Tree Farm Licence 59

Management Plan No. 2

Version 2.0

April 2018

Project 516-12

Prepared by:

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Submission Page

Tree Farm Licence 59
Management Plan No. 2

Licensee: Weyerhaeuser Company Limited

This Management Plan was submitted on behalf of Weyerhaeuser Company Limited by:

Brian Drobe, RPF
Weyerhaeuser Company Limited

Management Plan Acceptance Letter

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Executive Summary

This is the second Management Plan (MP) prepared for Tree Farm Licence (TFL) 59 held by Weyerhaeuser Company Limited. The completed plan meets the requirements of the *Tree Farm Licence Management Plan Regulation* (B.C. Reg. 280/2009) and is comprised of three main components:

- Management Plan that includes a general description of the tree farm licence land base, a brief history of the TFL, the title and a description of each of the publicly available planning documents used to guide forest management and operations in the TFL area, and a summary of the public review and First Nations referral process;
- Timber Supply Analysis of the short term and long term availability of timber for harvesting in the TFL area, including the impact of management practices on the availability of timber;
- Information Package that includes supporting documentation for the timber supply analysis;

The MP must be approved by the Deputy Chief Forester who also considers the timber supply analysis produced to determine the annual allowable cut (AAC) for this license. The current AAC for TFL 59 is 66,000 m^3 per year. The timber supply analysis for this MP examined the current harvest practices and incorporated new information such as Predictive Ecosystem Mapping, additional Wildlife Habitat Areas, Williamson's Sapsucker Best Management Practices, and the designation of the Vaseux Creek Fisheries Sensitive Watershed. With these changes, the proposed base case scenario maintains the current AAC for 36 years, then increases the AAC in increments until the long term harvest level of 106,500 m^3 per year is reached in 2101.

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List of Acronyms and Abbreviations

AAC	Allowable Annual Cut
BC	British Columbia
ECA	Equivalent Clearcut Area
CWS	Community Watershed
FESBC	Forest Enhancement Society of British Columbia
FLNRO	BC Ministry of Forests, Lands and Natural Resource Operations
FNWL	First Nations Woodlot Licence
FRPA	Forest and Range Practices Act
FPS	Forest Planning Studio
FSW	Fisheries Sensitive Watershed
GAR	Government Action Regulation
HCTF	Habitat Conservation Trust Foundation
IP	Information Package
IWAP	Interior Watershed Assessment Procedures
MP	Management Plan
OIB	Osoyoos Indian Band
OSLRMP	Okanagan Shuswap Land and Resource Management Plan
PA	Protected Area
RMZ	Riparian Management Zone
TEC	Traditional Ecological Knowledge
TFL	Tree Farm Licence
THLB	Timber Harvest Land Base
TSA	Timber Supply Area
WY	Weyerhaeuser Company Limited

1 Introduction

This is the second Management Plan (MP) prepared for Tree Farm Licence (TFL) 59, and it must meet the requirements of the *Tree Farm Licence Management Plan Regulation* (B.C. Reg. 280/2009). This regulation, enacted by the provincial government in November 2009 (with associated amendments to the *Forest Act*), includes content requirements, submission timing and public review requirements for TFL Management Plans.

This document provides a general description and history of the TFL, lists the primary planning documents that guide the management of the TFL and summarizes outcomes from the public review and First Nations referral process. The draft MP also includes, as appendices, the accepted Information Package and a draft timber supply analysis.

2 Description of TFL 59

TFL 59 is located in the south Okanagan near the communities of Okanagan Falls, Oliver and Osoyoos. The TFL is within the traditional territory of the Okanagan First Nation, adjacent to the main reserve of the Osoyoos Indian Band, and in the proximity of the Penticton Indian Band.

The TFL borders the Okanagan Timber Supply Area (TSA) to the west and the Boundary TSA to the east (Figure 1). The total land base of the TFL is 46,458 hectares, ranging in elevation from 500 m to 2,200 m ASL. It extends approximately thirty-four (34) kilometers on a north south axis and twenty-five kilometres in width.

There are seven biogeoclimatic subzone variants in the TFL; Bunchgrass (BGxh1), Ponderosa Pine (PPxh1), Interior Douglas-fir (IDFxh1, IDFdm1), Montane Spruce (MSdm1), and Engelmann Spruce Subalpine Fir (ESSFdc1, ESSFdcp). The principal tree species on TFL 59 include Lodgepole Pine, Western Larch, Ponderosa Pine, Douglas fir, Sub-Alpine Fir and Engelmann Spruce.

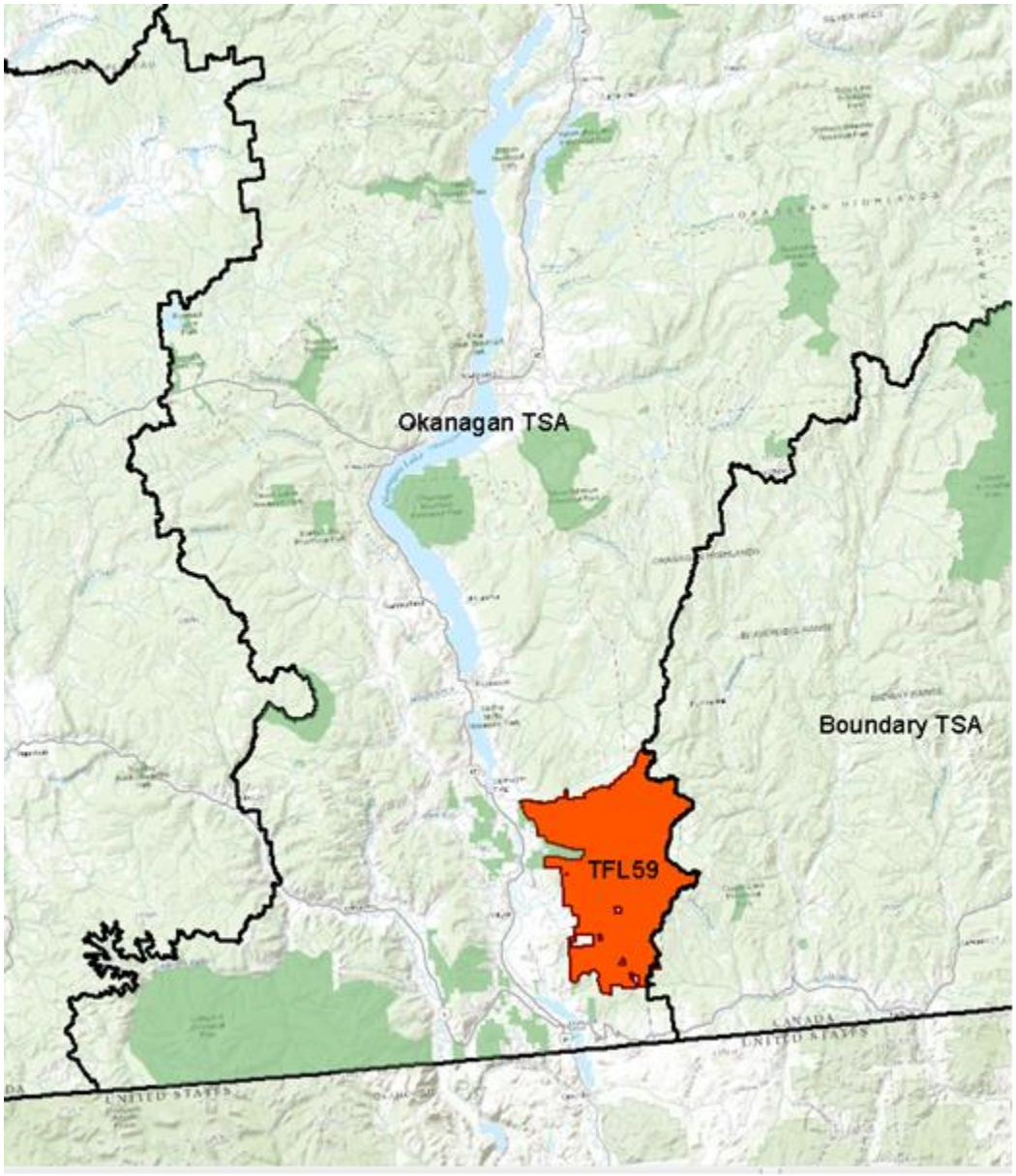

Figure 1 TFL 59 overview map

3 History of TFL 59

TFL 59 was originally granted to Oliver Sawmills Ltd. as TFL 15 on April 22, 1954. Oliver Sawmills went through a number of ownership and name changes over the next few years. In 1957, O&D Holdings owned by M.E. Davis and P.D. O'Brien of Penticton and Dave Sears of Vancouver purchased Oliver Sawmills. In 1960 Midway Terminals purchased Oliver Sawmills, amalgamated several other holdings and changed their name to National Forest Products.

In March 1970 Noranda Mines Ltd. purchased all involved companies and created Northwood Mills Ltd. Weyerhaeuser Canada Ltd. purchased Northwood Properties' Okanagan holdings in 1978. In 1999, Weyerhaeuser Canada Ltd. was renamed Weyerhaeuser Company Limited.

The area in TFL 15 was consolidated with TFL 35 located north of Kamloops on July 14th, 2006. TFL 59 was created on April 1st, 2008 when the area was deleted from TFL 35. The most recent timber supply analysis for TFL 59 was completed in 2004 as part of Management Plan #9 for TFL 15.

The most recent timber supply analysis for the area was completed in 2004 as part of Management Plan #9 for TFL 15. The area in TFL 15 was consolidated with TFL 35 located north of Kamloops on July 14th, 2006 and described as the Inkaneep Block. On April 1st, 2008 as part of a business arrangement between companies, the area of the Inkaneep Block TFL 15 was deleted from TFL 35. The number TFL 15 could not be used so the TFL was given a new number which was TFL 59. For TFL 59, the last Management Plan approved is considered MP #1.

3.1 Allowable Annual Cut History

A summary of the total area and allowable annual cut (AAC) history for TFL 59 is provided in Table 1. Management Plan #9 indicates that the difference in gross area from previous management plans is due to incorrect reporting in MP #8, and is comprised of Vaseux Canyon Goal 1 and Shuttleworth Goal 2 protected areas, revised TFL boundaries resulting from height-of-land corrections, and inclusion of a BC Gas pipeline right-of-way that should have been removed.

Table 1 AAC and area summary

Plan	Period	Gross area (ha)	AAC (m^3/yr)	Gross land base productivity (m^3/ha/yr)
MP #1	1954 – 1957	Not available	15,237	Not available
MP #2	1958 – 1968	Not available	22,653	Not available
MP #3	1969 – 1973	49,213	33,130	0.673
MP #4	1974 – 1975	48,669	82,827	1.702
New Inventory	1976 – 1980	48,669	73,057	1.501
MP #5	1979 – 1980	48,195	72,290	1.500
MP #6	1981 – 1990	48,195	72,300	1.500
MP #7	1994 – 1996	48,106	78,000	1.621
MP #8	1999 – 2004	48,448	70,000	1.445
MP #9 (MP#1 of TFL 59)	2005 – 2017	46,369	66,000	1.423

4 Publicly Available Planning Documents

4.1 Regional and Landscape Level Plans

The Okanagan Shuswap Land and Resource Management Plan (OSLRMP) plan was approved by Government in January of 2001. The LRMP provides government policy direction on the management of natural resources for Crown Land in the plan area.

Land Use orders have been made that brought the main forestry parts of the OSLRMP into legal objectives requiring corresponding Results and Strategies in Forest Stewardship Plans. These include:

- Order Establishing Provincial Non-Spatial Old Growth Objectives – effective June 30, 2004,
- Order Establishing Resource Management Zones and Objectives – effective Feb 6, 2007.

There are still a few non legal parts of the Policy OSLRMP that guide forest management on the TFL.

4.2 Government Action Regulations

A number of Government Action Regulation (GAR) Orders are in effect for areas within TFL 59. These include:

- Ungulate Winter Range #u-8-001 (mule deer) – effective October 10, 2006,
- Ungulate Winter Range #u-8-006 (moose) – effective July 28, 2006,
- Ungulate Winter Range #u-8-005 (mountain goat) – effective July 28, 2006,
- Fisheries Sensitive Watersheds for the Okanagan Region – effective April 17, 2007.

4.3 Operational Plans

Forest Stewardship Plan (effective 2007 – 2018)

The original Forest Stewardship Plan (FSP) for TFL 59 was approved under section 16 of the FRPA on June 18, 2007 and was effective through to June 17, 2012. The FSP specifies results and strategies consistent with government objectives that apply to the land base, and is the main planning document guiding forest operations. This FSP also covers Weyerhaeuser operations in the Okanagan and Boundary TSAs, and includes the operations of two other licencees. The FSP was then extended on June 18, 2012 through to June 17, 2017.

Most recently, FSPs have required renewal. A short term extension was approved through to June 17, 2018 to allow for sufficient time for public review and First Nation information sharing by Weyerhaeuser and also consultation and subsequent review and approval by government of the renewed FSP.

4.4 Independent forestry certification programs

Weyerhaeuser's operations on TFL 59 are currently certified to the Sustainable Forestry Initiative (SFI) 2015-2019 Forest Management Standard.

4.5 Other Plans

Williamson's Sapsucker (WISA) is listed under Schedule 1 of the federal *Species at Risk Act*, and is on the provincial Red list in British Columbia. The "*Best Management Practices for Timber Harvesting, Roads, and Silviculture for Williamson's Sapsucker in British Columbia: Western Area of Occupancy*" was published in February 2014 and guides forestry activities within important WISA habitat in TFL 59.

5 Timber Supply Analysis

The *TFL MP Regulation* requires a management plan to contain a timber supply analysis that analyzes the short and long-term availability of timber for harvesting in the TFL including the impact of management practices on the availability of timber. The Regulation also requires supporting documentation for the timber supply analysis including resource inventories, a description of the model and analytical methods used to formulate the timber supply and any other information relevant to timber supply on the TFL.

5.1 Supporting Documentation for Timber Supply Analysis

An Information Package was prepared prior to timber supply modelling, and describes the resource inventories, management practices and model description to be used in the analysis (see Appendix 2). The Information Package was made available for public review and First Nations referral, and was later accepted by the Ministry of Forests, Lands and Natural Resource Operations Forest Analysis and Inventory Branch on April 3, 2017.

The latest timber supply analysis for TFL 59 (see Appendix 3) was prepared by Forsite Consultants Ltd. using the modelling software Forest Planning Studio (FPS) - ATLAS version 6.0.2.0.

6 Public Review and First Nations Review

6.1 Public and Agency Review

Section 6 of the *TFL Management Plan Regulation* outlines the requirements for public review and comment. In accordance with this requirement, a proposed public review strategy was submitted to the BC Ministry of Forests, Lands and Natural Resource Operations (FLNRO) on August 19th, 2016 and was subsequently approved by the Regional Executive Director on September 13, 2016 (see Appendix 1).

As outlined in the strategy, two products from this management plan process were made available for public review:

- A draft information package (IP),
- A draft management plan (MP) – including the final IP and draft timber supply analysis report.

To invite public comment on the draft material presented Weyerhaeuser Company Limited completed the following:

- Provided access to a printed copy at the Weyerhaeuser Company Limited office in Okanagan Falls,
- Provided access to a printed copy by mail or e-mail if requested,
- Provided access to an electronic document through a website link,
- Emailed government agencies,
- Emailed or mailed to Stakeholders,
- Published newspaper advertisements.

All distributions and responses received were shared with FLNRO.

6.1.1 Public and Agency Review of the Draft Information Package

This draft MP is the second product available for review following the Information Package (Appendix 1). Comments received from the public and government agencies reviews of the draft IP are provided in Table 2 below.

Table 2 Comments received from the public and agencies on the Draft Information Package

Provided By	Summary of Comments or Questions	Response
Public	E-mail request for link to IP. Expression of interest in Anarchist Mtn area and in TFL boundaries	Provided link to IP and explanation that area by Anarchist is within the Okanagan TSA and not in the TFL. Also explained that the TFL boundaries have not changed significantly for quite some time
Penticton Fly Fishers	E-mail request for link to IP. Expression of interest in current and planned access into lakes on TFL 59	Provided link and brief explanation of which lakes exist on TFL 59
Regional District of Okanagan Similkameen	Phone call discussion on what is expected for a response from RDOS and an explanation of the MP process	No action required
Area 'D' Director	Letter outlining recognition of importance of economic contribution from forestry and the necessity to manage values important to residents and visitors. Requested copy of eventual approved IP and MP.	Forward copies of requested documents when they are approved/finalized
South Okanagan Sportsman Association	Meeting at Okanagan Falls office to pick up a paper copy of the IP and expressed interest in the content on wildlife management	Hardcopy of IP provided
Okanagan Similkameen Parks Society	Phone call requesting a link to IP and expressed interest to meet in January or February to look at development plan maps.	Provided link to IP on Forsite website, and followed up with phone call to confirm it was received
Okanagan Similkameen Parks Society	Meeting to discuss the following topics: 1) Goal 2 areas within the TFL. Only 4.8 hectares of THLB are within the TFL and are acknowledged as not being available for harvest given they are a crown land reserve. 2) Question was raised whether actual site productivity of regenerating stands is consistent with modelling assumptions	1) IP content will be revised to include section on Goal 2 areas 2) During analysis, site volume estimates will be provided for representative areas that concerned the society, and they will be visited in the field. 3) Other items were discussed but they did not have relevance to the TFL IP or MP.
Ministry of Forests, Lands and Natural Resource Operations	Conference call with C. Delwisch. Items discussed included: 1) Identified need to clarify base case assumption	1) Provide draft revised IP text to Rob Stewart for comment and acceptance including background on Critical Habitat an Area of Occupancy

(FLNRO)	in IP text 2) Discussed two sensitivity analysis runs to be completed, including a) impacts from proposed WISA WHAs and b) removing retention requirements for those areas of suitable habitat that are pine leading	2) Sensitivity analysis to be done once IP finalized
FLNRO, Cumulative Effects	Hydrologic recovery curves have been updated resulting in the recommendation that regenerating stands achieve 5 metres in height to meet minimum recovery requirements. The previous requirement was 2 metres. Extension note 116 at https://www.for.gov.bc.ca/hfd/pubs/En.htm	We are aware of the updated information on recovery rates. As per EN 118, ECA is a relative measure of watershed condition that we consider along with other information to understand what is occurring within the CWS and FSW in which we operate. No action required.
FLNRO, Cumulative Effects	The average retention around small non-fish bearing streams is 5.1 metres. The IWAP recommends 10 metres. There is not a legal requirement however there is an expectation for standards to be higher than average for fisheries sensitive watersheds	The comment is not clear on what size of small non-fish bearing streams the comment is pertinent to. The comment is not clear as to the specific FSW and its respective values that have derived its designation. The IP will be updated to reflect the requirement within our FSP to leave 50% retention within the RMZ of S6 streams > 1.5 metres in width
FLNRO, Entomologist	I think they have addressed the critical pest concerns on their TFL and with higher stem density in developing (young) stands many of the potential losses can be alleviated. I realize stem form is usually not considered, but terminal weevil in pine will often decrease stem form (most common deformity forks) however will not cause volume loss or mortality and that is correctly noted in the document.	No action required

6.2 First Nations Review

Information sharing with First Nations followed the same and concurrent process as the public review. Specifically, two products from this management plan process were referred to First Nations:

- A draft information package (IP) and
- A draft management plan (MP) – including the final IP and draft timber supply analysis report.

