

FMOS Dataset Description

Dataset Name:

New Brunswick Crown License 5 (NBCL5)

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: 73,344 hectares

Forested Area: 61,316 hectares

Non-Forested Area (wetland, water, roads, railroad etc.) 12,028 hectares

Riparian Area (buffers, wetland, water): 10,812 hectares

Polygons:

Total: 10,901

<=1 hectare: 910

Forested: 9123

Non-Forested (wetland, water, roads, railroad etc.): 1778

Riparian Area (buffers, wetland, water):2183

Directory Structure:

📁 NBCL5_1.0.zip

📁 calc

📄 adjacency.csv

- ▢ piecesize.csv
- ▢ yield.csv
- ▢ shp
 - ▢ nbcl5.dbf
 - ▢ nbcl5.prj
 - ▢ nbcl5.sbn
 - ▢ nbcl5.sbx
 - ▢ nbcl5.shp
 - ▢ nbcl5.shx
- ▢ volume
 - ▢ VolumeCase1.csv
 - ▢ VolumeCase2.csv
 - ▢ VolumeCase3.csv
 - ▢ VolumeCase4.csv
 - ▢ VolumeCase5.csv
 - ▢ VolumeCaseBase.csv

File Descriptions:

nbcl5.shp

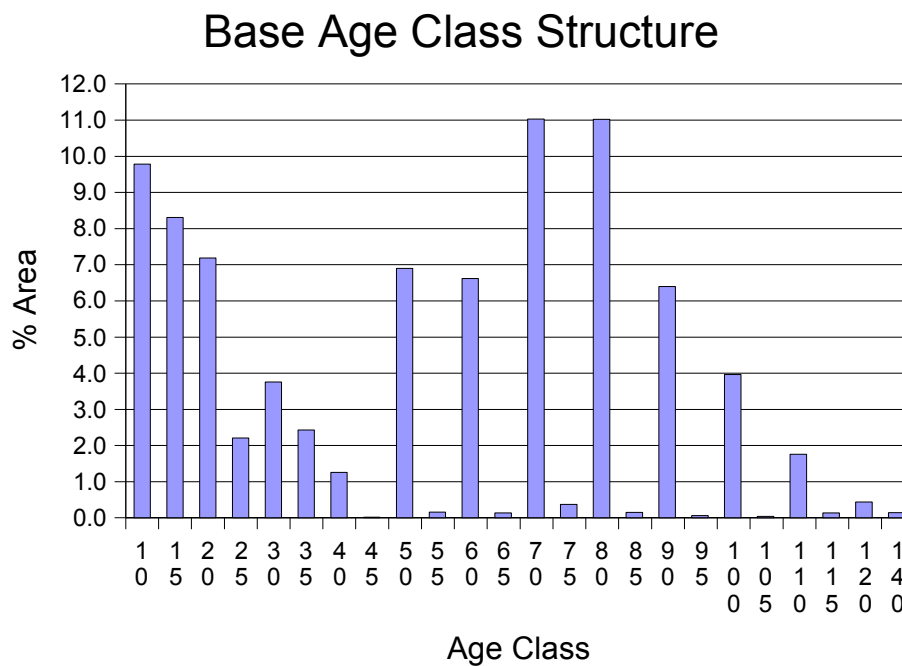
Attribute table metadata

- Theme1 – Assigned stand strata
 - BSH {Black Spruce Mix High Crown Closure}
 - BSL {Black Spruce Mix Low Crown Closure}
 - BFN {Balsam Fir Mix}
 - ECL {Eastern Cedar Low Crown Closure}
 - ECH {Eastern Cedar High Crown Closure}
 - HWISH {Hardwood Intol/Spruce High Crown Closure (combo of HWIF & HWIS)}
 - HWISL {Hardwood Intol/Spruce Low Crown Closure (combo of HWIF & HWIS)}
 - HWIH {Hardwood, Predominately Intolerant Hardwood }
 - HWIT {Hardwood, Mixture of Intolerant and Tolerant Hardwood}
 - JPN {Jack Pine Mix}

