

FMOS Dataset Description

Dataset Name:

New Brunswick Crown License 9 (NBCL9)

Prepared by:

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Description:

Derived from the 2002-07 management plan for New Brunswick Crown License 9, a publicly owned tract of industrial forest located in the eastern region of New Brunswick.

Area:

Total Area: 140,766 hectares

Forested Area: 125,780 hectares

Non-Forested Area (wetland, water, roads, railroad etc.) 14,985 hectares

Riparian Area (buffers, wetland, water): 24,756 hectares

Polygons:

Total: 19,024

≤ 1 hectare: 1901

Forested: 17,287

Non-Forested (wetland, water, roads, railroad etc.): 1737

Riparian Area (buffers, wetland, water): 5283

Directory Structure:

📁 NBCL9_1.0.zip

📁 calc

📄 adjacency.csv

- ▢ piecesize.csv
- ▢ yield.csv
- ▢ shp
 - ▢ nbcl9.dbf
 - ▢ nbcl9.prj
 - ▢ nbcl9.sbn
 - ▢ nbcl9.sbx
 - ▢ nbcl9.shp
 - ▢ nbcl9.shx
- ▢ volume
 - ▢ VolumeCase1.csv
 - ▢ VolumeCase2.csv
 - ▢ VolumeCase3.csv
 - ▢ VolumeCase4.csv
 - ▢ VolumeCase5.csv
 - ▢ VolumeCaseBase.csv

File Descriptions:

nbcl9.shp

Attribute table metadata

- Theme1 – Assigned stand strata
 - 3BF-G E.R. 3 Balsam Fir Mix - Site Class A & B
 - 3BF-P E.R. 3 Balsam Fir Mix - Site Class C
 - 3BS-G E.R. 3 Black Spruce - Site Class A & B
 - 3BS-P E.R. 3 Black Spruce - Site Class C
 - 3EC-50p E.R. 3 Eastern Cedar Mix L1S1=EC, and L1PR1 >=5
 - 3EC-50m E.R. 3 Eastern Cedar Mix EC stands which do not meet the 50p criterion.
 - 3HWIF E.R. 3 Intolerant Hardwood Fir Mix
 - 3HWIH E.R. 3 Intolerant Hardwood
 - 3HWIS E.R. 3 Intolerant Hardwood Spruce Mix
 - 3HWIT-Y E.R. 3 Intolerant Hardwood - Tolerant Hardwood Mix, L1DS = Y,S

- 3HWIT-M E.R. 3 Intolerant Hardwood - Tolerant Hardwood Mix, L1DS = I,M,O
- 3OS E.R 3 Other Softwood
- 3PF-H E.R. 3 Pure Balsam Fir - High Crown Closure (CC = 3,63,4,64,5)
- 3PF-L E.R. 3 Pure Balsam Fir - Low Crown Closure (CC = 1,61,2,62)
- 3PI E.R. 3 Pine Mix
- 3OPLBS E.R. 3 Pre - 1982 Black Spruce Plantation
- 3OPLWS E.R. 3 Pre - 1982 White Spruce Plantation
- 3OPLJP E.R. 3 Pre - 1982 Jack Pine Plantation
- 3PS-P E.R. 3 Pure Spruce Site Class C
- 3PS-G-I E.R. 3 Pure Spruce Site Class A and B and L1DS = Y,S,I
- 3PS-G-M E.R. 3 Pure Spruce Site Class A and B and L1DS = M
- 3PS-G-O E.R. 3 Pure Spruce Site Class A and B and L1DS = O
- 3PT-05 E.R. 3 Pure Tolerant Hardwood Ecodistrict = 05
- 3PT-1002N E.R. 3 Pure Tolerant Hardwood Ecodistrict = 10 Ecosection = 02 Non-Quality Stands
- 3PT-1002 E.R. 3 Pure Tolerant Hardwood Ecodistrict = 10 Ecosection = 02 Quality Stands
- 3PT-1105 E.R. 3 Pure Tolerant Hardwood Ecodistrict = 11 Ecosection = 05
- 3PT-1106 E.R. 3 Pure Tolerant Hardwood Ecodistrict = 11 Ecosection = 06
- 3PT-1107 E.R. 3 Pure Tolerant Hardwood Ecodistrict = 11 Ecosection = 07
- 3SF-05 E.R. 3 Spruce-Fir Mix Ecodistrict = 05
- 3SF-10 E.R. 3 Spruce-Fir Mix Ecodistrict = 10
- 3SF-11 E.R. 3 Spruce-Fir Mix Ecodistrict = 11
- 3SP-G E.R. 3 Balsam Fir - Site Class A & B
- 3SP-P E.R. 3 Balsam Fir - Site Class C
- 3TSST E.R. 3 Tolerant Hardwood Spruce Mix
- 3TSTF E.R. 3 Tolerant Hardwood Balsam fir Mix
- 3TSTI-Y E.R. 3 Tolerant Hardwood Intolerant Hardwood Mix L1DS = Y,S
- 3TSTI-I E.R. 3 Tolerant Hardwood Intolerant Hardwood Mix L1DS = I
- 3TSTI-M E.R. 3 Tolerant Hardwood Intolerant Hardwood Mix L1DS = M,O
- 5BF-A E.R. 5 Balsam Fir Mix Site Class A
- 5BF-B E.R. 5 Balsam Fir Mix Site Class B