To invite First Nations comment on the draft material presented Weyerhaeuser Company Limited completed the following:

- Provided access to a printed copy at the Weyerhaeuser Company Limited office in Okanagan Falls,
- Provided access to a printed copy by mail or e-mail if requested,
- Provided access to an electronic document through a website link,
- Emailed First Nations,
- Published newspaper advertisements,
- Hosted and attended information sharing meetings.

All distributions and responses received were shared with FLNRO. In addition FLNRO will be undertaking formal consultation with First Nations on this draft management plan.

6.2.1 First Nations Review of the Draft Information Package

Comments received from First Nations reviews of the draft IP are provided Table 3 below.

Table 3 Comments received from First Nations on the Draft Information Package

Provided By	Summary of Comments or Questions	Response
Osoyoos Indian Band	Letter outlining concerns with forest management on TFL 59, a request of numerous assessments and inventories, and request to meet	A phone conversation was held with Yvonne Weinert to discuss the letter. Discussed setting up a meeting with government to describe the TFL MP process and OIBs concerns
	Meeting on February 15th with OIB reps to discuss the OIB response letter and discuss MP process. Request for opportunity to provide for broader OIB member involvement.	Coordinate with OIB contacts for meeting involving broader membership as an opportunity for members to voice their issues, questions, and concerns.
	Meeting on May 29th to discuss concerns over impacts from harvesting on TFL 59 including but not limited to wildlife, watersheds, FN values, Old Growth, utilization. Request for follow up meeting with broader community representation.	Coordinate with OIB contacts to set up an evening community meeting.
	Community Meeting on June 13th. Same concerns as above with perhaps greater emphasis on ungulate populations. Additional concerns over accuracy of AAC analysis and company compliance to legal requirements.	AAC analysis information and information on govt compliance and monitoring systems to be provided by government. Weyerhaeuser to coordinate with OIB contacts as field trip with OIB member representation to look at forestry issues.
	September 21st meeting with OIB reps and Chief Clarence to review progress on action items from community meeting. Request for ungulate study to be done by independent 3rd party.	Coordinate with OIB contacts to finalize a field trip date (tentative date set for October 11th). Search funding opportunities to do an ungulate study through FESBC or similar program (HCTF).
	Meeting with OIB Lands Dept October 5th to set agenda for the field trip and adjusts plans to accommodate special requests for areas to be toured	Draft agenda adjusted as per requests.
	Field trip of TFL 59 occurred on October 11th. Stops included harvest plans in Doug Fir types, large Cutblocks, special plant picking sites, harvesting with utilization concerns, riparian management results, access management plans, and second growth pine plantations.	Letter for referral of draft MP#2 included list of management offered management adjustments to address concerns raised by OIB members.
Nicola Tribal Association – Tmixw Research	Letter confirming that the NTA will defer review and comment to the Osoyoos Indian Band.	No action required

6.3 Summary of Revisions to the Information Package

The following revisions were made to the Information Package as a result of the public review and First Nations review:

- Reference to Goal 2 protected areas was added,
- Revised background on Williamson's Sapsucker Critical Habitat and Area of Occupancy,
- Added sensitivity analysis to include proposed Williamson's Sapsucker proposed Wildlife Habitat Areas,
- Added sensitivity analysis to remove retention requirements for Williamson's Sapsucker Low and Moderate habitat in stands with greater than 70% Lodgepole pine.

In addition, the following revisions to the Information Package were made after the review period:

- Wildlife Tree Patch retention within the THLB was increased from 0.46% to 4%,
- Yield tables for naturally regenerated stands were modelled in VDYP,
- Yield tables for managed stands were revised to reflect the proportion of planted stems and natural regenerated stems within each analysis unit,
- Minimum harvest age criteria for managed stands revised to the age at which 95% of the culmination of mean annual increment is achieved,
- Visual quality objectives revised to match the Okanagan TSA standards,
- Mule deer winter range retention revised from a stand retention requirement to a forest cover requirement,
- Timber Harvesting Land Base area changed to reflect the above revisions,
- Harvest priority revised from 'oldest relative to minimum harvest age' to 'random'.

6.4 Public Review and First Nations Review of the Draft Management Plan

This document provides a general description and history of the TFL, listed the primary planning documents that guide the management of the TFL, the accepted Information Package and the draft Timber Supply Analysis are included as appendices.

FLNRO will be undertaking formal consultation with First Nations on this draft management plan.

Outcomes from the public review and First Nations review will be incorporated into the final version of the MP that will be submitted to government.

6.4.1 Summary of Comments Received

Table 4 summarizes the comments received from the public and agencies regarding the draft management plan.

Table 4 Comments received from the public and agencies on the Draft Management Plan

Provided By	Summary of Comments or Questions	Response
Trapper	Request for development plan info to be sent regularly to trapper	Request not related to Draft MP but still offered to send information on development.
Okanagan Similkameen Parks Society	Email requesting draft MP documents be sent directly as person was having difficulty with link to drop box.	Key documents email on Nov 14th 2017.

Table 5 summarizes the comments received from the First Nations regarding the draft management plan.

Table 5 Comments received from First Nations on the Draft Management Plan

Provided By	Summary of Comments or Questions	Response
Osoyoos Indian Band	Copied on letter (Nov 14/17) to Minister Doug Donaldson and Minister George Heyman outlining concerns with forest management on TFL 59 and request for involvement in the current and future processes pertaining to the area.	Letter response to both Ministers providing a summary of recent communications with the Band, our offered management accommodations, and conveying our willingness to meet with OIB to further address their concerns and improve the relationship.
Osoyoos Indian Band	Meeting (February 26, 2018) with OIB Lands Dept. Chief and Council representatives. Discussion on the TFL MP and request for a 10 year spatial plan for harvest. Also wanting more information on near term (1-3 year) harvest plans and to schedule a meeting to discuss. Other non-MP related discussion on topics such as employment, referral services agreement, HCTF/FESBC proposals, etc.	Weyerhaeuser will prepare a 10 year spatial plan to share with OIB (sent March 16). Weyerhaeuser agreed to a follow up meeting to discuss the near term harvest plans. As there is urgency with the upcoming deadline for comments from OIB on the TFL MP, this meeting should be scheduled in the near future.
Osoyoos Indian Band	Meeting (March 15, 2018) with OIB Lands Dept. and field technicians. Discussion on the referral services agreement rates and referral process for the improved involvement of OIB in development planning. Shared	Weyerhaeuser to provide digital files for road deactivation proposal (sent March 16). Field technicians requested information on our riparian management standards and expressed interest in being involved in a logging pre-work for a cutblock to be done in the spring.

	the road deactivation proposal and discussed on the community review of access management might occur. OIB communicated additional extension for comments on MP. OIB requested that we fund the TEK assessment for TFL 59	The suggestion was made to OIB that they pursue funding for TEK from government. OIB requested the shape files for the next two years harvesting which Weyerhaeuser will provide in the next few weeks.

6.4.2 Summary of Revisions

From both the public review and the First Nations review, no revisions have been made to the Management Plan.

The concerns raised by OIB are largely related to forest management practices though these are influenced by the determined rate of cut (allowable annual cut). The following management practices that we have been offered to address several of the issues raised by OIB:

- Stop practice of large clear-cuts > 40 hectares unless where agreed to by Band for salvage or other reasons,
- Harvesting in lower elevation Douglas-fir stands will use small patch cuts or significantly increased retention,
- Improved riparian protection through increased buffers with retention of merchantable stems, non-merchantable stems, other vegetation,
- Incorporate practice of providing screening where harvesting is next to major roads,
- Revisit the original wildlife travel corridor mapping for applying to future development,
- Minimizing road construction or upgrades to only the extent necessary to facilitate safe hauling in lower elevation areas,
- Prepare an initial road deactivation plan for TFL 59 to reduce access and hunting pressure,
- Work with OIB to develop a management strategy with the purpose of protecting plants of importance to OIB,
- Forward information to OIB for those cutblocks where harvesting and waste surveys have been completed for Band member awareness of where wood is available for use.

Changes to practices as described above are being implemented into new development projects and even harvesting that occurred this winter was adjusted where possible to incorporate these practices. Other actions that are being worked on are shown below with sub-bullets providing updates and/or additional information:

- Forwarding copies of recent assessments completed for TFL 59,
    - A watershed assessment of Vaseux Creek was completed in January of 2017. The resulting ECA from proposed development was 19% with 5 of 7 sub-basins showing a decreasing ECA while 2 sub-basins showed only minor increases.
- Pursue funding for an Ungulate study, Watershed Assessments of main tributaries, road deactivation projects,
    - Funding proposals were made to FESBC and HCTF for five projects of interest to OIB. None of the proposals received funding.
- Forward copy of FREP riparian monitoring results for WY operations,
    - FREP riparian monitoring results of WY operations showed some of the most positive results in industry. FREP staff were very interested in our management system for achieving such good results.
- Follow-up with OIB to determine availability and potential work opportunities for those with forestry skills or those interested in positions at the sawmill,
    - WY Human Resources manager recently attend an OIB job fair and plan to attend another fair in May

- Discussions have occurred regarding employing the OIB field technicians to do forestry work on the TFL. The technicians are currently busy doing work on the OIB FNWL and community forest in Grand Forks.

Appendix 1 Approved Public Review Strategy

BRITISH COLUMBIA

September 13, 2016

Brian Drobe
Planning Forester – OK Falls/Princeton
Weyerhaeuser Company Limited
1655 Maple Street
Okanagan Falls, British Columbia
V0H 1R2

Dear Brian Drobe:

Thank you for your August 19, 2016 submission of the Public Review Strategy for Management Plan No. 2 for Tree Farm Licence 59. As required by Section 6(2) of the Tree Farm Licence Management Plan Regulation I hereby approve your Public Review Strategy.

If you have any questions regarding this approval, please contact Cheryl Delwisch, Timber Supply/Geomatics Forester at (250) 371-3839 or by email at Cheryl.Delwisch@gov.bc.ca.

Yours truly,

Gerald MacDougall, R.P.F.
Regional Executive Director
Thompson Okanagan Region

pc: Ray Crampton, District Manager, Okanagan Shuswap District (DOS)
Eric Goodman, Tenures Officer, DOS
Jim Brown, Senior Analyst – TFLs, Forest Analysis and Inventory Branch (FAIB)
Cheryl Delwisch, Timber Supply/Geomatics Forester, FAIB

Ministry of Forests, Lands and Natural Resource Operations
Thompson Okanagan Region
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Appendix 2 Accepted Information Package

Weyerhaeuser Company Limited
Tree Farm Licence 59
Management Plan 2

Timber Supply Analysis
Information Package

Report date: September 13, 2017

Forsite Project: 519-12

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1Introduction

Tree Farm Licence 59 is located in the south Okanagan near the communities of Okanagan Falls, Oliver and Osoyoos. Weyerhaeuser Company Limited has held the TFL since 1978. It was previously known as TFL 15 until July 14th, 2006 when it was consolidated with TFL 35 located north of Kamloops, but then became TFL 59 on April 1, 2008 when the area was separated from TFL 35.

The most recent timber supply analysis for TFL 59 was completed in 2004 as part of Management Plan #9 for TFL 15. The current Allowable Annual Cut for TFL 59 is 66,000 cubic meters (established August 3, 2005). British Columbia's *Forest Act - Tree Farm Licence Management Plan Regulation* requires the completion of Management Plan #2 for TFL 59 prior to April 1, 2018, and this Information Package and the upcoming Timber Supply Analysis are in support of MP#2.

This Information Package provides the necessary documentation of data sources, modelling assumptions and procedures expected to be used in completing the upcoming Timber Supply Analysis for Tree Farm Licence 59.

1.1 Location

TFL 59 is located in the southern end of the Okanagan valley near the communities of Okanagan Falls, Oliver and Osoyoos (Figure 1).

The total land base of the TFL is 46,458 hectares, ranging in elevation from 500 m to 2,200 m ASL. There are seven biogeoclimatic subzone variants in the TFL; Bunchgrass (BGxh1), Ponderosa Pine (PPxh1), Interior Douglas-fir (IDFxh1, IDFdm1), Montane Spruce (MSdm1), and Engelmann Spruce Subalpine Fir (ESSFdc1, ESSFdcp).

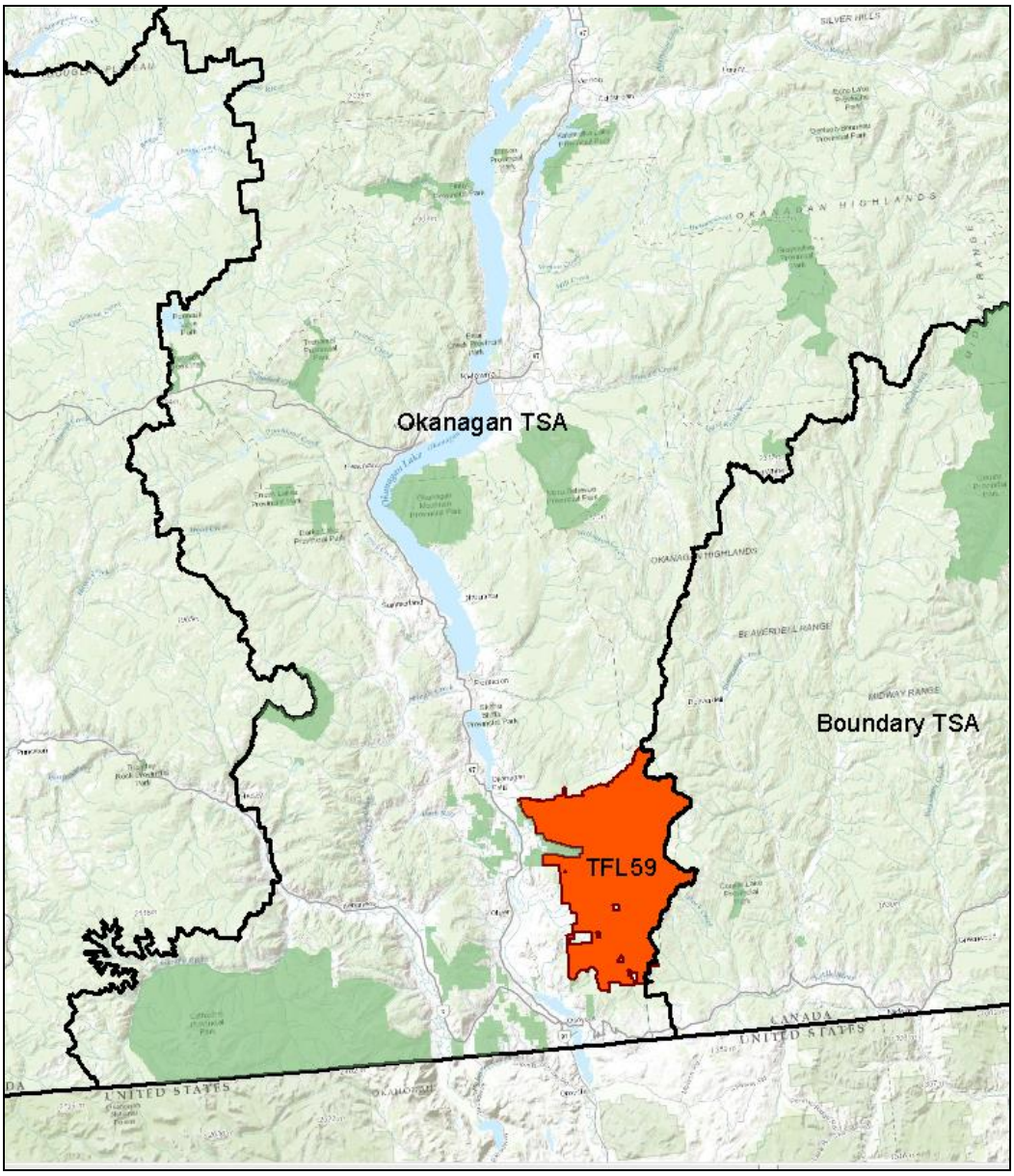

Figure 1. Location of Weyerhaeuser's Tree Fram Licence 59

1.2 Forest Management Considerations Affecting TFL 59

A number of the recent changes to forest management practices in the region are expected to impact timber supply in TFL 59. These topics are briefly described below.

1.2.1 Wildlife Habitat Areas

Over 600 hectares of Wildlife Habitat Areas (WHA) for Williamson's Sapsucker, Tiger Salamander, White-headed Woodpecker, Lewis's Woodpecker, and Western Rattlesnake have been established in the TFL since 2004. An additional 500 hectares of proposed WHAs for Williamson's Sapsucker are listed in the provincial proposed WHA data layer.

