (HDA)
TH7	Character	5	0	Yield curve number assignment
TH10	Character	7	0	Net or gross land base assignment
AGE	Numeric	3	0	Years
AREA	Numeric	10	4	Hectares
TCONGS	Numeric	7	2	Coniferous primary growing stock from all productive coniferous stands (no grazing)
TDECGRS	Numeric	7	2	Deciduous primary growing stock in all productive deciduous stands and DU stands, in grazing areas

Edson FMA Reference to Alberta Forest Management Planning Standard

The 60 year harvest schedule for the preferred forest management scenario is available in the data set **activity_5_11.dbf**. Table 2 provides a reference to the requirement of the data set and as well as the location of the requirements in the data set. Like the future forest conditions, the information in the data set must be area weighted to obtain FMA-based results.

Table 2 RSPS Activity Report

Deliverables from Forest Management Planning Standard (Annex 1, Section 5.11)	Reference
Yield Strata	<i>Theme 7</i>
Age Class	<i>Age</i>
Harvest Activity	<i>Action</i>
Reforestation Transition	<i>Transitions</i>
Management Intensity	<i>Action</i>
Coniferous Primary Volume	<i>Convol</i>
Deciduous Primary Volume	<i>Decvol</i>
Coniferous Incidental Volume	<i>Coninvol</i>
Deciduous Incidental Volume	<i>Decinvol</i>
Primary Coniferous Piece Size	<i>CONLB_PC</i>
Primary Deciduous Piece Size	<i>DECLB_PC</i>
Incidental Coniferous Piece Size	<i>CONLB_PB</i>
Incidental Deciduous Piece Size	<i>DECLB_PB</i>
Spatial Harvest Schedule	<i>Period</i>

Activity Report Data Dictionary

Software: Visual FoxPro 8.0

Database: <fmu>_activity_5_11.dbf

Number of Records: E1 - 15,514; E2 – 17,077; W5 – 8,649; W6 – 36,118

FIELD_NAME	TYPE	LENGTH	DECIMALS	DESCRIPTION AND DATA RANGE
PERIOD	Numeric	3	0	5 year periods (1..12)
AGE	Numeric	3	0	5 year periods
AREA	Numeric	9	3	hectares
TH7	Character	5	0	Yield curve number assigned to stand (see yield curve document).
ACTION	Character	8	0	Action planned by Stanley (blank = no action)
CONVOL	Numeric	7	2	Primary Coniferous harvest (m ³ /ha)
DECVOL	Numeric	7	2	Primary Deciduous harvest (m ³ /ha)
CONINVOL	Numeric	7	2	Incidental Coniferous harvest (m ³ /ha)
DECINVOL	Numeric	7	2	Incidental Deciduous harvest (m ³ /ha)
CONLB_PC	Numeric	7	2	Conifer Harvested Piece Size from Confer Land Base (qDBH)
DECLB_PC	Numeric	7	2	Deciduous Harvested Piece Size from Deciduous Land Base (qDBH)
CONLB_PB	Numeric	7	2	Conifer Harvested Piece Size from Confer Land Base (qDBH)
DECLB_PB	Numeric	7	2	Deciduous Harvested Piece Size from Deciduous Land Base (qDBH)