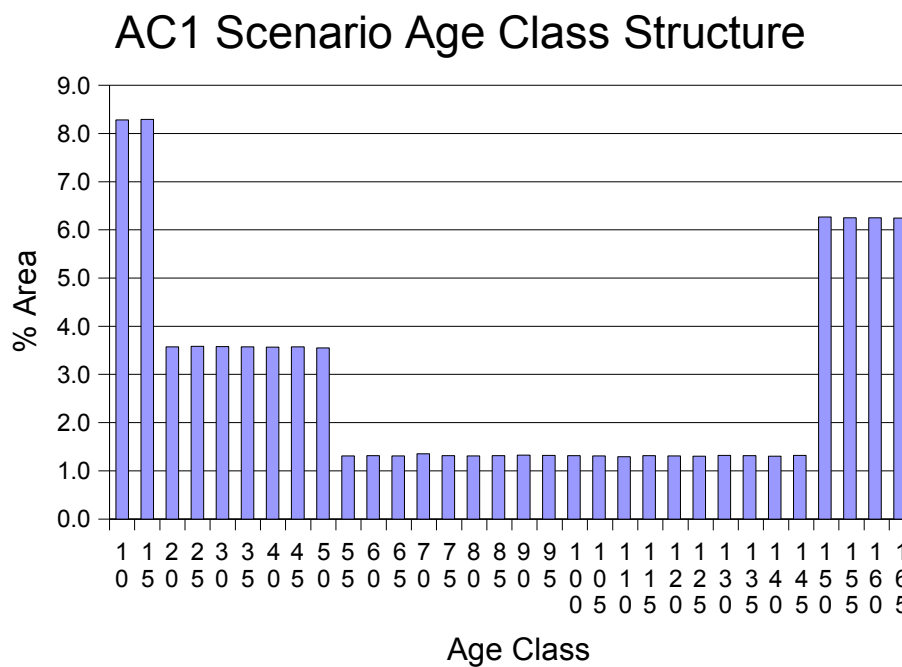
- OS {Other Softwood (eh & tL)}
- PF {Pure Fir}
- PIN {Pine (White and Red Pine)}
- PS {Pure Spruce}
- PT {Pure Tolerant Hardwood}
- SF {Spruce/Fir Mixture}
- SPN {Spruce Mixture}
- TSST {Tolerant Hardwood/Spruce}
- TSTF {Tolerant Hardwood/Spruce/Fir}
- TSTI {Tolerant Hardwood/Spruce/Intolerant Hardwood}
- {Regen Types}
- BF1 {Balsam Fir Option 1(Space Softwood)}
- BF2 {Balsam Fir Option 2(Space SW or MW)}
- BF3 {Balsam Fir Option 3(Space SW,MW or HW)}
- BS1 {Black Spruce Option 1 }
- EC1 {Eastern Cedar Option 1}
- HW3 {Hardwood Option 3 }
- HW4 {Hardwood Option 4 (Space HW or Plant)}
- PF2 {Pure Fir Option 2 }
- PF3 {Pure Fir Option 3 }
- SW3 {Softwood Option 3 }
- PLN {Plant (no fill planting) }
- PLN1
- PLN2
- PLB
- PLJ
- {PLANTATIONS & SPACINGS}
- PLBS
- PLBSC
- PLBSD
- PLBF

- PLJP
- PLJPC
- PLJPD
- PLRP
- PLWS
- PLWSC
- PLWSB
- PLMS
- PLSP
- PLTL
- PLWP
- BFT
- BST
- BSCT
- PFT
- PTT
- PST
- SFT
- SPT
- HWITT
- JPT
- HWIHT
- HWIFT
- HWIST
- PIT
- TST
-
- {Partial Cuts - previously on the License}
- PTPC
- BFPC
- ECPC