1.2.2 Williamson's Sapsucker Best Management Practices

The Williamson's Sapsucker Recovery Strategy classifies Critical Habitat for the Okanagan-Boundary Area of Occupancy. Based on habitat suitability modelling, sites classified with Low – High, as well as sites classified as Nil or Very Low with confirmed known or probable breeding sites, are considered Critical Habitat. Critical Habitat is managed through stand-level retention requirements. Known nesting sites require no-harvest buffer.

1.2.3 Terrestrial Ecosystem Mapping

Terrestrial Ecosystem Mapping (TEM) has been completed and approved for use in timber supply review for TFL 59. The Provincial site productivity layer, which provides improved estimates of site productivity for managed stands, utilized the TEM data for the TFL will be incorporated into the upcoming analysis.

1.2.4 Fisheries Sensitive Watershed

Vaseux Creek, the largest watershed within the TFL has been designated as a Fisheries Sensitive Watershed. This designation provides additional fisheries protection through management focus on maintaining natural hydrologic conditions and water quality, quantity and timing of flows required by fish. Enhanced riparian reserve areas have also been spatially delineated throughout the Vaseux watershed.

2 Inventories and Data Sources

To ensure that all forest management objectives are appropriately considered in the upcoming timber supply analysis, a broad set of timber and non-timber forest resource datasets have been compiled. Table 1 describes the data used to build the TFL resultant file which is stored within an ArcGIS geodatabase.

Table 1. Resource Data Sources and Vintage

Resource	Source	Vintage
Lakes	WHSE_BASEMAPPING.FWA_RIVERS_POLY	Apr, 2013
Rivers	WHSE_BASEMAPPING.FWA_LAKES_POLY	Apr, 2013
Wetlands	WHSE_BASEMAPPING.FWA_WETLANDS_POLY	Apr, 2013
Streams	Weyerhaeuser Co. Ltd.	Jun 2016
Permanent Roads	Weyerhaeuser Co. Ltd.	Jun 2016
Temporary Roads	Weyerhaeuser Co. Ltd.	Jun 2016
TFL 59 Boundary	WHSE_ADMIN_BOUNDARIES.FADM_TFL	Dec, 2016
TFL 59 Boundary Additions	WHSE_ADMIN_BOUNDARIES.FADM_TFL_ADDITION	Jul, 2016
TFL 59 Boundary Deletions	WHSE_ADMIN_BOUNDARIES.FADM_TFL_DELETION	Jul, 2016
Utilities	WHSE_TANTALIS.TA_CROWN_RIGHTS_OF_WAY_SVW	May, 2016
Enhanced Riparian Reserves	Weyerhaeuser Co. Ltd.	Jun 2016
GY Permanent Sample Plots	WHSE_FOREST_VEGETATION.GRY_PSP_STATUS_ACTIVE	May, 2016
Research Installations	WHSE_FOREST_VEGETATION.RESPROJ_RSRCH_INSTLTNS_SVW	Jul, 2016
Provincial Site Productivity Layer	Site_Prod_with_All_PEM_TEM_v3_20130630	Jul, 2016
Vegetation Resources Inventory	WHSE_FOREST_VEGETATION.VEG_COMP_LYR_R1_POLY	Jun 2016
Openings	Weyerhaeuser Co. Ltd.	Jun 2016
RESULTS Openings	WHSE_FOREST_VEGETATION.RSLT_OPENING_SVW	May, 2016
RESULTS Forest Cover	WHSE_FOREST_VEGETATION.RSLT_FOREST_COVER_INV_SVW	Jul, 2016
Wildfires (historic to 2015)	WHSE_LAND_AND_NATURAL_RESOURCE .PROT_HISTORICAL_FIRE_POLYS_SP	Oct, 2015
Wildfires (current)	WHSE_LAND_AND_NATURAL_RESOURCE.PROT_CURRENT_FIRE_POLYS_SP	May, 2016
Landscape Units	WHSE_LAND_USE_PLANNING.RMP_LANDSCAPE_UNIT_SVW	Oct, 2015
Legal Planning Objectives	WHSE_LAND_USE_PLANNING.RMP_PLAN_LEGAL_POLY_SVW	Jun 2016
Old Growth Management Areas	Weyerhaeuser Co. Ltd.	Jun 2016
Community Watersheds	WHSE_WATER_MANAGEMENT.WLS_COMMUNITY_WS_PUB_SVW	Apr, 2016
Fish sensitive watersheds	WHSE_WILDLIFE_MANAGEMENT.WCP_FISH_SENSITIVE_WS_POLY	Mar, 2015
Visual Landscape Inventory	WHSE_FOREST_VEGETATION.REC_VISUAL_LANDSCAPE_INVENTORY	Mar, 2016
Recreation Polygons	WHSE_FOREST_TENURE.FTEN_RECREATION_POLY_SVW	Apr, 2016
Cultural Heritage	Weyerhaeuser Co. Ltd.	Jun 2016
Ecosystem Classification	WHSE_FOREST_VEGETATION.BEC_BIOGEOCLIMATIC_POLY	Oct, 2015
Terrain Stability	WHSE_TERRESTRIAL_ECOLOGY.STE_TER_STABILITY_POLYS_SVW	Jul, 2016
Controlled Recreation Areas	REG_LEGAL_AND_ADMIN_BOUNDARIES.CONTROLLED_REC_AREAS_BC	Apr, 2016
Sensitive Ecosystems	WHSE_TERRESTRIAL_ECOLOGY.STE_SEI_ATTRIBUTE_POLYS_SVW	May, 2016
Terrestrial Ecosystem Mapping	Weyerhaeuser Co. Ltd.	Mar, 2000
Forest Tenure Ownership	WHSE_FOREST_VEGETATION.F_OWN	Mar, 2016
Parks and Protected Areas	WHSE_TANTALIS.TA_PARK_ECORES_PA_SVW	Dec, 2015
Ungulate Winter Range	Weyerhaeuser Co. Ltd.	Jun 2016
Ungulate Winter Range Harvest Opportunities	Weyerhaeuser Co. Ltd.	Jun 2016
Wildlife Habitat Areas	WHSE_WILDLIFE_MANAGEMENT.WCP_WILDLIFE_HABITAT_AREA_POLY	Jun 2016
Williamson's Sapsucker Nest Sites	ftp://ftp.geobc.gov.bc.ca/publish/Regional/Kamloops/Species_At_Risk/	Jul, 2016
Williamson's Sapsucker Habitat Suitability	ftp://ftp.geobc.gov.bc.ca/publish/Regional/Kamloops/Species_At_Risk/	Jul, 2016
Williamson's Sapsucker Nest Sites Buffers	Forsite Consultants Ltd.	Jul, 2016

WHSE refers to the BC Geographic Warehouse (BCGW) and can be found at http://geobc.gov.bc.ca/

2.1 Forest Cover

2.1.1 Vegetation Resources Inventory

The current forest inventory for TFL 59 is based on a Phase I Vegetation Resource Inventory (VRI) forest cover typing completed in 1997. Phase II VRI field samples were completed in 2000 and 2002. Standard sampling procedures were followed but the sampling error for net merchantable volume at the 95 percent confidence interval was still 18%.

At the time of the last Management Plan, Ministry of Sustainable Resource Management staff reviewed the Phase II data and determined that stand volumes were being underestimated for young stands and overestimated for mature stands. They calculated that for stands in age classes 4 to 9 (stands greater than 60 years of age) it was appropriate to reduce net volumes by nine percent. This included a 5% volume adjustment and an estimated 4% Net Volume Adjustment Factor (NVAF). Because of the high sampling error, sensitivity analyses were performed varying the existing volume estimates by five percent.

Weyerhaeuser believes that a statistical adjustment of the VRI and yield is not appropriate for the Base Case analysis. However, to explore the potential impact on timber supply, a sensitivity analysis using the statistically adjusted VRI natural stand yields will be completed. Specifically, Weyerhaeuser will utilize the MFLNRO procedures to adjust the VRI attributes and volumes using VDYP 7 for stands older than 60 years of age. The adjusted VDYP 7 yields will be used to complete a sensitivity analysis of the Base Case timber supply analysis.

2.1.1.1 Management Era

In this analysis, stand history will be used to characterize stands for a number of purposes, such as to define land base classifications, assign management objectives and develop yield projections. Stand history information is derived from attributes reported in the VRI, as well as local knowledge.

Based on regeneration methods, harvest systems, protection and non-timber resource management, TFL 59 has three distinct past management eras. A fourth era will characterize future activities based on current management objectives.

Era 1 (1955 – 1974)

Era 1 focused on timber development and protection, as well as road construction. The primary method of stand regeneration was through natural seeding, with some experimental tree planting activities near the end of the era. It is estimated that regeneration delays ranged between 5 and 10 years, with an average of 7 years used in this analysis.

Era 2 (1975 – 1995)

Era 2 is characterized by the expansion of the Weyerhaeuser planting program with increasing availability of stock for a variety of species and genetics improvements. Within this era, basic silviculture became the responsibility of the licensee, site preparation treatments were commonly used throughout the TFL, and stocking management became a management priority. Regeneration delays generally varied between 5 years earlier in the period to 2 years in later years. For this analysis, the regeneration delay will be set to 3 years.

Era 3 (1996 - Current)

Implementation of the Forest Practices Code is a dominant aspect of Era 3 when an integrated resource management approach influenced planning, road construction and harvesting operations. Era 3 includes the introduction of Weyerhaeuser's patch cutting program in the drybelt-fir portions of the TFL. Since 1996, Weyerhaeuser has implemented a program to rehabilitate 100% of all landings and in-block disturbance. Log yarding practices were also changed from a yard-to-landing to yard-to-roadside, further reducing the percentage of permanent access. Regeneration emphasized prompt site preparation and planting, and reforestation was generally completed within 1 year.

Era 4 (Future)

Assumptions regarding future management objectives are largely based on current practices. This includes the continuation of patch cuts in the drybelt-fir portions of the TFL, rehabilitation of all temporary access roads, and continued use of genetically improved stock. Future management will also be influenced by recently defined Resource Management Zones (RMZs) and the Best Management Practices established in the Okanagan Shuswap LRMP.

2.1.2 Adjustments for Harvesting and Natural Disturbances

The VRI forest inventory data set is updated annually for disturbances resulting from recent harvesting, fire occurrences and the mountain pine beetle infestation. Disturbances occurring within the past year are updated, through a number of sources, as the modelling database is built.

Recent harvesting disturbances were captured using the provincial RESULTS (Reporting Silviculture Updates and Land Tracking System) dataset. Similarly, the provincial historic and current fire history datasets were used to update for recent fire occurrences. The specific stand attribute values used in the updating process were derived from the RESULTS records, or alternatively estimated from the pre-disturbance stand conditions in the VRI where necessary. The VRI assigned regeneration date was used whenever available. Where a regeneration date was not assigned, it was assumed that the stand would have regenerated 3 years after the date of disturbance.

The BC Provincial Scale Mountain Pine Beetle Model (BCMPBv9) was developed by FAIB to assess the impacts of mountain pine beetle (MPB) outbreak and management interactions across the province. The model uses forest cover data, the Provincial Aerial Overview Survey of Forest Health, and information from a stand-level MPB population model to estimate the extent of pine mortality, and to project possible courses of infestation into the future. The BCMPB results have been incorporated into the VRI so that live and dead timber volumes within that dataset include these estimates of mortality to the projection year.

Unlike other portions of the interior TFL 59 experienced very little MPB disturbance. Table 2 reports the area within the TFL with a history of natural disturbance and the level of disturbance (percent of volume). Within the TFL, a total of 9,375 ha have a disturbance history, of which 8,384 ha is within the THLB. At the

stand level, disturbance history is very low with the area-weighted level of disturbance less than 1%. Because the level of natural disturbance on the TFL is low, this analysis will be based on live standing volume and will not incorporate existing dead standing inventory volume or shelf-life.

Table 2. Area of Natural Disturbance and Percent Stand Disturbance

Land Base Classification	Leading Species	Area with a Natural Disturbance History (ha)	Area Weighted Stand Percent Disturbance (%)
THLB	BL	292.8	0.00
THLB	DEC	25.4	0.43
THLB	FD	834.3	0.00
THLB	LW	490.3	0.00
THLB	PL	4,452.6	0.17
THLB	PY	97.8	0.00
THLB	SX	2,190.8	0.70
NTHLB	BL	6.4	0.00
NTHLB	DEC	22.6	0.00
NTHLB	FD	272.7	0.00
NTHLB	LW	46.0	0.00
NTHLB	PL	100.6	0.11
NTHLB	PY	81.9	0.00
NTHLB	SX	70.6	0.36
NCFLB		389.8	0.30
Total		**9,374.5**	

THLB – Timber Harvest Land Base, NTHLB – Non-Timber Harvest Land Base, NCFLB – Non-Crown Forest Land Base

2.2 Provincial Site Productivity Layer

The Provincial site productivity layer was used to classify site productivity of managed stands. Traditional methods of estimating site productivity, such as remote sensing, often underestimate site potential in mature stands, and the site productivity layer was developed to provide a consistent, improved source of information for young stands.

The productivity layer provides point estimates of site index for each species based on data that correlates site index with the Biogeoclimatic Ecological Classification (BGC) system. The BGC mapping in TFL 59 is based on a TEM project completed in 2000 and provincially approved for use in timber supply analysis.

Point estimates from the provincial productivity layer were aggregated into similar site productivity polygons using the Thiessen methodology, which is available within the ArcGIS application. The site productivity polygons were then intersected with forest inventory polygons and an area weighted average site index value was calculated for the leading species reported in the VRI.

3 Timber Supply Forecasts & Sensitivity Analyses

3.1 Model

The forest estate model FPS-ATLAS (http://sfmtutorials.forestry.ubc.ca/fps-atlas/) will be used to complete the timber supply analysis for TFL 59. FPS-ATLAS is a public model that has been used to conduct timber supply analysis in the province for 3 decades.

FPS-ATLAS is a spatially explicit forest-level harvest simulation model. The model schedules harvests according to a range of spatial and temporal objectives in the form of targets and constraints, including: opening size, riparian buffers, seral stage distributions and patch size distributions. Silviculture systems, rotation ages, and stand growth and yield are assigned to each polygon for the entire planning horizon.

At each user defined time interval, polygons are ranked according to a cutting priority (e.g. oldest first), and then harvested from this queue subject to their defined constraints and targets. The model continues to harvest polygons within the queue until either a constraint becomes binding, the queue is exhausted, or the periodic harvest target is met.

The model accommodates seral distribution, green-up, and maximum disturbance targets. Minimum harvest criteria are applied as minimum age constraints.

3.2 Base Case

The base case analysis will reflect current management objectives and performance on TFL 59 including:

- Spatial Riparian Reserve and Management Zones
- Spatial non-legal Old Growth Management Areas
- Spatial enhanced riparian reserves
- Spatial Wildlife Habitat Area reserves
- Spatial Ungulate Winter Range no-harvest reserves
- Spatial Williamson's sapsucker nest site no-harvest buffers
- Spatial reserves for cultural heritage sites and research installations
- Spatial road and trail network
- Spatial potentially unstable slope exclusion
- Wildlife Tree Patch retention
- Retention for Visual Quality Objectives
- Adjusted site index values for managed stands based on the provincial site productivity dataset
- Seral retention for Big Horn Sheep
- Stand retention for elk, deer and Williamson's sapsucker
- Green-up / adjacency retention
- Minimum harvest volume criteria

3.3 Alternative Harvest Flows

The shape of the harvest flow for the base case is generally guided by provincial policy to balance current and future harvest rates. Harvest flow objectives will be to maximize long term timber supply, maintain or increase short term timber supply, while maintaining established non-timber resource values. Toward these general objectives, harvest flow will conform to the following guidelines:

- the transition from short to medium and long-term harvest levels will avoid any large or abrupt disruptions in timber supply (generally increases and decreases in steps of 10% per period),
- potential drops in timber supply will avoid deep mid-term harvest reductions, and
- achieve the highest harvest level while maintaining a stable (flat line) growing stock.

Weyerhaeuser will explore alternative harvest flow options and present the recommended option as the base case.

3.4 Sensitivity Analyses

Sensitivity analysis will help illustrate the timber supply implications of alternative management scenarios, and quantify the uncertainty around the assumptions and data used to create the base case. The following sensitivity analyses will be conducted as part the of TFL 59 timber supply analysis.

- Increase / decrease THLB area (+/- 5%)
- Statistically adjusted natural stand yields
- Increase / decrease managed stand yields (+/- 5%)
- Increase / decrease minimum harvest volume (+/- 25m^3/ha)
- Increase Williamson's sapsucker habitat area by including the currently WHAs for this species
- Remove retention requirements for Williamson's sapsucker Low and Moderate habitat for stands with greater than 70% Lodgepole Pine

4 Land Base Definition

The land base definition begins with the total land area within the TFL boundaries, then applies the various legal, regulatory and operational classifications necessary to determine the Crown Forest Land Base (CFLB – the productive forest land area administered by the Crown), and the Timber Harvesting Land Base (THLB – the net land base that is capable and available to contribute toward timber resource management objectives).

Land base constraints often overlap on the same area. Although it is important to know the entire area within each constraint, it is also important to account appropriately for these overlaps when determining the net area available for forest management activities (the THLB).

Table 3 reports the total area within each land base classification (ignoring overlaps), as well as the net area within each classification (the area to be excluded from the THLB net of other exclusions). The classifications are listed in the order in which they were applied, and each classification is described in more detail in the sections following.

4.1 Timber Harvesting Land Base Determination

The total area within the boundaries of TFL 59 is 46,458 ha, including land and water. Reductions for non-crown, non-forest, non-productive, roads and utilities totals 3,479 ha and results in a CFLB of 42,980 ha. This area includes Schedule-A private lands owned by Weyerhaeuser (Lot 1690).

Reductions for non-timber resources (7,766 ha) result in a current THLB of 35,214 ha. Additional reductions for future transportation infrastructure reduces the THLB an additional 400 ha, making the expected future THLB 34,814 ha.