- 5BF-C E.R. 5 Balsam Fir Mix Site Class C
- 5BS-A E.R. 5 Black Spruce Mix Site Class A
- 5BS-B E.R. 5 Black Spruce Mix Site Class B
- 5BS-C-H E.R. 5 Black Spruce Mix Site Class C High Crown Closure (CC = 3,63,4,64,5)
- 5BS-C-L E.R. 5 Black Spruce Mix Site Class C Low Crown Closure (CC = 1,61,2,62) Low Crown Closure (CC = 1,61,2,62)
- 5EC-E-L E.R. 5 Eastern Cedar Mix, Ecodistricts 20,21,22 With Low Crown Closure (CC = 1,61,2,62) Low Crown Closure (CC = 1,61,2,62)
- 5EC-E-H-M E.R. 5 Eastern Cedar Mix, Ecodistricts 20,21,22 With High Crown Closure (CC = 3,63,4,64,5), CC Condition.
- 5EC-E-H-P E.R. 5 Eastern Cedar Mix, Ecodistricts 20,21,22 With High Crown Closure (CC = 3,63,4,64,5), PC Condition.
- 5EC-W-L-M E.R. 5 Eastern Cedar Mix, Ecodistricts 18,19,23 With Low Crown Closure (CC = 1,61,2,62), CC Condition.
- 5EC-W-L-P E.R. 5 Eastern Cedar Mix, Ecodistricts 18,19,23 With Low Crown Closure (CC = 1,61,2,62), PC Condition.
- 5EC-W-H-M E.R. 5 Eastern Cedar Mix, Ecodistricts 18,19,23 With High Crown Closure (CC = 3,63,4,64,5), CC Condition.
- 5EC-W-H-P E.R. 5 Eastern Cedar Mix, Ecodistricts 18,19,23 With High Crown Closure (CC = 3,63,4,64,5), PC Condition.
- 5HWIF E.R. 5 Intolerant Hardwood Fir Mix
- 5HWIH-E E.R. 5 Intolerant Hardwood, Ecodistricts 20,21,22
- 5HWIH-W E.R. 5 Intolerant Hardwood, Ecodistricts 18,19,23
- 5HWIS-E E.R. 5 Intolerant Hardwood - Spruce Mix, Ecodistricts 20,21,22
- 5HWIS-W E.R. 5 Intolerant Hardwood - Spruce Mix, Ecodistricts 18,19,23
- 5HWIT-E E.R. 5 Intolerant Hardwood - Spruce Mix, Ecodistricts 20,21,22
- 5HWIT-W E.R. 5 Intolerant Hardwood - Spruce Mix, Ecodistricts 18,19,23
- 5OS E.R. 5 Other Softwood
- 5PF E.R. 5 Pure Balsam Fir
- 5PI E.R. 5 Pine Mix
- 5OPLBS E.R. 5 Pre - 1982 Black Spruce Plantation
- 5OPLWS E.R. 5 Pre - 1982 White Spruce Plantation
- 5OPLJP E.R. 5 Pre - 1982 Jack Pine Plantation
- 5PS-A E.R. 5 Pure Spruce Site Class A