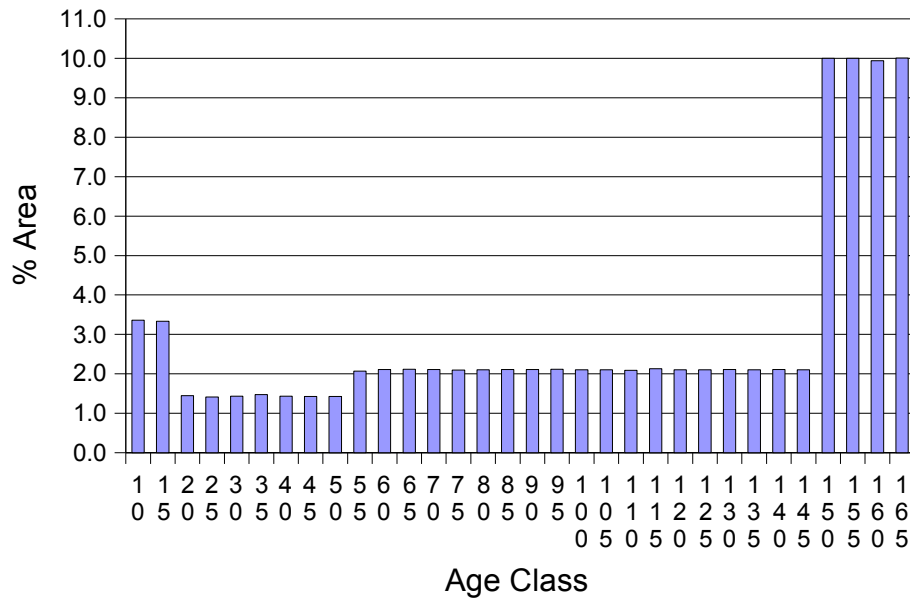
- BSPC
- HWISPC
- OSPC
- TSTFPC
- PIPC
- Theme2 - Stand Treatment Type
 - NAT natural
 - REG regenerating
 - PC partial cut
 - CEX CE sel
 - TSX TH-SW sel
 - THX TH sel
 - PLT planation
 - CT commercial thinning
 - PCT spacing
 - CTNA commercial thinning natural
 - BFC Buffer Harvest
- Theme 3 Ecosistrict
 - 16
 - 24
- 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