Table 3. Timber Harvesting Land Base Determination

	Schedule B Lands		Schedule A Lands		Combined		Combined Percentage	
	Total Area (ha)	**Net Area (ha)**	**Total Area (ha)**	**Net Area (ha)**	**Total Area (ha)**	**Net Area (ha)**	**Percent of Total Area (%)**	**Percent of CFLB (%)**
TOTAL AREA	46,402.2	46,402.2	56.1	56.1	46,458.3	46,458.3	100.0	
Utilities	200.0	200.0	0.0	0.0	200.0	200.0	0.4	
Non-Forest/Non-Productive Forest	2,841.8	2,672.1	2.8	2.8	2,844.6	2,674.9	5.8	
Existing Roads and Trails	648.5	602.7	1.2	1.1	649.7	603.8	1.3	
PRODUCTIVE CROWN FOREST LANDBASE		**42,927.4**		**52.2**		**42,979.6**	92.5	100.0
Low Productivity Forest	1,132.9	529.5	0.0	0.0	1,132.9	529.5	1.1	1.2
Problem Forest Types	283.8	183.8	0.0	0.0	283.8	183.8	0.4	0.4
Marginally Dry Sites	2,536.5	1,771.7	0.0	0.0	2,536.5	1,771.7	3.8	4.1
Terrain Class V and U	933.7	512.7	0.0	0.0	933.7	512.7	1.1	1.2
Riparian Reserve Zones	876.1	482.9	4.7	3.9	880.8	486.8	1.0	1.1
Enhanced Riparian Reserve	330.1	270.9	0.0	0.0	330.1	270.9	0.6	0.6
Wildlife Habitat Area	623.3	427.6	0.0	0.0	623.3	427.6	0.9	1.0
Williamson's Sapsucker Nest Site	25.9	21.1	0.0	0.0	25.9	21.1	0.0	0.0
Old Growth Management Areas	2,128.1	1,622.1	0.0	0.0	2,128.1	1,622.1	3.5	3.8
Research Installations	1.8	1.3	0.0	0.0	1.8	1.3	0.0	0.0
Archaeological Sites	0.4	0.3	0.0	0.0	0.4	0.3	0.0	0.0
Riparian Management Zones		294.0		0.0		294.0	0.6	0.7
Wildlife Tree Patches		1,472.4		1.9		1,474.3	3.2	3.4
Existing Landings and Structures		169.5		1.9		171.4	0.4	0.4
CURRENT TIMBER HARVEST LANDBASE		**35,167.7**		**46.4**		**35,214.1**	**75.8**	**81.9**
Future Roads and Landings		399.7		0.7		400.4	0.9	0.9
FUTURE TIMBER HARVEST LANDBASE		**34,768.0**		**45.7**		**34,813.6**	**74.9**	**81.0**

4.1.1 Total Area

The total area encompassed within TFL 59 is 46,458 hectares. This includes the 56 ha within Lot 1690 Schedule A land owned by Weyerhaeuser.

The total area reported here is 90 ha larger than reported in MP#9. This difference is attributed to changes in the mapped location of the height of land used to define the TFL boundary.

4.1.2 Parks and Protected Areas

Vaseux Protected Area is located adjacent to TFL 59.

The Okanagan Shuswap LRMP identified a number of proposed Protected Areas categorized as Goal 1 or Goal 2 areas.

Goal 1 areas are viable, representative examples of the natural diversity in the province, representative of the major terrestrial, marine and freshwater ecosystems, the characteristic habitats, hydrology and landforms, and the characteristic backcountry recreational and cultural heritage values of each ecosection.

Goal 2 areas are represent special natural, cultural heritage and recreational features of the province, including rare and endangered species and critical habitats, outstanding or unique botanical, zoological, geological and paleontological features, outstanding or fragile cultural heritage features, and outstanding outdoor recreational features such as trails.

The TFL overlaps partially the Shutteworth Creek Goal 1 area and the Anarchist Goal 2 area. Combined, these two areas only affect 5 hectares of THLB and have not been reflected in the area netdown.

4.1.2 Utilities

Table 4 reports the area within statutory easements. This includes 200 ha of hydro and gas right-of-way's crossing the TFL. This entire area has been removed from the CFLB.

Table 4. Area Occupied by Utililties

Utility Type	Total Area (ha)
Electrical Power Line	177.2
Gas and Oil Line	22.6
Miscellaneous	0.2
Total	**200.0**

4.1.3 Non-Forest / Non-Commercial Forest

Table 5 reports the areas within the TFL classified as non-forest. These areas are captured in the VRI dataset and include various types of non-forest, non-productive or non-commercial cover including: water, snow, ice, rock, alpine, wetlands, as well as un-typed areas. All non-forest areas have been removed from the CFLB. The total area within the non-forest classification is 2,845 ha, and the net reduction is 2,675 ha.

Table 5. Non-Forest Area

Non-Forest Type	Total Area (ha)
Alpine	6.6
Non-Productive	1,557.2
Non-Productive Brush	60.1
Non-Treed	563.3
Rock	33.2
Un-typed	104.7
Water	69.1
Wetland / Swamp	450.4
Total	**2,844.6**

4.1.4 Current Roads, Trails, and Landings

4.1.4.1 Current Roads and Trails

Weyerhaeuser maintains a comprehensive dataset of roads and trails located within TFL 59. This includes linear features within a spatial dataset, as well as an accompanying database file with a number of road features including road class, deactivation status and measured road width.

The area occupied by roads and trails was calculated by creating road polygons around the linear features within the GIS dataset. Permanently deactivated roads were excluded from this process. The road width used to build these polygons was calculated from the length-weighted measured road widths for each class within the road dataset. Table 6 reports the length of road, the calculated road width, and the area of each road class TFL 59.

Table 6. Total Road Length, Width and Area by Road Class

Road Class	Total Class Length (km)	Weighted Class Width (m)	Area (ha)
Paved	13.9	16	22.2
Main	58.3	16	93.3
Branch	282.0	9	253.8
Spur	111.4	8	89.1
Trail	388.5	5	191.3
Total	**854.1**		**649.7**

There are currently 650 ha of roads on the TFL and the net reduction for existing roads is 603.1 ha. The 650 ha total area classified as road is 122 ha less than the 775 ha reported in MP#9. Road status is dynamic with ongoing construction and deactivation, and the net reduction in active road area reflects Weyerhaeuser's rehabilitation of non-permanent road infrastructure.

4.1.4.2 Current Landings

Prior to 1996, harvest-landings and other in-block site disturbances were not rehabilitated, and portions of these sites have not regenerated and represent a loss of productive land within the TFL. In 1996 there was 361 ha (0.8% of the productive land base) of non-rehabilitated landings sites, and additionally, not all landings were mapped. Weyerhaeuser estimates that an additional 1% of the productive land base remains occupied by unmapped landing and other permanent structures created prior to 1996. Based on this information, a 1.8% or 125.2 ha area reduction was applied to the productive land base to account for landings built prior to 1996.

Data from post-code Site Plans (SPs) indicate that 4.2% of harvest units are occupied by landings and in-block disturbances, with 50% of these disturbances being classified as permanently non-productive. In 2006 yarding practices changed from yard-to-landing to yard-to-roadside which has reduced the number of landings and in-block trails required. An analysis of 45 cutblocks harvested between 2011 and 2016 indicated that the area occupied by permanent structures, landings and in-block trails is less than 3%.

In 1996 Weyerhaeuser implemented a program to rehabilitate 100% of all landings and in-block disturbance within the TFL. A rehabilitated site may not be completely treated and it may also not achieve full productivity. An analysis of a similar rehabilitation program on Weyerhaeuser's TFL 35 indicates that 90% of disturbed sites are restored, meaning they have achieved 60% of the original productivity.

Combining these factors results in a net reduction of 1.38%, or 44.3 ha, due to landings built since 1996 (3% landing area x 10% unrestored area + 3% landing area x 90% restored area x 40% loss in productivity).

To complete the net-down table an area equivalent to 1.8% reduction was applied to stands within the THLB and harvested prior to 1996. Similarly, an area equivalent reduction of 1.38% was applied to stands within the THLB and harvested since 1996. Collectively, these reductions represent a 169.5 ha reduction to the THLB.

The area reduction applied to the net-down table is non-spatial. In the modelling environment a 1.8% stand level area reduction will be applied to Era 1 (natural regeneration) and Era 2 (managed regeneration) stands, and a 1.38% area reduction to Era 3 (managed-genetic regeneration stands). Table 7 reports the area in permanent landings and structures within the TFL.

Table 7. Total Area of Existing Landings and Permanent Structures

Landings and Structures	Total Area (ha)
Landings (pre-1996)	99.7
Landings (1996 - Current)	71.7
Total	**171.4**

4.1.5 Future Roads, Trails, and Landings

The transportation infrastructure on TFL 59 is well established, and future roads will be in either the operational or trail class. Development projections completed by Weyerhaeuser indicate that the additional area required for future harvesting activities will be 50% of the area of existing permanent structures. Since the historic level of non-productive losses for permanent structures is 3%, the future reduction will be 1.5% of the productive forest land base for the portion of the THLB without a harvest history. This represent a future loss of 400.4 ha.

With the extensive use of roadside harvesting techniques harvest landing are no longer being created, thus only a 1.5% reduction to Era 4 stands (future managed stands) for future roads will be applied.

4.1.6 Low Site Productivity

Low productivity sites are areas that are unsuitable for timber management due to their low growth potential. This analysis used both site index values within the VRI database, and the site series classification and site modifier criteria from the TEM database to identify low productivity sites as detailed below.

Stands with a VRI site index below species specific thresholds were defined as low productivity sites. This approach resulted in 704 ha of low productivity sites as summarized in Table 8.

Table 8. Area of VRI Based Low Site Index

Species	Site Index Threshold	Area (ha)
Douglas-fir	8.5	20
Lodgepole pine	7.5	214.6
Yellow pine	7.0	146.5
Spruce	7.5	266.2
True fir	8.0	56.8
Total		**704.1**

Additional low productivity sites were defined using TEM based site series mapping. In the ESSFdc1, site series 02 and 06 were considered low site productivity. Additionally, areas identified in the TEM as having more than 50% rock were considered to have low site productivity. Based on these TEM based classifications there is an additional 429 ha of low productivity sites within the TFL. Table 9 provides the TEM classification criteria and area for low productivity sites.

Table 9. Area of TEM Based Low Site Index

BGC Classification	Area (ha)
ESSFdc1/02	3.7
ESSFdc1/06	45.2
Site modifier (RO) greater than 50% cover (5)	380.0
Total	**428.8**

Combined, there is a total of 1,133 ha with low site productivity, and the net reduction to the THLB was 530 ha.

4.1.7 Problem Forest Types

Problem forest types (PFT) are stands that are physically operable and exceed low site criteria, yet are not currently utilized or have marginal merchantability.

There is 284 ha of deciduous forest types within TFL 59. Stands were classified as deciduous based on their leading species in the VRI database. All deciduous leading stands were removed from the THLB.

Management Plan #9 identified a large area (2,848 ha) as PFTs due to poor height-to-age ratios. A review of these definitions indicates that they do not effectively reflect PFT operationally. Therefore, this analysis will address potential problem forest types through the low productivity definitions as described above, and additionally with minimum harvest threshold criteria to be described in Section 8.1.

4.1.8 Marginally Dry Sites

Two categories of marginally dry sites were identified using the TEM dataset. Site Code-A areas include grassland and exposed rock areas identified in the site series classification, these sites are considered non-productive. Site Code-D areas have shallow or very shallow soils, and are identified by the site modifier within the TEM dataset. These sites require single-tree or strip-shelterwood silviculture prescriptions which are not currently implemented on the TFL. Code-A and Code-D sites were removed from the THLB.

Table 10 reports the classification criteria and area for marginally dry sites. There is a total of 2,535 ha of marginally dry sites on the TFL, including the 927.9 ha of Code A sites and 1,607 ha of Code D sites. These marginally dry sites represent a 1,761 ha net reduction to the THLB.

Table 10. Marginally Dry Site Classification

Site Code	BCG Classification	Site Classification / Modifier	Area (ha)
A	IDFdm1/IDFxh1/PPxh1	*Rocky Sites* (site series: Rock, Barren, Blockfields, Cliff, Exposed Soil, Rural, Rubble, Talus) *Grasslands* (site series: 92, 93, 94, 91, 96)	929.6
D	IDFdm1/IDFxh1/PPxh1	*Shallow Soils* (site modifier: shallow soil or very shallow soil)	1,606.9
Total			**2,536.5**

4.1.9 Potentially Unstable Slopes

Terrain stability mapping has been completed for the entire land base of TFL 59. This mapping includes two levels of assessment: a reconnaissance level, as well as a detailed assessment. Both assessments include three classes: stable, potentially unstable, and unstable. Sites identified as having unstable slopes, at either the reconnaissance (slope code U) or detailed level (slope code V), were removed from the THLB.

There is a total of 934 ha of unstable slopes in TFL 59, including 683 ha identified through the reconnaissance assessment and 250 ha identified through the detailed assessment. The net reduction to the THLB is 513 ha.

4.1.10 Inoperable / Inaccessible

There are no inoperable or inaccessible areas within TFL 59. The TFL is in close proximity to the communities of Okanagan Falls and Osoyoos, main access throughout the TFL is essentially complete, and Weyerhaeuser considers all stands within the TFL to be physically accessible. Additionally, the entire TFL has been terrain mapped and areas where steep terrain pose environmental risk have been specifically identified and excluded from the THLB.

4.1.11 Riparian Management Areas

The classification of lakes, rivers, streams and wetlands was based on two data sources: the Provincial Freshwater Atlas (FWA) and the Weyerhaeuser stream classification inventory (WSC). Specifically, the classification of lakes, rivers and wetlands were classified based on the FWA, while the classification of streams was based on the WSC.

Weyerhaeuser maintains an ongoing stream classification inventory that contains information regarding fish presence and stream classification. The WSC encompasses the entire TFL but is most complete in areas with past or upcoming development activity, so in some areas an additional analysis was necessary to assign an estimated classification. The following procedures were followed in assigning the comprehensive stream classification.

Stream Classification Procedures

1. Check for a field-assigned stream section classification:
    a. If the section has been classified assign the classification
    b. If the class is S4 and fish presence is true assign a class of S4F
2. If a section does not have a field classification but other sections of the stream do have a classification:
    a. If there is just one type of field classification for all sections with the same name, assign that classification to all the unclassified sections of the stream with the same name
    b. If there is more than one type of field classification, assign the 'most restrictive' class to all unclassified portions
    c. If the stream has no classification and the name is Vaseux Creek, assign a class of S2
3. Where no section of a stream has a classification, check for fish presence:
    a. If fish presence is true, assign a class of S4F
    b. If fish presence is false, or empty, assign a class of S6.

Lakes and Wetlands

Based on the FWA there are no rivers within TFL 59. Lakes and wetlands were classified based on their area using a simplified version of procedures provided in the *Riparian Management Area Guidebook*. Riparian Reserve Zones (RRZ) were then assigned and created spatially through a GIS buffering process. Table 11 reports the procedures for the classification of lakes and wetlands.

Table 11. Procedures for the Classification of Lakes and Wetlands

Water Feature	Size Criteria	Reserve Zone (RRZ) (meters)	Management Zone (RMZ) (meters)	RMZ % Basal Area Retention
Large Lake (L1)	>=5 ha	15	0	n/a
Medium Lake (L2)	>= 1 ha and <5 ha	10	20	100
Small Lake (L4)	<1 ha	0	30	100
Large Wetland (W1)	>=5 ha	10	40	30
Medium Wetland (W3)	>=1-5 ha	0	30	20
Small Wetland (W4)	< 1 ha	0	30	100
Stream (S2 fish)	>= 5 m and <=20 m	30	20	50
Stream (S3 fish)	>= 1.5 m and <5 m	20	20	50
Stream (S4 fish)	< 1.5 m	0	30	30
Stream (S4 non- fish)	< 1.5 m	0	30	0
Stream (S5 non-fish)	> 3 m	10	20	50
Stream (S6 non-fish)	>= 1.5 m and <3 m	0	20	50
Stream (S6 non-fish)	<1.5 m	0	20	0

The Reserve Zone buffer widths extend from each side of the water feature edge.

Riparian Reserve Zones (RRZ) are removed from the THLB. There is a total of 881 ha of RRZs with a net reduction to the THLB of 487 ha. The total area within Riparian Management Zones (RMZ) is 2,606 ha. RMZ areas are assigned proportional reductions as described in Table 11, and the net THLB reduction due to RMZs is 294 ha.

Within the TFL non-fish streams larger than 1.5 m are managed with 50% retention with the RMZ area. The stream classification inventory does not distinguish 'large S6' streams and there is no empirical data regarding the relative proportion of streams between 1.5 m and 3.0 m. Weyerhaeuser staff estimates that a small proportion, approximately 5%, of S6 streams are larger than 1.5 m. This estimate is used to determine the reduction applied in the land base reduction.

To account for stand retention within the RMA of large S6 streams a 36 ha area reduction (1,414 ha X 5% X 50%) was applied in the netdown table. In the FPS-ATLAS model a 0.1% stand level (35 ha / 37,170 ha) retention constraint will be applied to each harvest unit in the model. Table 12 provides total area by water feature and Riparian Management Area class. The Net RMZ Area is the area not already been removed from the THLB for other reasons to which the proportional reduction percentages are applied.

Table 12. Area in Riparian Management Classes

Water Feature	RRZ Area (ha)	RMZ Area (ha)	Net RMZ Area (ha)	Net RMZ Area Retention (ha)
Large Lake (L1)	18.0	0.0	0.0	0.0
Medium Lake (L2)	23.9	6.5	3.1	3.1
Small Lake (L4)	0.0	93.8	60.5	60.5
Large Wetland (W1)	115.0	68.2	41.3	12.4
Medium Wetland (W3)	132.2	32.8	21.1	4.2
Small Wetland (W4)	110.2	182.8	138.3	138.3
Stream (S2)	267.9	0.0	0.0	0.0
Stream (S3)	213.5	0.0	0.0	0.0
Stream (S4 fish)	0.0	387.0	164.6	66.7
Stream (S4 non fish)	0.0	0.4	0.1	0.0
Stream (S5)	0.0	13.2	9.6	4.8
Stream (S6)	0.0	1820.8	1,414.3	36.0
Total	**880.8**	**2,605.5**	**1,910.8**	**325.7**

4.1.12 Enhanced Riparian Reserves

The Okanagan-Shuswap Land and Resource Management Plan (OSLRMP) established an Enhanced Riparian Reserve that allocates 10,000 ha from within the THLB of the OSLRMP area towards enhanced riparian reserves. The proportion of this allocation that is assigned to TFL 59 (330 ha) has been spatially delineated, which results in a net THLB reduction of 271 ha.