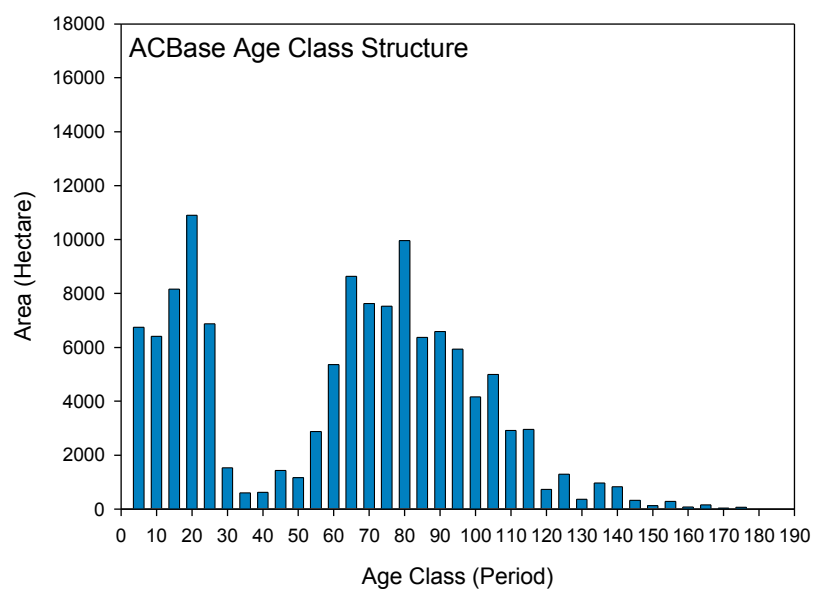
- 5PS-B E.R. 5 Pure Spruce Site Class B
- 5PS-C E.R. 5 Pure Spruce Site Class C
- 5PT-H-N E.R. 5 Pure Tolerant Hardwood, High Crown Closure (CC = 3,63,4,64,5) Non-Quality Stands
- 5PT-H E.R. 5 Pure Tolerant Hardwood, High Crown Closure (CC = 3,63,4,64,5) Quality Stands
- 5PT-L-N E.R. 5 Pure Tolerant Hardwood, Low Crown Closure (CC = 1,61,2,62) Non-Quality Stands
- 5PT-L E.R. 5 Pure Tolerant Hardwood, Low Crown Closure (CC = 1,61,2,62) Quality Stands
- 5SF-E E.R. 5 Spruce - Balsam Fir Mix, Ecodistricts 20,21,22
- 5SF-W E.R. 5 Spruce - Balsam Fir Mix, Ecodistricts 18,19,23
- 5SP-E-L E.R. 5 Spruce Mix, Ecodistricts 20,21,22 With Low Crown Closure (CC = 1,61,2,62)
- 5SP-E-H E.R. 5 Spruce Mix, Ecodistricts 20,21,22 With High Crown Closure (CC = 3,63,4,64,5)
- 5SP-W-L E.R. 5 Spruce Mix, Ecodistricts 18,19,23 With Low Crown Closure (CC = 1,61,2,62)
- 5SP-W-H E.R. 5 Spruce Mix, Ecodistricts 18,19,23 With High Crown Closure (CC = 3,63,4,64,5)
- 5TSST-W E.R. 5 Tolerant Hardwood - Spruce Mix, Ecodistricts 18,19,23
- 5TSST-E E.R. 5 Tolerant Hardwood - Spruce Mix, Ecodistricts 20
- 5TSTF-E E.R. 5 Tolerant Hardwood - Balsam Fir Mix, Ecodistricts 20,21,22
- 5TSTF-W E.R. 5 Tolerant Hardwood - Balsam Fir Mix, Ecodistricts 18,19,23
- 5TSTI-E-H E.R. 5 Tolerant Hardwood - Intolerant Hardwood Mix, Ecodistricts 20,21,22 With High Crown Closure (CC = 3,63,4,64,5)
- 5TSTI-W-H E.R. 5 Tolerant Hardwood - Intolerant Hardwood Mix, Ecodistricts 18,19,23 With High Crown Closure (CC = 3,63,4,64,5)
- 5TSTI-L E.R. 5 Tolerant Hardwood - Intolerant Hardwood Mix, With Low Crown Closure (CC = 1,61,2,62)
- PS1 Pure Spruce Clearcut Response (Can be PCT TO SWD)
- PF1 Pure Fir Clearcut Response (Can be PCT TO SWD)
- PF2 Pure Fir Clearcut Response (Can be PCT TO SWD or MXWD)
- PF3 Pure Fir Clearcut Response (Can be PCT TO SWD or MXWD or HWD)