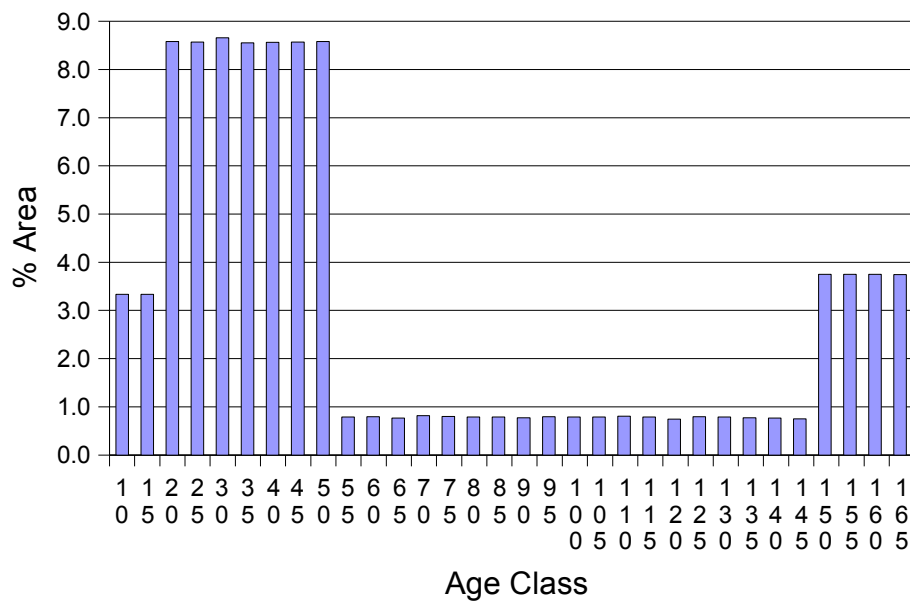


- AC2
 - Age Class Scenario 2

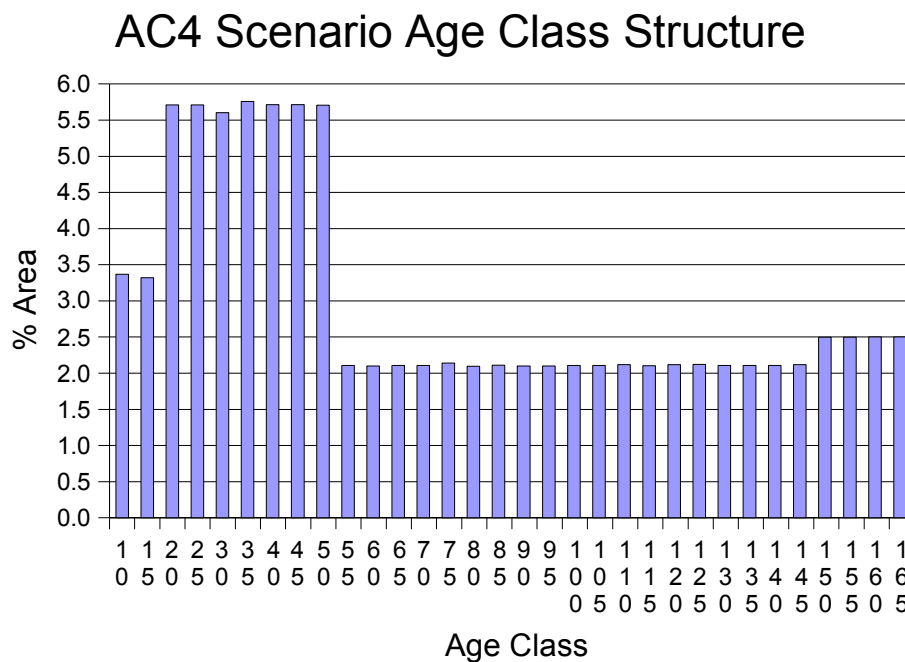


- AC3
 - Age Class Scenario 3

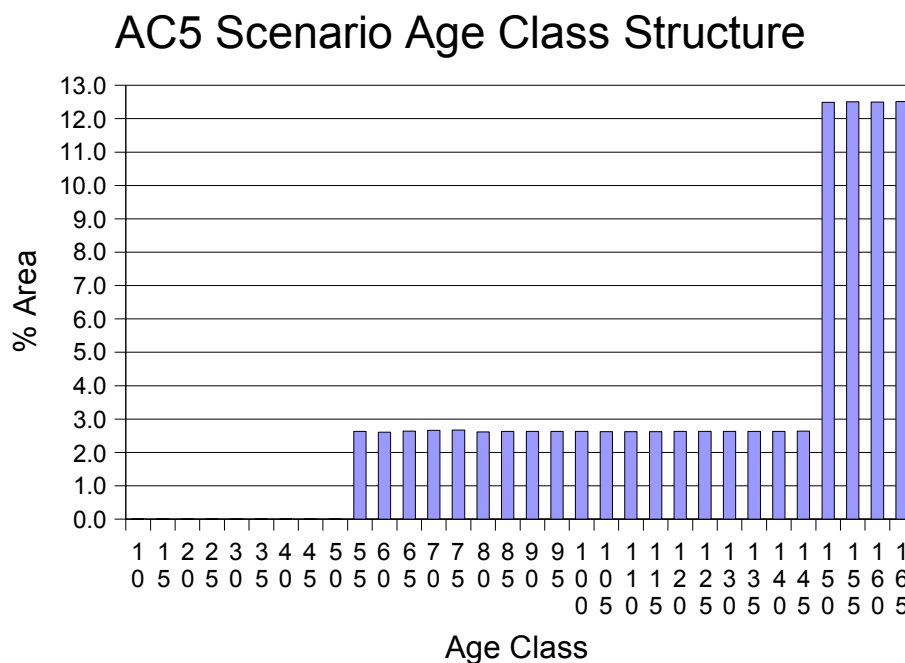
AC3 Scenario Age Class Structure



- 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 – December 21, 2006

Initial publication.