4.1.13 Ungulate Winter Range

Mule Deer

Management direction for mule deer winter range (MDWR) is provided in Government Actions Regulations (GAR - B.C. Reg. 582/2004) which delineates Ungulate Winter Range #U-8-001, including MDWR planning cells and Snow Interception Cover (SIC) retention area requirements for each cell, no hectares have been removed from the THLB.

Moose

Government Actions Regulations (GAR) have set out a number of GWMs specific to timber harvesting and silviculture for Unit #U-8-006. These requirements will be modelled through minimum mature forest cover requirements, no hectares have been removed from the THLB.

Mountain Goat

Government Actions Regulations (GAR) have set out a number of GWMs specific to timber harvesting and silviculture for Unit #U-8-005. These requirements will be modelled through maximum forest cover disturbance requirements, no hectares have been removed from the THLB.

Elk

The OSLRMP provides specific management objectives for elk travel corridors and congregation areas. There are no travel corridors with TFL 59, although there are 113 ha within elk congregation areas. Elk congregation areas are managed through SIC retention criteria. Operationally SIC retention areas will be located to coincide with other forest reserves, based on this no hectares have been removed from the THLB.

4.1.14 Wildlife Habitat Area

Identified wildlife species are species at risk or regionally important species that require special management consideration. Identified species are managed through the establishment of WHAs and the implementation of general wildlife measures (GWMs) and WHA objectives, or through other management practices specified in strategic or landscape level plans.

Within TFL 59 there are 15 established WHAs totalling 668 ha. Thirteen of the WHAs encompassing a total area of 623 ha have been designated as no harvest zones. These areas have been removed from the THLB resulting in a net THLB reduction of 428 ha. This reduction exceeds the maximum impact area (240 ha) negotiated during the establishment of the OSLRMP.

Most WHAs within the TFL are for the management of Williamson's Sapsucker habitat. However a portion is for the management of an undisclosed species which is not reported to help ensure its protection. Table 13 reports the wildlife species and total WHA area within TFL 59.

Table 13. Area with No Harvest Wildlife Habitat Areas

Wildlife Habitat Area Species	Area (ha)
Williamson's Sapsucker	363.8
Data sensitive	259.5
Total	**623.3**

4.1.15 Williamson's Sapsucker Nest Sites

Best Management Practices guidelines for Williamson's Sapsucker prescribe no harvest buffers around known nest sites. There are 56 known nest sites located within TFL 59, many of these sites (22) are within an existing WHA. Nest site not within an established WHA were assigned a 50 m GIS buffer (0.78 ha) resulting in a total reserved area of 26 ha, and a net THLB reduction of 21 ha.

4.1.16 Old Growth Management Area

Although Old Growth Management Areas (OGMA) have not been legally established for the Okanagan TSA, Weyerhaeuser has incorporated the latest non-legal OMGA spatial areas into their current management activities.

There are 2,128 ha of OGMAs within the TFL. These areas have been removed from the THLB, resulting in a net THLB reduction of 1,622 ha.

4.1.17 Research Installations

There are three active research installations examining wood waste use for rehabilitation of roads and landings. These sites total 2 ha and have been removed from the THLB.

4.1.18 Cultural Heritage Sites

Weyerhaeuser maintains an unpublished spatial record of cultural heritage resource sites located within TFL 59. These sites, totalling 0.4 ha, have been removed from the THLB.

While this is the extent of the known cultural heritage resources within TFL 59, Weyerhaeuser is committed to the identification and protection of other cultural heritage resource sites and First Nation values. A comprehensive program for sharing proposed development with local Bands is done annually.

A number of Bands review proposed development to determine what cultural values may be present. Office reviews are followed with Preliminary Field Reconnaissance's by trained First Nations crews. Depending on the findings of this field work, management measures are incorporated into site level plans directing operational forestry activities including, but not limited to harvesting, road construction, and site preparation. Management may include the protection of the site or value by reserving the area from harvest.

Reserved areas will be incorporated into future Information Packages and Management Plans for TFL 59.

4.1.19 Wildlife Tree Patches

A recent analysis to determine the level of Wildlife Tree Patch (WTP) retention required to meet the stand level biodiversity objectives has been completed for the TFL. The analysis reviewed historic WTP retention levels on the TFL and found that since 1996 the WTP retention has averaged 7%, with 4% of WTPs located within the THLB. Based on this analysis the base case applied a 4% WTP stand level retention rule in the FPS model.

To complete the netdown table, this WTP was applied as a 4% partial land base area reduction, equivalent to 1,474 ha. In the FPS-ATLAS model this reduction will be applied as a 4.0% stand level retention constraint applied to each harvest unit in the model.

5 Analysis Units

To reduce complexity of the timber supply analysis, individual stands have been aggregated into broader analysis units (AU) based on their silviculture history, species composition and site index value. These analysis units are the basis for the development of yield curves.

Stands were aggregated based on leading species, site index class and stand history (era). An inventory growth type code was assigned based on leading and secondary species. Similarly, a site index class was assigned using site index values from the VRI for naturally regenerated stands and the managed stand site index for managed stands. A stand history code was also assigned based on the silvicultural era of the stand. Table 14 provides a summary of the criteria used to assign analysis unit codes.

Table 14. Analysis Unit Definitions

Analysis Unit Number	Analysis Unit Name	Species Composition	Site Class	Age Range	Area (ha)
1101	Mat_IGT-A_High	Fd/Fd(Any)/FdSw/FdPy	High (>=18.6)	61+	17.9
1102	Mat_IGT-A_Med	Fd/Fd(Any)/FdSw/FdPy	Med (14.6-18.5)	61+	299.5
1103	Mat_IGT-A_Low	Fd/Fd(Any)/FdSw/FdPy	Low (<14.6)	61+	245.3
1201	Mat_IGT-C_High	Py/PyAny/FdPy/FdPl	High (>=15.6)	61+	770.0
1202	Mat_IGT-C_Med	Py/PyAny/FdPy/FdPl	Med (12.1-15.5)	61+	1,366.8
1203	Mat_IGT-C_Low	Py/PyAny/FdPy/FdPl	Low (7.0-12.0)	61+	363.3
1204	Mat_IGT-C_Poor	Py/PyAny/FdPy/FdPl	Poor (<7.0)	61+	6.1
1301	Mat_IGT-D_High	Lw/LwAny/FdLw	High (>=18.1)	61+	677.1
1302	Mat_IGT-D_Med	Lw/LwAny/FdLw	Med (13.1-18.0)	61+	3,781.6
1303	Mat_IGT-D_Low	Lw/LwAny/FdLw	Low (8.0-13.0)	61+	983.4
1304	Mat_IGT-D_Poor	Lw/LwAny/FdLw	Poor (<8.0)	61+	1.8
1401	Mat_IGT-H_High	Bl/BlAny	High (>=13.1)	61+	63.4
1402	Mat_IGT-H_Med	Bl/BlAny	Med (8.0-13.0)	61+	290.6
1403	Mat_IGT-H_Low	Bl/BlAny	Low (<8.0)	61+	51.0
1501	Mat_IGT-I_High	Sw/Sw(Any)	High (>=12.6)	61+	35.6
1502	Mat_IGT-I_Med	Sw/Sw(Any)	Med (7.5-12.5)	61+	5.4
1511	Mat_IGT-J_High	SwBl/SwFd	High (>=12.6)	61+	487.4
1512	Mat_IGT-J_Med	SwBl/SwFd	Med (7.5-12.5)	61+	500.2
1513	Mat_IGT-J_Low	SwBl/SwFd	Low (<7.5)	61+	11.1
1521	Mat_IGT-K_High	SwPl/SwDec	High (>=17.1)	61+	99.9
1522	Mat_IGT-K_Med	SwPl/SwDec	Med (12.6-17.0)	61+	220.2
1523	Mat_IGT-K_Low	SwPl/SwDec	Low (7.9-12.5)	61+	371.7
1524	Mat_IGT-K_Poor	SwPl/SwDec	Poor (<7.9)	61+	17.2
1611	Mat_IGT-M_High	PlSw/PlBl	High (>=18.1)	61+	369.3
1612	Mat_IGT-M_Med	PlSw/PlBl	Med (13.6-18.0)	61+	4,763.8
1613	Mat_IGT-M_Low	PlSw/PlBl	Low (7.5-13.5)	61+	7,500.4
1614	Mat_IGT-M_Poor	PlSw/PlBl	Poor (<7.5)	61+	167.3
1621	Mat_IGT-N_High	PlDec	High (>=13.6)	61+	219.1
1622	Mat_IGT-N_Med	PlDec	Med (9.4-13.5)	61+	224.6
1623	Mat_IGT-N_Low	PlDec	Low (<9.4)	61+	6.7
2101	Nat_IGT-A_High	Fd/Fd(Any)/FdSw/FdPy	High (>=18.6)	41 - 61	1.9
2102	Nat_IGT-A_Med	Fd/Fd(Any)/FdSw/FdPy	Med (14.6-18.5)	41 - 61	13.9
2103	Nat_IGT-A_Low	Fd/Fd(Any)/FdSw/FdPy	Low (<14.6)	41 - 61	4.3
2201	Nat_IGT-C_High	Py/PyAny/FdPy/FdPl	High (>=15.6)	41 - 61	240.5
2202	Nat_IGT-C_Med	Py/PyAny/FdPy/FdPl	Med (12.1-15.5)	41 - 61	26.8
2301	Nat_IGT-D_High	Lw/LwAny/FdLw	High (>=18.1)	41 - 61	300.3
2302	Nat_IGT-D_Med	Lw/LwAny/FdLw	Med (13.1-18.0)	41 - 61	427.9

Analysis Unit Number	Analysis Unit Name	Species Composition	Site Class	Age Range	Area (ha)
2303	Nat_IGT-D_Low	Lw/LwAny/FdLw	Low (8.0-13.0)	41 - 61	5.6
2401	Nat_IGT-H_High	Bl/BlAny	High (>=13.1)	41 - 61	54.5
2402	Nat_IGT-H_Med	Bl/BlAny	Med (8.0-13.0)	41 - 61	3.1
2501	Nat_IGT-I_High	Sw/Sw(Any)	High (>=12.6)	41 - 61	0.3
2511	Nat_IGT-J_High	SwBl/SwFd	High (>=12.6)	41 - 61	2.9
2521	Nat_IGT-K_High	SwPl/SwDec	High (>=17.1)	41 - 61	23.0
2522	Nat_IGT-K_Med	SwPl/SwDec	Med (12.6-17.0)	41 - 61	1.8
2611	Nat_IGT-M_High	Pl/Pl(Any)/PlSw/PlBl	High (>=18.1)	41 - 61	184.0
2612	Nat_IGT-M_Med	Pl/Pl(Any)/PlSw/PlBl	Med (13.6-18.0)	41 - 61	274.7
2613	Nat_IGT-M_Low	Pl/Pl(Any)/PlSw/PlBl	Low (7.5-13.5)	41 - 61	9.7
2621	Nat_IGT-N_High	PlDec	High (>=13.6)	41 - 61	6.1
3101	Man_IGT-A_High	Fd/Fd(Any)/FdSw/FdPy	High (>=18.6)	21 - 41	10.1
3102	Man_IGT-A_Med	Fd/Fd(Any)/FdSw/FdPy	Med (14.6-18.5)	21 - 41	20.3
3201	Man_IGT-C_High	Py/PyAny/FdPy/FdPl	High (>=15.6)	21 - 41	137.7
3202	Man_IGT-C_Med	Py/PyAny/FdPy/FdPl	Med (12.1-15.5)	21 - 41	51.7
3301	Man_IGT-D_High	LwAny/FdLw	High (>=18.1)	21 - 41	339.0
3302	Man_IGT-D_Med	LwAny/FdLw	Med (13.1-18.0)	21 - 41	410.3
3401	Man_IGT-H_High	Bl/BlAny	High (>=13.1)	21 - 41	139.8
3501	Man_IGT-I_High	Sw/Sw(Any)	High (>=12.6)	21 - 41	12.0
3511	Man_IGT-J_High	SwBl/SwFd	High (>=12.6)	21 - 41	42.8
3521	Man_IGT-K_High	SwPl/SwDec	High (>=17.1)	21 - 41	89.5
3522	Man_IGT-K_Med	SwPl/SwDec	Med (12.6-17.0)	21 - 41	2.9
3523	Man_IGT-K_Low	SwPl/SwDec	Low (7.9-12.5)	21 - 41	6.8
3611	Man_IGT-M_High	Pl/Pl(Any)/PlSw/PlBl	High (>=18.1)	21 - 41	3,379.7
3612	Man_IGT-M_Med	Pl/Pl(Any)/PlSw/PlBl	Med (13.6-18.0)	21 - 41	1,154.0
3613	Man_IGT-M_Low	Pl/Pl(Any)/PlSw/PlBl	Low (7.5-13.5)	21 - 41	25.2
3621	Man_IGT-N_High	PlDec	High (>=13.6)	21 - 41	345.0
3622	Man_IGT-N_Med	PlDec	Med (9.4-13.5)	21 - 41	1.5
4101	Gen_IGT-A_High	Fd/Fd(Any)/FdSw/FdPy	High (>=18.6)	<41	320.0
4102	Gen_IGT-A_Med	Fd/Fd(Any)/FdSw/FdPy	Med (14.6-18.5)	<41	488.9
4103	Gen_IGT-A_Low	Fd/Fd(Any)/FdSw/FdPy	Low (<14.6)	<41	25.0
4201	Gen_IGT-C_High	Py/PyAny/FdPy/FdPl	High (>=15.6)	<41	843.5
4202	Gen_IGT-C_Med	Py/PyAny/FdPy/FdPl	Med (12.1-15.5)	<41	161.5
4203	Gen_IGT-C_Low	Py/PyAny/FdPy/FdPl	Low (7.0-12.0)	<41	60.0
4301	Gen_IGT-D_High	Lw/LwAny/FdLw	High (>=18.1)	<41	429.5
4302	Gen_IGT-D_Med	Lw/LwAny/FdLw	Med (13.1-18.0)	<41	454.3
4303	Gen_IGT-D_Low	Lw/LwAny/FdLw	Low (8.0-13.0)	<41	2.8
4401	Gen_IGT-H_High	Bl/BlAny	High (>=13.1)	<41	277.4
4402	Gen_IGT-H_Med	Bl/BlAny	Med (8.0-13.0)	<41	12.1
4501	Gen_IGT-I_High	Sw/Sw(Any)	High (>=12.6)	<41	2,242.7
4502	Gen_IGT-I_Med	Sw/Sw(Any)	Med (7.5-12.5)	<41	62.3
4511	Gen_IGT-J_High	SwBl/SwFd	High (>=12.6)	<41	15.6
4512	Gen_IGT-J_Med	SwBl/SwFd	Med (7.5-12.5)	<41	3.9
4521	Gen_IGT-K_High	SwPl/SwDec	High (>=17.1)	<41	58.8
4522	Gen_IGT-K_Med	SwPl/SwDec	Med (12.6-17.0)	<41	12.4
4523	Gen_IGT-K_Low	SwPl/SwDec	Low (7.9-12.5)	<41	26.8
4611	Gen_IGT-M_High	Pl/Pl(Any)/PlSw/PlBl	High (>=18.1)	<41	3,741.8
4612	Gen_IGT-M_Med	Pl/Pl(Any)/PlSw/PlBl	Med (13.6-18.0)	<41	1,377.1
4613	Gen_IGT-M_Low	Pl/Pl(Any)/PlSw/PlBl	Low (7.5-13.5)	<41	29.3
4621	Gen_IGT-N_High	PlDec	High (>=13.6)	<41	438.6

() – indicates a minor component (20% or less)

6 Growth and Yield

6.1 Site Index

Site index (SI) values for mature and naturally regenerated immature stands are based on the unadjusted VRI site index values, while the site index values for existing managed and future stands are based on the Provincial site productivity layer (PSPL). The PSPL provides point estimates of site index based on a BGC site series classification. Point estimates for the TFL were aggregated into similar site productivity polygons using the Thiessen methodology available within the ArcGIS application. The site productivity polygons were then intersected with forest inventory polygons and an area-weighted average site index value was calculated for the leading species reported in the VRI. Table 15 reports the VRI site index and the adjusted site index used in the analysis for managed stands by analysis unit.

Table 15. VRI Site Index and Productivity Layer Site Index for Existing Managed Stands

Analysis Unit	PSPL SI	VRI SI
Man_IGT-A_High	20.1	16.2
Man_IGT-A_Med	17.6	11.0
Man_IGT-C_High	18.0	16.2
Man_IGT-C_Med	15.0	14.0
Man_IGT-D_High	20.6	14.9
Man_IGT-D_Med	17.1	14.8
Man_IGT-H_High	16.2	15.5
Man_IGT-I_High	20.1	20.1
Man_IGT-J_High	18.0	16.4
Man_IGT-K_High	18.4	18.0
Man_IGT-K_Med	15.7	15.0
Man_IGT-K_Low	12.0	12.0
Man_IGT-M_High	19.9	18.3
Man_IGT-M_Med	17.1	15.5
Man_IGT-M_Low	12.8	12.0
Man_IGT-N_High	19.7	18.4
Man_IGT-N_Med	13.0	11.0
Gen_IGT-A_High	20.4	9.8
Gen_IGT-A_Med	16.7	15.0
Gen_IGT-A_Low	13.1	10.0
Gen_IGT-C_High	18.8	11.7
Gen_IGT-C_Med	14.3	12.3
Gen_IGT-C_Low	11.8	9.1
Gen_IGT-D_High	20.5	18.0
Gen_IGT-D_Med	17.4	16.2
Gen_IGT-D_Low	10.7	10.7
Gen_IGT-H_High	17.5	16.0
Gen_IGT-H_Med	13.0	11.1
Gen_IGT-I_High	17.2	14.7
Gen_IGT-I_Med	10.7	10.7
Gen_IGT-J_High	18.6	17.9
Gen_IGT-J_Med	10.3	10.3
Gen_IGT-K_High	18.2	18.2

Analysis Unit	PSPL SI	VRI SI
Gen_IGT-K_Med	16.0	14.7
Gen_IGT-K_Low	10.8	10.8
Gen_IGT-M_High	20.1	19.1
Gen_IGT-M_Med	17.1	15.4
Gen_IGT-M_Low	12.6	11.8
Gen_IGT-N_High	20.2	19.9

6.2 Utilization Level

Utilization specifications are established in the TFL 59 licence document and define the maximum stump height, minimum top diameter (inside bark) and minimum diameter at breast height for trees removed from harvested areas. Table 16 provides a summary of current utilization specifications. In the Variable Density Yield Projection (VDYP) Version 7 model the maximum stump height parameter is fixed at 30.0 cm. As a result VDYP yield projections do not account the volume between the 25.0 cm (utilization standard) and the 30.0 cm (model standard) stump heights. Based on this difference yield projections for existing mature pine, spruce and subalpine fir stands will be underestimated in the model by approximately 1%.