- BF1 Balsam Fir Mix Clearcut Response (Can be PCT TO SWD)
- BF2 Balsam Fir Mix Clearcut Response (Can be PCT TO SWD or MXWD)
- BF3 Balsam Fir Mix Clearcut Response (Can be PCT TO SWD or MXWD or HWD)
- BS1 Black Spruce Mix Clearcut Response (Can be PCT TO SWD)
- EC1 Eastern Cedar Mix Clearcut Response (Can be PCT TO SWD)
- HW3 Intolerant Hardwood Mix Clearcut Response (Can be PCT TO SWD or MXWD or HWD)
- HW4 Intolerant Hardwood Mix Clearcut Response (Can be PCT TO HWD,OR FILL PLANTED)
- HW4B Intolerant Hardwood Mix Clearcut Response (Can be PCT TO HWD)
- MX4 Tolerant Hardwood Mix Clearcut Response (Can be PCT TO HWD,OR FILL PLANTED)
- MX4B Tolerant Hardwood Mix Clearcut Response (Can be PCT TO HWD)
- PI1 Pine Mix Clearcut Response (Can be PCT TO SWD)
- NSR Unstocked Clearcut Response
- FIL Understocked Clearcut Response
- SWTH Softwood Precommercial Thinning
- OSWTH Pre-1982 Precommercial Thinning
- SHTH Softwood - Hardwood Precommercial Thinning
- ISTH Intolerant Hardwood - Softwood Precommercial Thinning
- TSTH Tolerant Hardwood - Softwood Precommercial Thinning
- PTTH Pure Tolerant Hardwood Precommercial Thinning
- PLBS Black Spruce Plantation (Full)
- PLWS White Spruce Plantation (Full)
- PLJP Jack Pine Plantation
- PLBS1 Black Spruce Plantation (Full) 1992-1997
- PLWS1 White Spruce Plantation (Full) 1992-1997
- PLJP1 Jack Pine Plantation 1992-1997
- PLBS2 Black Spruce Plantation (Full) 1997-2002
- PLWS2 White Spruce Plantation (Full) 1997-2002
- PLJP2 Jack Pine Plantation 1997-2002
- PLBS3 Black Spruce Plantation (Full) 2002-2007