Table 16. Utilization Specifications Used in the Development of Yield Curves

Species	Minimum DBH (cm)	Minimum Top DIB (cm)	Maximum Stump Height (cm)	Minimum Length (m)
Lodgepole pine	12.5	10.0	25.0	3.0
Spruce and Subalpine Fir	17.5	10.0	25.0	3.0
All other species	17.5	10.0	30.0	3.0

6.3 Yield Tables for Mature and Naturally Regenerated Immature Stands

Yield tables for all mature, naturally regenerated immature stands (Era 1), and all deciduous stands were built using the VDYP model. A spatially delineated subset of the provincial VDYP dataset, including a wide buffer outside of the TFL, was batch processed in the VDYP model. Yield curves were developed for ages 10 through 350 in 10 year increments for each forest cover polygon within the resultant dataset using VDYP. These individual polygon yield tables were then aggregated to generate an area-weighted average yield table for each analysis unit within the CFLB.

Parameters used in the VDYP input file are included in Appendix 1. The VDYP parameters file and output file information will be also provided to the MFLNRO Timber Supply Forester in a DOS electronic format.

6.3.1 Decay, Waste and Breakage for Mature Stands

Standard Ministry of Forests' Forest Inventory Zone (FIZ) "D" loss factors were applied in the development of the unmanaged stand yield tables.

6.3.2 Yield Adjustment for VDYP

Mature stand yields were adjusted to exclude deciduous species' volumes and to apply a 1% upward adjustment to true fir and spruce volumes to account for the stump height utilization. Appendix 2 provides a summary of the VDYP output for mature stands at each age increment. It also includes the adjustment factor, adjustment reason and adjusted volume for mature stands.

6.4 Yield Tables for Managed Stands

Yield tables for managed stands were built using the batch Table Interpolation for Stand Yields (TIPSY) version 4.2 model. Regenerated stands within the CFLB were aggregated by analysis unit to derive an area-weighted, adjusted site index and species composition. Species composition values were then adjusted to exclude deciduous species. These area-weighted, adjusted attributes were used as input variables in the TIPSY input file for each analysis unit.

Two sets of yield projections, natural regeneration and planted regeneration, were generated for managed stands. From these two sets of projections, a single set of area-weighted average projection was calculated based on the relative proportions of regeneration type (Table 17). Yields for stands regenerated in Era 2 were assigned a regeneration delay of 3 years, and Era 3 stands were assigned with a regeneration delay of 1 year.

Table 17. Regeneration method for managed stands

Species Composition	Site Class	Plant (%)	Natural (%)
Fd/Fd(Any)/FdSw/FdPy	High (>=18.6)	60	40
Fd/Fd(Any)/FdSw/FdPy	Med (14.6-18.5)	60	40
Fd/Fd(Any)/FdSw/FdPy	Low (<14.6)	60	40
Py/Py(Any)/FdPy/FdPl	High (>=15.6)	100	0
Py/Py(Any)/FdPy/FdPl	Med (12.1-15.5)	100	0
Py/Py(Any)/FdPy/FdPl	Low (7.0-12.0)	100	0
Lw(Any)/FdLw	High (>=18.1)	60	40
Lw(Any)/FdLw	Med (13.1-18.0)	60	40
Lw/Lw(Any)/FdLw	Low (8.0-13.0)	60	40
Bl/Bl(Any)	High (>=13.1)	70	30
Bl/Bl(Any)	Med (8.0-13.0)	70	30
Sw/Sw(Any)	High (>=12.6)	70	30
Sw/Sw(Any)	Med (7.5-12.5)	70	30
SwBl/SwFd	High (>=12.6)	70	30
SwBl/SwFd	Med (7.5-12.5)	70	30
SwPl/SwDec	High (>=17.1)	70	30
SwPl/SwDec	Med (12.6-17.0)	70	30
SwPl/SwDec	Low (7.9-12.5)	70	30
Pl/Pl(Any)/PlSw/PlBl	High (>=18.1)	60	40
Pl/Pl(Any)/PlSw/PlBl	Med (13.6-18.0)	60	40
Pl/Pl(Any)/PlSw/PlBl	Low (7.5-13.5)	60	40
PlDec	High (>=13.6)	60	40
PlDec	Med (9.4-13.5)	60	40
PlDec	Low (7.5-9.3)	60	40

() indicates a minor component.

6.4.1 TIPSY Modelling Procedures

The following procedures were used to develop the TIPSY curves for each managed AU.

1. Forest management activities and predominant regeneration strategies were reviewed.
2. Site index values for managed stands were assigned based on the procedures described in Section 6.1.1 above.
3. Analysis units were assigned to each polygon based on the Inventory Growth Type, managed stand SI and management era.
4. Two sets of yield projections, natural regeneration and planted regeneration, were generated for each AU.
5. The two sets of projections (natural and planted) were averaged based on the relative proportions of regeneration type.

The TIPSY input file is provided in Appendix 4.

6.4.1 Operational Adjustment Factors

Operational adjustment factors (OAF) are reductions applied to growth and yield model projections for regenerated stands to better reflect operational yields. OAF 1 reductions are applied uniformly throughout the entire projection to account for uncaptured potential site productivity (stocking levels). OAF 2 is an adjustment applied to regenerated stands to capture volume losses due to decay, waste and breakage.

Details regarding the values for OAF 1 and OAF 2 used in this analysis is provided below.

6.4.1.1 Operational Adjustment Factor 1

Specific OAF 1 values have been derived for the TFL. The factors considered in developing these values are described below.

Non - Productive / Non Stocked Productive Openings

The TFL has a high number of land base reductions for non-productive openings typed as part of the detailed VRI mapping, as well as low productivity sites identified through TEM mapping. Table 18 reports the count and area of non-productive openings in TFL 59.

Table 18. VRI Based Non-Productive Area Distribution

Size	Count	Area
Less than 1.0 ha	302	143.0
1.0 – 2.0 ha	217	275.0
Greater than 2.0 ha	327	2,500.8
Total	**846**	**2,918.8**

Using the TEM data, an additional 429 hectares was removed from the operable land base as low site index areas. This consists of TEM polygons with rock percentage greater than 60%, or site series

ESSFdc202 and ESSFdc206. The accumulated reductions to the THLB indicate a low non-productive OAF1 is appropriate, which is supported by Silviculture Prescription data post-1996 that shows an additional 2.5% mapped as non-productive. Data was inconclusive pre-1996. Therefore to be conservative, an OAF1 of 3% will be used for Era 2 stands, and an OAF1 of 2.5% for stands established in Era 3 to account for non-productive openings.

Additionally, to improve productivity on these open sites Weyerhaeuser has an established program of detailed mapping, immediate site preparation, prompt planting and when required, prompt fill-planting. The net result is a reduction in "un-stocked" holes. The area-weighted inventory stems per hectare for stands regenerated in Era 2 is 5,094 which is significantly higher than the provincial targets. Based on this rationale, to account for non-stocked productive openings an OAF1 of 3% was applied for Era 2 stands, and an OAF1 of 2% was applied for Era 3 and 4 stands.

Forest Health in Regenerated Stands

Several formal forest health studies have been conducted on the TFL. Surveys for Pest Incidence (SPI's) were conducted between 1997 and 1999, and again in 2001. A Forest Health Management Plan was completed for the TFL in 1998, and in 1999 dwarf mistletoe strategies and tactics were developed and included in Silviculture Prescriptions. An earlier literature review of SPI data and expert opinion was used to estimate forest health losses in regenerated stands. These estimates are provided in Appendix 3. Customized Tree and Stand Simulator (TASS) runs used to develop specific OAF's for each forest health agent is summarized in Table 19 below.

Table 19. Forest Health Losses in Regenerated Stands

Agent	Silviculture Era	
	Era 2	Era 3 and Era 4
Comandra blister rust	3.1	0.6
Western gall rust	1.9	0.9
Lodgepole pine terminal weevil	0.0	0.0
Lodgepole pine dwarf mistletoe	1.4	1.0
Douglas fir dwarf mistletoe	0.9	0.9
Larch dwarf mistletoe	0.4	0.4

The dwarf mistletoe strategy is expected to significantly reduce mortality losses because stands will be harvested at a relatively younger age, and because inoculum sources will be significantly reduced. These volume losses are calculated to be 1%.

Future losses from comandra blister rust and western gall rust will not be eliminated, although managing to higher densities by promoting and retaining ingress stems will create a buffer against future losses. Reduced impacts are expected and a conservative volume loss estimate of 1.5% has been applied in this analysis. Combined, a 2.5% OAF1 estimate for Lodgepole pine pest losses was applied to stands regenerated in Era 3 and 4. Table 19 summarizes the forest health related losses by species.

Table 20.Forest Health Losses in Regenerated Stands by Species

Agent	Silviculture Era	
	Era 2	Era 3 & Era 4
Douglas-fir	0.9	0.9
Lodgepole pine	6.4	2.5
Yellow pine	0.0	0.0
Larch	0.4	0.4
Spruce	4.0	4.0
True fir	0.0	0.0

Field-based experience suggests there is little evidence of climate-related losses on regeneration growth, and no formal studies have been conducted regarding random risk related growth losses. Therefore, the standard OAF1 of 3% will be used for climate related losses.

Cumulative OAF1 Reductions

The cumulative OAF1 reductions to be applied in this analysis are presented in Table 21.

Table 21. Cumulative Operational Adjustment Factor 1 Values

Species	Non-productive Openings		Non-stocked Productive Openings		Forest Health		Climate		Total	
	Era 2	Era 3/4	Era 2	Era 3/4	Era 2	Era 3/4	Era 2	Era 3/4	Era 2	Era 3/4
Douglas-fir	3.00	2.50	3.00	2.00	0.90	0.90	3.00	3.00	9.90	8.40
Lodgepole pine	3.00	2.50	3.00	2.00	6.40	2.50	3.00	3.00	15.40	10.00
Yellow pine	3.00	2.50	3.00	2.00	0.00	0.00	3.00	3.00	9.00	7.50
Larch	3.00	2.50	3.00	2.00	0.40	0.40	3.00	3.00	9.40	7.90
Spruce	3.00	2.50	3.00	2.00	4.00	4.00	3.00	3.00	13.00	11.50
True fir	3.00	2.50	3.00	2.00	0.00	0.00	3.00	3.00	9.00	7.50

6.4.1.2 Operational Adjustment Factor 2

Operational Adjustment Factor (OAF) 2 is an adjustment applied to regenerated stands to capture losses due to decay, waste and breakage. TIPSY yields do not account for these losses, and traditionally OAF2 factors were derived from the report "Metric Diameter Class Decay, Waste and Breakage Factors, All Inventory Zones" (MDDWB). Losses reported in the MDDWB are based on species, diameter and risk classes resulting from fire-origin mature and over-mature trees. These values over-estimate the amount of decay, waste and breakage in managed stands because regenerated stands grow faster, will achieve the same diameters at earlier ages, and have less exposure to those events that initiate cull and defect processes.

The following analysis was completed to derive decay waste and breakage factors appropriate for the TFL. The MDDWB tables were summarized to determine stand average diameters at age 100 (the OAF2 100% age). Stand diameters were typically found to be approximately 25 cm and 30 cm for the largest 250 stems per hectare (SPH). Proportionally, the largest 250 stems represent approximately 40 to 50% of stand volume and are most likely to be within a higher Risk Group. From this, it was assumed that 60% of stems would be in Risk Group 1 and 40% in Risk Group 2.

To develop species-specific OAF2 factors, the loss factors within each Risk Group were weighted based on their SPH: 60% in Risk Group 1 and 40% in Risk Group 2. To better reflect volume losses in different diameters, these factors were further weighted by diameter class, where the smaller diameter stems (less than 25 cm) were weighted 50% and larger diameter stems (25 cm +) were weighted 50%. The results of that analysis is presented in Table 22, which reports the OAF2 values to be applied to managed stands.

Table 22. Operational Adjustment Factor 2 Values

Species	OAF 2 (%)
Douglas-fir	3.9
Western Larch	4.0
Yellow Pine	2.5
Lodgepole Pine	3.3
Spruce	3.8

6.4.2 Genetic Improvement

Weyerhaeuser began planting genetically improved stock in 1996 and the program continues to expand. Table 22 reports the total seedlings planted and the number of genetically improved stock planted between 1996 and 2015.

Table 23.Total Planted and Genetically Improved Stock

Year	PL Planted	PL GIS	SX Planted	SX GIS	LW Planted	LW GIS	Total Planted	Total GIS
1996	630,549	3,200	-	-	-	-	630,549	3,200
1997	786,165	27,650	-	-	-	-	786,165	27,650
1998	477,250	-	-	-	-	-	477,250	-
1999	102,803	16,211	379,842	59,899	-	-	482,645	76,110
2000	24,400	2,805	350,980	40,355	-	-	375,380	43,160
2001	248,248	73,657	124,738	37,011	241,489	71,652	614,475	182,320
2002	47,967	10,227	232,543	49,578	-	-	280,510	59,805
2003	120,235	-	-	-	-	-	120,235	-
2004	16,756	6,454	134,130	51,661	-	-	150,954	58,141
2005	-	-	181,318	38,965	-	-	181,318	38,965
2006	-	-	136,390	19,995	-	-	136,390	19,995
2007	-	-	6,053	2,370	23,332	9,135	29,385	11,505
2008	-	-	26,445	2,520	-	-	26,445	2,520
2009	76,970	-	-	-	-	-	76,970	-
2010	2,430	-	-	-	-	-	2,430	-
2011	-	-	19,665	11,160	-	-	19,665	11,160
2012	-	-	-	-	-	-	-	-
2013	11,231	7,917	4,606	3,247	-	-	15,840	11,167
2014	82,146	34,227	101,376	42,240	11,664	4,860	195,120	81,300
2015	356,330	220,637	129,580	80,235	-	-	486,125	301,005
Total	**2,983,479**	**402,986**	**1,827,666**	**439,235**	**276,484**	**85,647**	**5,087,851**	**928,003**

Table 24 provides information about the genetic stock used, as well as the genetic gain realized across the TFL. For each species the TFL Based Genetic Gain represents the parameter applied in building TIPSY yield tables for analysis units from Era 3.

Table 24. Seedlot Statistics and Landbase Statistics for Genetic Gain for Era 3, Past Regeneration

Seedlot Statistics					Landbase Statistics			
Species	**Orchard number**	**Seedlot genetic gain**	**Number of improved seedlings**	**Species Weighted Genetic Gain**	**Total Planted**	**Total GIS Planted**	**Percent Improved Stock**	**TFL Based Genetic Gain %**
PL	308	6%	133,762	13.4%	2,983,479	403,128	13.5%	1.8%
PL	311,338,339	17%	269,366					
SX	303,305,306	12%	149,707	13.6%	1,827,666	439,100	24.0%	3.3%
SX	305	8%	37,000					
SX	302,305	5%	34,358					
SX	303	6%	6,688					
SX	303	10%	5,610					
SX	305	13%	3,247					
SX	306	7%	69,575					
SX	342	26%	14,400					
SX	343	23%	118,515					
LW	332	8%	71,780	10.3%	276,484	85,775	31.0%	3.2%
LW	332	20%	9,135					
LW	332	26%	4,860					
Total			**928,003**		**5,087,629**	**928,003**		

Future seedling requirements are expected to be similar to current use. Based on this expectation, the genetic gains assigned to future regeneration (Era 4) was based on the data from the past three years, including the relative proportions of species planted and source of genetic stock used.

Table 25 provides the statistics for the last 3 years of data, and the genetic gains to be applied in the development of yield curves for future stands.

Table 25. Seedlot Statistics and Landbase Statistics for Genetic Gain for Era 4, Future Regeneration

Seedlot Statistics					Landbase Statistics			
Species	**Orchard number**	**Seedlot genetic gain**	**Number of improved seedlings**	**Species Weighted Genetic Gain**	**Total Planted**	**Total GIS Planted**	**Percent Improved Stock**	**TFL Based Genetic Gain %**
PL	311,338, 339	17%	269,366	17.4%	449,706	262,781	59.9%	10.4%
SX	305	8%	37000	14.5%	235,562	125,722	53.4%	7.7%
SX	302, 305	5%	34,358					
SX	303	6%	6,688					
SX	303	10%	5,610					
SX	305	13%	3,247					
SX	306	7%	69,575					
SX	342	26%	14,400					
SX	343	23%	118,515					
LW	332	20%	9,135	22.1%	11,664	4,860	41.7%	9.2%
LW	332	26%	4,860					
Total			**572,754**		**696,931**	**393,363**		

6.4.3 Silviculture Management Regimes

Appendix 4 provides the parameters used to populate the TIPSY model to build yield tables for managed stands. A summary of the TIPSY output data is included in Appendix 5.

6.5 Silviculture History

Section 2.1.1.1 provides a description of the management eras of TFL 59. These eras are based on regeneration methods, harvest system and resource management directions. The TFL has three distinct past management eras characterized as natural regeneration (Nat), managed regeneration (Man), managed regeneration with genetic stock (Gen), and future stands. The following subsections provide additional silviculture history area summaries on the TFL.