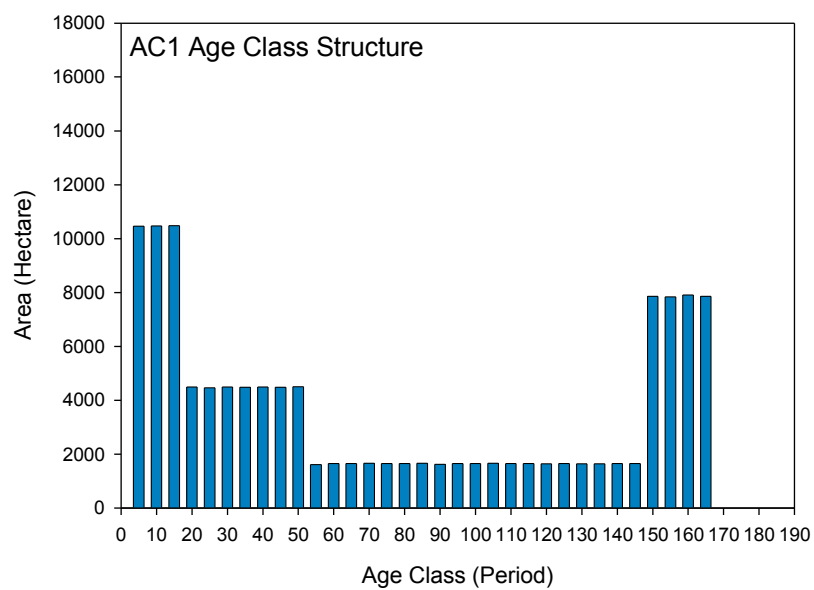
- PLBS4 Black Spruce Plantation (Full) 2007
- FPLBS Black Spruce Plantation (Fill)
- FPLWS White Spruce Plantation (Fill)
- FPLBS1 Black Spruce Plantation (Fill)
- FPLWS1 White Spruce Plantation (Fill)
- FPLBS2 Black Spruce Plantation (Fill)
- FPLWS2 White Spruce Plantation (Fill)
- FPLBS3 Black Spruce Plantation (Fill)
- FPLBS4 Black Spruce Plantation (Fill)
- Theme2 - Stand Treatment Type
 - NAT Natural Stand Condition
 - PL Plantation (Full)
 - FIPL Plantation (Fill)
 - PCT Pre-Commercial Thinning
 - PCT2 Pre-Commercial Thinning
 - CT1 Commercial Thinning Black Spruce Fill & Full Plantations Entry 1
 - CT2 Commercial Thinning Black Spruce Fill & Full Plantations Entry 2
 - CT3 Commercial Thinning White Spruce Fill & Full Plantations
 - CT4 Commercial Thinning of Softwood Precommercial Thinning
 - CT5 Commercial Thinning of Pre-1982 Spruce Plantations
 - CT6 Commercial Thinning of Pre-1982 Pre-Commercial Thinnings
 - BFR Balsam Fir Removal in Eastern Cedar Stands
 - ECPC Eastern Cedar Partial Harvest
 - SWR Pure Tolerant Hardwood Softwood Removal as of 2002
 - SWR2 Pure Tolerant Hardwood Softwood Removal 2002-2012
 - PC Pure Tolerant Hardwood Partial Harvest
 - PC2 Pure Tolerant Hardwood Partial Harvest - Spatial Transition
 - SHWD Hardwood Shelterwood Harvest
 - SHSR Hardwood shelterwood Harvest of a Softwood Removal Area
 - TPS Softwood Two-Pass Harvest
 - BUF Buffer Partial Harvest

- Theme 3 Ecosistrict
 - 5 Ecodistrict 5
 - 10 Ecodistrict 10
 - 11 Ecodistrict 11
 - 18 Ecodistrict 18
 - 19 Ecodistrict 19
 - 20 Ecodistrict 20
 - 21 Ecodistrict 21
 - 22 Ecodistrict 22
 - 23 Ecodistrict 23
- Theme 4 – Riparian Buffers
 - 1 Buffer
 - 0 Not-Buffered
- Shape_leng
 - Polygon perimeter (m)
- Shape_area
 - Polygon area (m²)
- Stand_ID
 - Unique identifier for each polygon