6.5.1 Existing Immature

Table 26 reports the area within each AU by age class midpoint for regenerated stands on the TFL.

Table 26. Regenerated Stand Areas for each Analysis Unit

Analysis Unit Name	Age Class Midpoint								
	0	5	15	25	35	45	55	65	Total
Nat_IGT-A_High						1.9			1.9
Nat_IGT-A_Med						13.9			13.9
Nat_IGT-A_Low						4.3			4.3
Nat_IGT-C_High						192.1	48.4		240.5
Nat_IGT-C_Med						26.8			26.8
Nat_IGT-D_High						213.1	87.1		300.3
Nat_IGT-D_Med						301.6	126.3		427.9
Nat_IGT-D_Low						4.4	1.2		5.6
Nat_IGT-H_High						51.6	2.9		54.5
Nat_IGT-H_Med						3.1			3.1
Nat_IGT-I_High						0.3			0.3
Nat_IGT-J_High						2.9			2.9
Nat_IGT-K_High						23.0			23.0
Nat_IGT-K_Med						1.8			1.8
Nat_IGT-M_High						105.6	23.2	55.3	184.0
Nat_IGT-M_Med						240.3	32.4	1.9	274.7
Nat_IGT-M_Low								9.7	9.7
Nat_IGT-N_High						5.8		0.3	6.1
Man_IGT-A_High				6.2	0.7	3.1			10.1
Man_IGT-A_Med				1.1	4.8	14.4			20.3
Man_IGT-C_High				56.1	73.2	8.4			137.7
Man_IGT-C_Med				40.9	10.8				51.7
Man_IGT-D_High				143.3	94.1	101.6			339.0
Man_IGT-D_Med				259.3	104.9	46.1			410.3
Man_IGT-H_High				54.0	62.8	22.9			139.8
Man_IGT-I_High				12.0					12.0
Man_IGT-J_High					21.6	21.2			42.8
Man_IGT-K_High				35.3	54.2				89.5

Analysis Unit Name	Age Class Midpoint								
	0	5	15	25	35	45	55	65	Total
Man_IGT-K_Med				1.5	1.5				2.9
Man_IGT-K_Low					6.8				6.8
Man_IGT-M_High				1,858.6	1,468.6	52.5			3,379.7
Man_IGT-M_Med				468.8	591.3	93.9			1,154.0
Man_IGT-M_Low				19.8		5.4			25.2
Man_IGT-N_High				127.6	217.4				345.0
Man_IGT-N_Med				1.5					1.5
Gen_IGT-A_High	28.2	237.5	43.8	10.5					320.0
Gen_IGT-A_Med	12.3	271.5	146.0	59.0					488.9
Gen_IGT-A_Low	0.7	16.4	7.4	0.5					25.0
Gen_IGT-C_High	28.3	175.4	639.6	0.3					843.5
Gen_IGT-C_Med		57.4	104.1						161.5
Gen_IGT-C_Low		4.5	55.5						60.0
Gen_IGT-D_High	3.1	267.6	157.3	1.4					429.5
Gen_IGT-D_Med	11.6	274.1	168.5						454.3
Gen_IGT-D_Low			2.8						2.8
Gen_IGT-H_High	11.8	80.1	183.4	2.1					277.4
Gen_IGT-H_Med		11.4	0.7						12.1
Gen_IGT-I_High	439.7	1,766.1	35.8	1.1					2,242.7
Gen_IGT-I_Med	35.0	26.6	0.7						62.3
Gen_IGT-J_High		4.9	10.6						15.6
Gen_IGT-J_Med			3.9						3.9
Gen_IGT-K_High	0.6	2.7	55.5						58.8
Gen_IGT-K_Med	4.3	5.2	2.9						12.4
Gen_IGT-K_Low		13.4	13.4						26.8
Gen_IGT-M_High	98.4	1,543.1	2,012.3	88.0					3,741.8
Gen_IGT-M_Med	46.3	868.5	444.4	17.9					1,377.1
Gen_IGT-M_Low	6.6	18.5	4.2						29.3
Gen_IGT-N_High		121.4	317.2						438.6
Total	**726.9**	**5,766.3**	**4,410.0**	**3,266.9**	**2,712.7**	**1,562.2**	**321.4**	**67.1**	**18,833.6**

6.5.2 Backlog and Current Non-Stocked Areas (NSR)

Based on the latest VRI there is 436 ha of not-sufficiently restocked (NSR) area in the TFL. This includes 283 ha of backlog NSR (prior to 1987) and 153 ha of current NSR (since 1987). Table 27 reports the NSR area in the TFL.

Table 27. Not-Sufficiently Restocked Areas

Land Class	Backlog NSR (ha)	Current NSR (ha)	Total
THLB	266.0	130.3	396.3
Non-THLB	13.9	19.6	33.5
Non-CFLB	3.0	3.4	6.5
Total	**283.0**	**153.3**	**436.3**

In this analysis, backlog and current NSR will be assigned to the appropriate Era 1 analysis unit with an age of -7 years.

7Integrated Resource Management

The OSLRMP was approved by government in January 2001. The OSLRMP provides management direction number of non-timber resources and where appropriate these directives will be incorported into the timber supply analysis. These include:

- Enhanced Riparian Reserves
- Ungulate Winter Range Management
- Old Growth Management Areas
- Wildlife Tree Retention
- Riparian Management Zones
- Big Horn Sheep Resource Management Zone
- Elk Winter Range Congregation Areas
- Visual Quality Objectives
- Cutblock Adjacency

Management direction has been established for the following resources and will be included in this analysis:

- Williamson's Sapsucker Management
- ECA Disturbance Limits in FSWs

7.1Cutblock Adjacency

Green-up is a measure of tree height and site occupancy on a harvested site, and the achievement of a green-up height is required before adjacent areas may be harvested. There are situations when adjacency requirements are not applied, such as for salvage harvest and when applying natural opening sizes consistent with the Biodiversity Guidebook. However, in this analysis it will be assumed that all harvest treatments will be subject to an adjacency requirement. Green-up can be incorporated into the modelling environment in various ways. This analysis will apply maximum disturbance limits to the THLB at the landscape unit level. The TFL is encompassed entirely within the Anarchist landscape unit. In the FPS-ATLAS model adjacency will be modelled so that at the end of each planning period no more than 33% of the TFL will be less than the 2 m green-up height.

7.2Visual Quality Objectives

Visual resources are managed on areas that are known to be visually sensitive to disturbance. Visual Quality Objectives (VQO) for the Okanagan Shuswap were established in 2001. The Visual Quality Objectives (VQO) used in this analysis are based on the assumptions of the Okanagan TSR Information Package. Table 28 reports VQO criteria for each Visual Landscape Unit (VLU).

Table 28. Visual Quality Objectives

Visual Landscape Unit	Visual Quality Objective	Visual Absorption Capability	Maximum Disturbance (%)	Minimum Height (m)	Area Weighted SI (THLB)	Equivalent Minimum Age
98176	M	M	30	4	18.8	14
98248	M	M	30	4	18.2	12
98676	M	M	30	4	16.3	15
98421	P	H	10	3	15.6	13
98245	P	M	7.5	4	18.5	14
98314	P	M	7.5	4	13.1	19
98337	P	M	7.5	4	13.0	19
98434	P	M	7.5	4	16.2	15
98459	P	M	7.5	4	14.5	18
98228	PR	H	25	3	17.6	12
98321	PR	H	25	3	16.4	13
98305	PR	L	15	5	15.4	20
98184	PR	M	25	4	10.6	24
98213	PR	M	25	4	13.5	19
98233	R	H	30	3	17.8	12
98331	R	H	20	3	16.1	13
98156	R	M	15	4	15.5	17
98466	R	M	15	4	15.0	17

7.3 Recreation Resources

The OSLRMP has identified the Inkaneep cross country ski area as an Intensive Recreation RMZ. Management direction for this Resource Management Zone does not specify forest cover requirements and no special management considerations were incorporated into the modelling environment.

A wide variety of other recreation activities such as: hunting, fishing, bird watching, motor biking, mountain biking, and camping occur throughout the TFL. No special management considerations were incorporated into the modelling environment for these activities.

7.4 Wildlife

7.4.1 Ungulate Winter Range

Mule Deer

Ungulate Winter Range (UWR) Unit #U-8-001 encompasses 10,077 ha within the TFL, including 8,743 ha of forest land. Government Actions Regulations (GAR) have set out a number of GWMs specific to timber harvesting and silviculture for Unit #U-8-001. Additionally, proposed changes to GWM 1 provide specific SIC minimum area requirements within each planning cell. UWR planning cells with less than 10 ha within the TFL were merged with an adjacent planning cell or excluded.

For each planning cell, the SIC minimum retention (ha) was converted to a percentage of the total CFLB, then applied as the minimum retention requirement for both the moderate and shallow snowpack zones.

The applied minimum retention age varies by snowpack zone; a minimum age of 140 years for the shallow snowpack zone and 175 years for the moderate snowpack zone.

Table 29 reports the total area, SIC retention area, and retention ratio for each UWR planning cell within the TFL.

Table 29. UWR Planning Cells Area, SIC requirement and retention percent

UWR Planning Cell	SIC Retention Requirement (ha)	Retention (%)
25	36	15.1
26	28	14.7
28	90	15.3
29	70	14.3
30	30	15.9
32	56	15.6
33	35	16.0
35	53	16.6
38	27	16.0
39	76	15.9
40	8	16.7
41	13	14.8
42	21	15.3
43	72	15.6
44	26	17.1
45	76	16.2
46	38	15.4
47	52	17.8
48	66	16.9
49	22	19.9
50	30	15.1
51	34	17.5
52	44	20.3
53	90	19.8
54	41	21.1
55	106	25.3
56	47	40.8
57	49	29.3
58	63	35.9
60	6	34.6
62	36	47.5
63	25	20.4
64	22	19.6
65	54	17.0
66	30	23.1
67	21	10.3
68	14	9.1
70	82	19.2
71	122	16.7
72	9	19.9
73	11	17.1
77	124	16.0
78	74	13.3
79	68	20.6
81	44	18.1

In addition to these retention requirements, within the Forest Stewardship Plan there is an access management requirement to avoid new road development within Mule Deer Winter Range. Where new roads are required they are to be rehabilitated or deactivated to remove access.

Moose

Specific management direction for Moose habitat is provided in Government Actions Regulations (B.C. Reg. 582/2004) which delineates Ungulate Winter Range #U-8-006. The general wildlife measures are focused on ensuring there is an available quantity of mature forest types that provide thermal cover and visual screening cover, and young forest types for food availability.

Relevant to this analysis is the retention of mature forest cover, in the modelling environment a minimum of 33% of stands within the CFLB of #U-8-005 will be greater than the age equivalent to 16 meters in height.

Currently there is a total of 633 ha of #U-8-005 within the TFL, this includes a total of 475 ha within the THLB and 584 ha within the CFLB. Within the CFLB 51% is currently greater than 16 m in height.

In addition, within the Forest Stewardship Plan there is an access management requirement limiting permanent road development within Moose Winter Range and to design new roads away from wetland areas depending on size.

Mountain Goat

Specific management direction for Mountain Goat habitat is provided in Government Actions Regulations (B.C. Reg. 582/2004) which delineates Ungulate Winter Range #U-8-005. The general wildlife measures are focused on limiting the disturbance from active operations on wintering areas, and providing cover. Relevant to this analysis is the management forest cover disturbance, in the modelling environment no more than 33% of stands within the CFLB of #U-8-006 will be at less than 33 years of age.

There is a total of 534 ha of UWR #U-8-006 within the TFL, this includes 107 ha within the THLB and 290 ha within the CFLB. Currently, less than 2% of the CFLB within of UWR #U-8-006 is less than 33 years of age.

In addition, within the Forest Stewardship Plan here is an access management requirement to avoid new access within specific Goat Plateau areas. Where new roads are required they are to be rehabilitated or deactivated to remove access.

7.4.2 Williamson's Sapsucker Habitat Management

Within the TFL there are 12 established Williamson's Sapsucker WHAs and 56 known nest sites. Identified WHAs have been removed from the THLB, and best management practices for nest sites require a 50 metre no disturbance buffer for nests not within a WHA. Accordingly, Williamson's Sapsucker nest site buffers (43 ha total, 21 ha net) were removed from the THLB.

Additionally, there is 7,698 ha of Low-High Williamson's Sapsucker habitat within the TFL. Best management practices require stem retention within these habitats, with the specific retention levels varying by habitat class and cumulative level of disturbance.

Based on Best Management Practices, stand-level retention features such as WTPs, riparian reserves, and other stand-level reserves may be included in block-level stem retention target calculations. Consistent

with this methodology it is assumed that a portion of the live tree retention requirement will come from these various source, with an additional retention specific to Williamson's Sapsucker habitat class.

For High habitat areas outside of WHAs, a minimum live tree retention of 225 stems per hectare (SPH) is required. The TFL has an area-weighted average of 749 SPH (within the THLB) therefore a 30% (225 SPH / 749 SPH) stand level retention will be applied in the FPS model. Although this retention is the minimum target for High habitat, additional retention will come from other stand level retention as described above.

For areas of Low - Moderately High habitat areas outside of WHAs, BMPs require live tree retention in the amounts specified for each retention target classes. Overall, the minimum retention requirement of 143 stems/hectare. Therefore, a 19% (143 SPH / 749 SPH) retention will be applied within the Low – Moderately High habitat areas. Although this is the minimum overall retention, additional retention will come from additional sources as described above.

In the FPS-ATLAS model these retention levels will be applied as a stand level constraint.

7.4.3 Elk Winter Congregation Area

The OSLRMP delineates elk travel corridors and congregation areas, as well as specific management objectives. Within the TFL there are no elk travel corridors, although there are elk congregation areas. A large portion of these congregation areas overlap with UWR Unit #U-8-001. Where overlaps occur, elk management objectives will defer to the UWR-GWM management objectives. Elk Winter Congregation Areas outside UWR Unit #U-8-001 will be managed through snow interception cover (SIC) requirements consistent with MDWR forest cover requirements. Based on the stand selection criteria there is 113 ha of SIC habitat within the TFL.

The OSLRMP specifies that SIC habitat may coincide with the placement of WTPs, OGMAs and other reserves. This coincidental placement is operationally realistic and based on this expectation SIC habitat within the TFL will not be excluded from the THLB.

7.4.4 Big Horn Sheep Resource Management Zone

Within TFL 59 Big Horn sheep habitat identified in the OSLRMP encompasses 11,027 ha, including 10,319 ha of CFLB. In the FPS-ATLAS model a forest cover requirement will be applied to the Big Horn sheep Resource Management Zone so that at the end of each planning period no more than 67% of the Resource Management Zone will less than 16 meters in height. Table 30 reports the current status of the Big Horn sheep forest cover requirements.

Table 30. Current Big Horn Sheep Habitat Conditions

Stand Age	Big Horn sheep RMZ in Crown Forest (ha)	Percent of CFLB
Stands less than 16 m height	3,636.8	35%
Stands greater than or equal to 16 m height	6,681.9	65%
Total Forested	**10,318.7**	**100%**

7.4.5 Access Management

In addition to the access management practices described above, the Forest Stewardship Plan also includes requirements avoiding the construction of new permanent roads in the following areas:

- within the NDT4 types A and B which are low elevation areas.
- within areas in proximity to specific walk-in lakes that would compromise the value of these unique recreation features.

7.5 Biodiversity

Modelling landscape and stand-level biodiversity management objectives will be addressed through the retention of Old Growth Management Areas and Wildlife Tree Patch retention. Details on how these biodiversity objectives are integrated into the modelling environment are provided below.

7.5.1 Old Growth Management Areas

Although Old Growth Management Areas (OGMA) have not been legally established for the Okanagan TSA, Weyerhaeuser has incorporated the latest non-legal OMGA spatial areas into their current management activities. There are 2,129 ha of non-legal OGMA within the TFL that have been removed from the THLB. Table 31 reports the total area, CFLB area and old-seral CFLB area of OGMAs by BGC variant.

Table 31. Non-Legal Spatial lOGMAs

BGC Unit	Total Non-Legal Spatial OGMA (ha)	Crown Forest OGMA (ha)	Old Seral Criteria (age)	Forested Old-Seral OGMA (ha)
ESSFdc1	416.9	391.3	140	287.2
ESSFdcw	20.7	18.1	140	17.1
IDFdm1	333.2	300.7	250	456.6
IDFxh1	385.6	347.1	250	186.6
MSdm1	954.2	920.6	140	0.0
PPxh1	18.4	18.4	250	687.0
Total	**2,129.2**	**1,996.1**		**1,634.5**

7.5.2 Wildlife Tree Retention

Weyerhaeuser recently reviewed the historic levels of WTP retention on the TFL. The analysis found that since 1996 WTP retention on the TFL has averaged 7%, approximately 5% of WTP area is located within the THLB, excluding reductions for other resource values approximately 4% of WTPs located within the THLB. Reports the WTP area and percent retention for TFL 59.

Table 32. WTP retention.

Land Class	Area Logged 1996 – 2016 (ha)	Percent of Logged Area	Net Reduction (ha)	Net Percent WTP
Total Area	6,162.4	100.0%		
Total WTP Area	445.5	7.2%	409.5	6.6%
WTP in THLB	286.0	4.6%	265.4	4.3%
WTP in NTHLB	106.5	1.7%		
WTP in NCFLB	52.4	0.9%		

In addition to WTPs, Weyerhaeuser has adopted a practice of leaving wildlife piles (WP), small accumulations of slash and pieces of logs. This practice requested by trappers as a way to improve habitat in logged areas, WPs are beneficial for small mammals and wildlife that may prey on those small mammals. WPs were not specifically incorporated into the modelling environment.

7.6 Community Watersheds

There are no community watersheds in TFL 59.