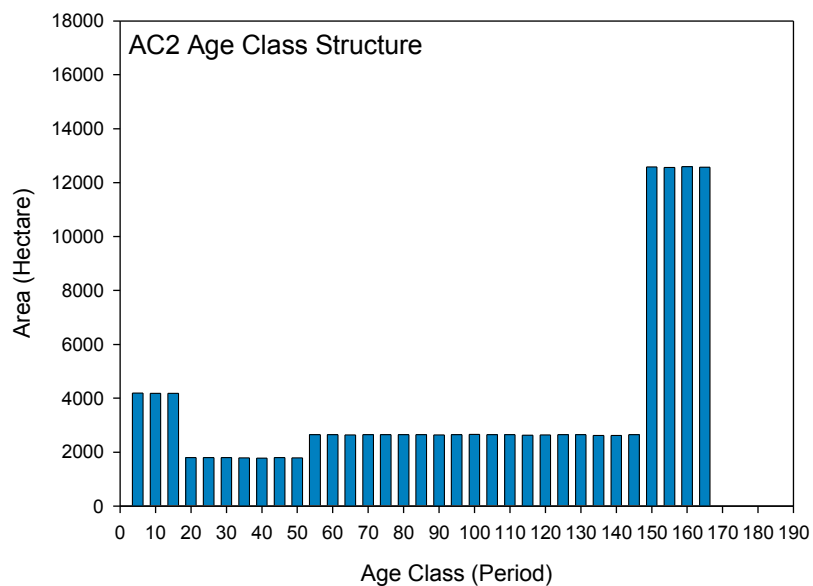
- AgeBase
 - Assigned ages from management plan



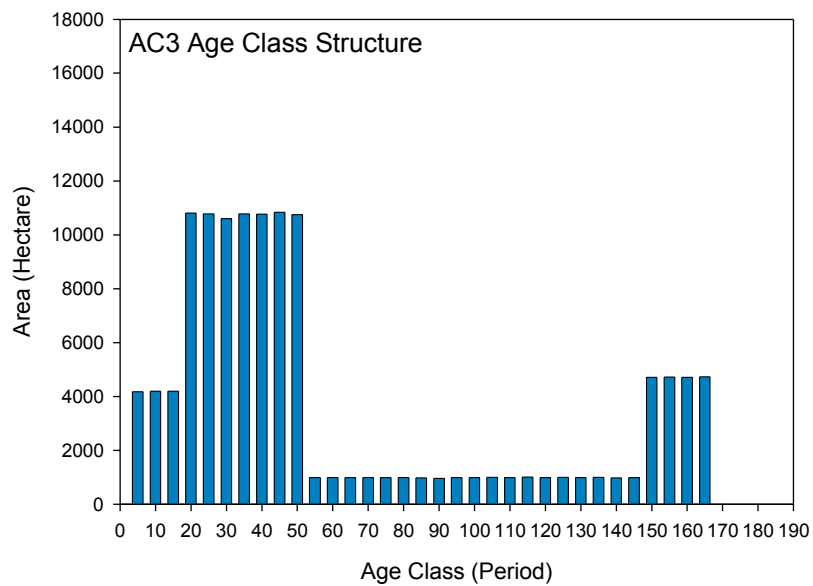
- AC1
 - Age Class Scenario 1



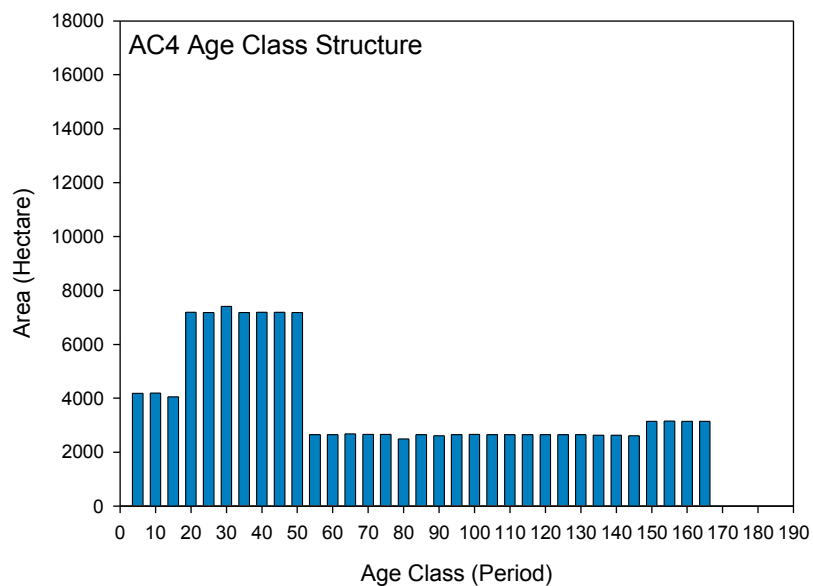
- AC2
 - Age Class Scenario 2



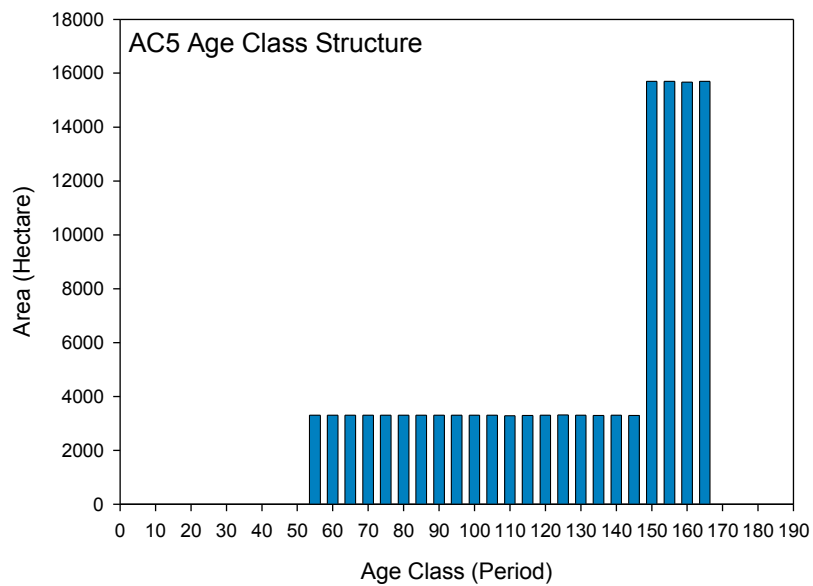
- AC3
 - Age Class Scenario 3



- AC4
 - Age Class Scenario 4



- AC5
 - Age Class Scenario 5



adjacency.csv

Stand adjacency list using 10m search tolerance

- Stand_ID
 - Unique stand identifier from the shapefile
- Stand_adj
 - ID number of stands who are adjacent to Stand_ID

piecesize.csv

Piecesize information outputted from Management Plan

- Theme 1
- Theme 2
- Theme 3
- Theme 4
- Name – Yield Component
 - SPZ – Softwood
 - HPZ – Hardwood
- AgeClass
 - Yield Age
- Value
 - Piece size in m²

yield.csv

Yield information outputted from management plan

- Theme 1
- Theme 2
- Theme 3
- Theme 4
- Name – Yield Component
 - HWLOG – Hardwood Log
 - HWFIB – Hardwood Fibre
 - SWLOG – Softwood Log

- SWFIB – Softwood Fibre
- AgeClass – Yield age
- Yield – Merchantable yield in m²
-

VolumeCase_XXX_.csv

25 year projection of operable stand volume under each age class scenario.

- Stand_ID
 - Unique stand identifier
- Period
 - Time in the projection in 5 year intervals.
 - Period 0 – present volume
 - Period 1 – 5 years projection
- Product
 - HWLOG – Hardwood Log
 - HWFIB – Hardwood Fibre
 - SWLOG – Softwood Log
 - SWFIB – Softwood Fibre
- Volume
 - Calculated merchantable stand volume
 - Strata yield @ stand age (m³/ha.) X stand area (ha.)

Version History:

Version 1.0 – January 30, 2007

Initial publication.