7.7Fisheries Sensitive Watersheds

The Vaseux drainage is a designated Fisheries Sensitive Watershed (FSW). Within the FSW watershed assessments are required to ensure that the cumulative effects of harvesting activities do not negatively affect watershed values. The impact of harvesting activities is assessed through an Equivalent Clearcut Area (ECA) calculation, as well as a review of other pertinent information as determined by the qualified professional. Recommendations from the assessment guide forest operations

The ECA calculations provide a relative measure of the hydrologic recovery of a watershed. Although other specific watershed attributes can provide a better metric of watershed conditions, the ECA calculation is an effective method of incorporating the cumulative effects of harvesting into the modelling environment. Table 33 shows the hydrologic recovery rates that will be used to calculate ECA for the Vaseux watershed.

In the modelling environment an ECA constraint will be applied so that the CFLB within the Vaseux watershed does not exceed 30% ECA.

Table 33. ECA recovery rates.

Stand Height	Percent Recovery
0 – 2.9	0 %
3.0 – 4.9	25 %
5.0 – 6.9	50 %
7.0 – 8.9	75 %
9.0 +	90 %

7.8Riparian Management Zones

Table 34 reports the area within each riparian management zone (RMZ) classification, as well as the operational management objectives for each classification. These RMZ buffer widths and basal area retention are consistent with the objectives established in the OSLRMP.

Operationally, the intent of the RMZ is to provide a buffer adjacent to the RRZ to protect the integrity of the reserve zone. Current operating practice is to define leave areas at levels equivalent to the basal area retention requirement. Within FPS-ATLAS a constraint will apply the appropriate RMZ percent retention at the stand level.

Table 34. RMZ Areas, Basal Area Retention and Net RMZ Area

Water Feature	RMZ Width (m)	RMZ % Retention	RMZ Area (ha)
Large Lake (L1)	0	n/a	0.0
Medium Lake (L2)	20	100	6.5
Small Lake (L4)	30	100	93.8
Large Wetland (W1)	40	30	68.2
Medium Wetland (W3)	30	20	32.8
Small Wetland (W4)	30	100	182.8
Stream (S2)	20	50	0.0
Stream (S3)	20	50	0.0
Stream (S4 fish)	30	30	387.0
Stream (S4 non fish)	30	0	0.4
Stream (S5)	20	50	13.2
Stream (S6 =>1.5m)	20	50	364.2
Stream (S6 <1.5m)	20	0	1,456.6

8 Timber Harvesting

8.1 Minimum Harvestable Age/ Merchantability Standards

Minimum harvest criteria define the minimum conditions necessary for a stand to be eligible for harvest. These criteria impact timber supply and reflect the balance between harvest flow objectives and operational considerations. Minimum harvest criteria differed between existing mature stands and regenerated stands.

For mature stands minimum harvest criteria is based on two merchantability criteria: a minimum harvest volume of 120m^3/ha, as well as a minimum piece size threshold 0.11m^3/stem. These criteria were derived from harvest data reviewed by Weyerhaeuser over the past 5 years.

Minimum harvest criteria for regenerated stands is the age where 95% of the culmination of mean annual increment is achieved.

8.3 Harvest Rules

The FPS-ATLAS model schedules treatment based on user defined treatment ages, subject to eligibility. Although the model have functionality to allow stands to be prioritized based on a number of attributes, for this analysis eligible stands are randomly selected for treatment.

8.4 Harvest Profile

The harvest profile will reflect the harvest priorities, stand and landscape level targets, and the various constraints integrated into the model. It should not be necessary to impose specific priorities for species, age or stand condition to meet harvest profile targets. However, model outputs will be analyzed to ensure management objectives and operational reality is captured. The model outputs analyzed will include:

- Growing stock,
- Area harvested,
- Average age harvested,
- Volume per hectare harvested,
- Contributions of natural and managed stands,
- Age class composition,
- Seral stage distributions over time, and
- Alternative harvest flows.

8.5 Unsalvaged Losses

Unsalvaged timber losses due to natural causes, such as epidemic losses to insects and disease, and losses to fire and blowdown, will be incorporated into the timber supply analysis as a volume reduction applied to the projected timber supply forecast.

TFL 59 has an extensive road network and the entire land base within the TFL is accessible. The TFL is close to the community of Princeton and its processing facility, allowing for the effective salvage of timber losses when necessary. Annual monitoring identifies any timber recently affected by pest infestations and wind damage, and an aggressive fire protection program developed in cooperation with the regional FLNRO staff reduces the risk of loss due to fire.

The Okanagan Timber Supply Area (TSA) currently has a THLB of 795,948 ha and an estimated 228,300 m^3/year of unsalvaged timber losses. Expressed as a ratio of losses per hectare of THLB, the Okanagan TSA has 0.2868 m^3/ha/year of unsalvaged losses.

Table 2 illustrates that TFL 59 is virtually unaffected by the recent BC interior MPB epidemic, and that there is no evidence of existing or emerging forest health concerns for MPB, spruce beetle or Douglas fir beetle on the TFL. Additionally, in cooperation with the BC Wildfire Service, Weyerhaeuser currently has an aggressive fire protection program in place.

The low incidence of timber losses, close accessibility and extensive road network of the TFL reduces the potential timber losses on the TFL to a proportion less than that of the Okanagan TSA overall. Based on this assessment, the ratio for unsalvaged loss on the TFL is 0.086 m^3/ha/year. This equates to annual losses of 3,120 m^3/year or 4.7% of the current AAC.

8.6 Silvicultural Systems

The primary silvicultural system employed on the TFL is clearcuts with retention. Specifics regarding opening size and patch size distribution are implemented at the operational level.

Appendix IP1 – VDYP Input Parameters

```
January 18 2017    TFL59 data
#   Natural Stands VDYP7 records
#   Mixed utilization
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-ifmt DCSV
-ofmt YieldTable
# ---------------------------------------------------------------
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-o
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ed_18jan2017.dat
-e
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ed_18jan2017.err
# ------------------------------ debug logfiles YN
# -l
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g
#
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-back Yes
-includeprojmode Yes
-yieldtableincpolyid Yes
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-d S:\516\12\04_Models\01_Basecase\Yield_Curves\VDYP\VDYP_Mixed_Utilization\VDYP_Model_Run
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-v7save No
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-ageend 350
-inc 10
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-forcecrntyear No
-progressfrequency 200
```

Appendix IP2 – Yield tables for mature stands (VDYP Output)

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-A_High	10	20	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-A_High	20	20	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-A_High	30	20	20.1	0	83.4	2.7	9.018	/Dec	0	0	9.018
Mat_IGT-A_High	40	20	22.1	0	185	7.1	33.014	/Dec	0	0	33.014
Mat_IGT-A_High	50	20	24.1	0	274	12.5	71.547	/Dec	0	0	71.547
Mat_IGT-A_High	60	20	26.1	0	336	18.1	118.677	/Dec	0	0	118.677
Mat_IGT-A_High	70	20	28	0	371	23	167.1	/Dec	0	0	167.1
Mat_IGT-A_High	80	20	29.8	0	383	27	212.401	/Dec	0	0	212.401
Mat_IGT-A_High	90	20	31.5	0	382	30.2	253.015	/Dec	0	0	253.015
Mat_IGT-A_High	100	20	33.1	0	372	32.8	288.909	/Dec	0	0	288.909
Mat_IGT-A_High	110	20	34.8	0	357	34.8	320.913	/Dec	0	0	320.913
Mat_IGT-A_High	120	20	36.4	0	341	36.5	350.227	/Dec	0	0	350.227
Mat_IGT-A_High	130	20	38	0	324	38	376.509	/Dec	0	0	376.509
Mat_IGT-A_High	140	20	39.6	0	307	39.2	400.233	/Dec	0	0	400.233
Mat_IGT-A_High	150	20	41.1	0	292	40.2	419.066	/Dec	0	0	419.066
Mat_IGT-A_High	160	20	42.2	0	281	41	431.092	/Dec	0	0	431.092
Mat_IGT-A_High	170	20	43.2	0	271	41.6	436.752	/Dec	0	0	436.752
Mat_IGT-A_High	180	20	43.7	0	265	41.3	434.095	/Dec	0	0	434.095
Mat_IGT-A_High	190	20	44.1	0	260	41.2	431.398	/Dec	0	0	431.398
Mat_IGT-A_High	200	20	44.5	0	256	41.1	429.093	/Dec	0	0	429.093
Mat_IGT-A_High	210	20	44.5	0	255	41	426.804	/Dec	0	0	426.804
Mat_IGT-A_High	220	20	44.6	0	254	40.9	424.864	/Dec	0	0	424.864
Mat_IGT-A_High	230	20	44.7	0	253	40.9	422.866	/Dec	0	0	422.866
Mat_IGT-A_High	240	20	44.7	0	252	40.8	420.905	/Dec	0	0	420.905

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-A_High	250	20	44.7	0	252	40.7	418.906	/Dec	0	0	418.906
Mat_IGT-A_High	260	20	44.7	0	251	40.7	416.898	/Dec	0	0	416.898
Mat_IGT-A_High	270	20	44.7	0	251	40.6	414.957	/Dec	0	0	414.957
Mat_IGT-A_High	280	20	44.7	0	250	40.6	412.993	/Dec	0	0	412.993
Mat_IGT-A_High	290	20	44.7	0	250	40.5	411.087	/Dec	0	0	411.087
Mat_IGT-A_High	300	20	44.7	0	249	40.4	409.131	/Dec	0	0	409.131
Mat_IGT-A_High	310	20	44.7	0	249	40.4	407.377	/Dec	0	0	407.377
Mat_IGT-A_High	320	20	44.7	0	249	40.4	406.071	/Dec	0	0	406.071
Mat_IGT-A_High	330	20	44.7	0	249	40.4	404.723	/Dec	0	0	404.723
Mat_IGT-A_High	340	20	44.7	0	249	40.4	403.424	/Dec	0	0	403.424
Mat_IGT-A_High	350	20	44.7	0	249	40.4	402.026	/Dec	0	0	402.026
Mat_IGT-A_Low	10	13	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-A_Low	20	13	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-A_Low	30	13	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-A_Low	40	13	5.51	0	12.8	0.4	1.033	/Dec	0	0	1.033
Mat_IGT-A_Low	50	13	19.1	0	82.1	2.8	8.848	/Dec	0	0	8.848
Mat_IGT-A_Low	60	13	21.7	0	129	4.8	18.39	/Dec	0	0	18.39
Mat_IGT-A_Low	70	13	22.8	0	171	7	30.687	/Dec	0	0	30.687
Mat_IGT-A_Low	80	13	23.8	0	208	9.4	45.363	/Dec	0	0	45.363
Mat_IGT-A_Low	90	13	24.7	0	240	11.7	61.486	/Dec	0	0	61.486
Mat_IGT-A_Low	100	13	25.6	0	266	13.9	77.811	/Dec	0	0	77.811
Mat_IGT-A_Low	110	13	26.5	0	288	16.1	94.508	/Dec	0	0	94.508
Mat_IGT-A_Low	120	13	27.3	0	305	18.1	110.944	/Dec	0	0	110.944
Mat_IGT-A_Low	130	13	28	0	318	19.9	126.37	/Dec	0	0	126.37
Mat_IGT-A_Low	140	13	28.8	0	326	21.5	139.588	/Dec	0	0	139.588
Mat_IGT-A_Low	150	13	29.4	0	331	22.7	146.91	/Dec	0	0	146.91

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-A_Low	160	13	29.9	0	332	23.6	151.765	/Dec	0	0	151.765
Mat_IGT-A_Low	170	13	30.3	0	331	24.2	154.932	/Dec	0	0	154.932
Mat_IGT-A_Low	180	13	30.7	0	329	24.7	156.851	/Dec	0	0	156.851
Mat_IGT-A_Low	190	13	31	0	326	24.9	157.785	/Dec	0	0	157.785
Mat_IGT-A_Low	200	13	31.3	0	323	25.1	158.473	/Dec	0	0	158.473
Mat_IGT-A_Low	210	13	31.5	0	321	25.3	158.781	/Dec	0	0	158.781
Mat_IGT-A_Low	220	13	31.8	0	319	25.6	159.226	/Dec	0	0	159.226
Mat_IGT-A_Low	230	13	32	0	317	25.7	159.608	/Dec	0	0	159.608
Mat_IGT-A_Low	240	13	32.2	0	315	25.9	159.926	/Dec	0	0	159.926
Mat_IGT-A_Low	250	13	32.4	0	314	26.1	160.163	/Dec	0	0	160.163
Mat_IGT-A_Low	260	13	32.6	0	312	26.2	160.35	/Dec	0	0	160.35
Mat_IGT-A_Low	270	13	32.8	0	310	26.4	160.481	/Dec	0	0	160.481
Mat_IGT-A_Low	280	13	33	0	308	26.5	160.562	/Dec	0	0	160.562
Mat_IGT-A_Low	290	13	33.2	0	306	26.6	160.61	/Dec	0	0	160.61
Mat_IGT-A_Low	300	13	33.3	0	304	26.8	160.611	/Dec	0	0	160.611
Mat_IGT-A_Low	310	13	33.5	0	302	26.9	160.585	/Dec	0	0	160.585
Mat_IGT-A_Low	320	13	33.5	0	302	26.9	160.123	/Dec	0	0	160.123
Mat_IGT-A_Low	330	13	33.5	0	302	26.9	159.62	/Dec	0	0	159.62
Mat_IGT-A_Low	340	13	33.5	0	302	26.9	159.111	/Dec	0	0	159.111
Mat_IGT-A_Low	350	13	33.5	0	302	26.9	158.589	/Dec	0	0	158.589
Mat_IGT-A_Med	10	16	0	0	0	0	0	/Dec	-0.7	-0.7	0
Mat_IGT-A_Med	20	16	0	0	0	0	0	/Dec	-0.7	-0.7	0
Mat_IGT-A_Med	30	16	0	0	0	0	0	/Dec	-0.7	-0.7	0
Mat_IGT-A_Med	40	16	20.7	0	116	4	12.69	/Dec	-0.7	-0.7	12.601
Mat_IGT-A_Med	50	16	22.1	0	201	7.8	32.959	/Dec	-0.7	-0.7	32.728
Mat_IGT-A_Med	60	16	23.5	0	278	12.2	61.316	/Dec	-0.7	-0.7	60.887

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-A_Med	70	16	24.9	0	342	16.8	95.057	/Dec	-0.7	-0.7	94.392
Mat_IGT-A_Med	80	16	26.2	0	391	21.3	131.768	/Dec	-0.7	-0.7	130.846
Mat_IGT-A_Med	90	16	27.4	0	426	25.4	168.176	/Dec	-0.7	-0.7	166.999
Mat_IGT-A_Med	100	16	28.5	0	450	29.1	203.455	/Dec	-0.7	-0.7	202.031
Mat_IGT-A_Med	110	16	29.6	0	466	32.3	236.949	/Dec	-0.7	-0.7	235.29
Mat_IGT-A_Med	120	16	30.7	0	473	35.2	267.827	/Dec	-0.7	-0.7	265.952
Mat_IGT-A_Med	130	16	31.7	0	474	37.6	295.553	/Dec	-0.7	-0.7	293.484
Mat_IGT-A_Med	140	16	32.8	0	469	39.5	318.404	/Dec	-0.7	-0.7	316.175
Mat_IGT-A_Med	150	16	33.7	0	460	41	334.423	/Dec	-0.7	-0.7	332.082
Mat_IGT-A_Med	160	16	34.5	0	449	42	343.442	/Dec	-0.7	-0.7	341.038
Mat_IGT-A_Med	170	16	35.2	0	437	42.5	348.546	/Dec	-0.7	-0.7	346.106
Mat_IGT-A_Med	180	16	35.8	0	426	42.8	351.053	/Dec	-0.7	-0.7	348.596
Mat_IGT-A_Med	190	16	36.3	0	417	43.1	352.374	/Dec	-0.7	-0.7	349.907
Mat_IGT-A_Med	200	16	36.8	0	408	43.3	353.2	/Dec	-0.7	-0.7	350.728
Mat_IGT-A_Med	210	16	37.2	0	402	43.5	352.619	/Dec	-0.7	-0.7	350.151
Mat_IGT-A_Med	220	16	37.6	0	396	43.7	352.193	/Dec	-0.7	-0.7	349.728
Mat_IGT-A_Med	230	16	37.9	0	390	43.9	351.673	/Dec	-0.7	-0.7	349.211
Mat_IGT-A_Med	240	16	38.3	0	384	44.1	351.033	/Dec	-0.7	-0.7	348.576
Mat_IGT-A_Med	250	16	38.6	0	379	44.2	350.338	/Dec	-0.7	-0.7	347.886
Mat_IGT-A_Med	260	16	38.9	0	375	44.3	349.732	/Dec	-0.7	-0.7	347.284
Mat_IGT-A_Med	270	16	39.1	0	371	44.4	349.046	/Dec	-0.7	-0.7	346.603
Mat_IGT-A_Med	280	16	39.4	0	367	44.5	348.293	/Dec	-0.7	-0.7	345.855
Mat_IGT-A_Med	290	16	39.6	0	364	44.6	347.488	/Dec	-0.7	-0.7	345.056
Mat_IGT-A_Med	300	16	39.8	0	360	44.7	346.668	/Dec	-0.7	-0.7	344.241
Mat_IGT-A_Med	310	16	40	0	357	44.8	345.807	/Dec	-0.7	-0.7	343.386
Mat_IGT-A_Med	320	16	40	0	357	44.8	344.584	/Dec	-0.7	-0.7	342.172

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-A_Med	330	16	40	0	357	44.8	343.332	/Dec	-0.7	-0.7	340.929
Mat_IGT-A_Med	340	16	40	0	357	44.8	342.087	/Dec	-0.7	-0.7	339.692
Mat_IGT-A_Med	350	16	40	0	357	44.8	340.809	/Dec	-0.7	-0.7	338.423
Mat_IGT-C_High	10	17	0	0	0	0	0	/Dec	-0.2	-0.2	0
Mat_IGT-C_High	20	17	0	0	0	0	0	/Dec	-0.2	-0.2	0
Mat_IGT-C_High	30	17	3.54	0	15.1	0.4	1.29	/Dec	-0.2	-0.2	1.287
Mat_IGT-C_High	40	17	20.7	0	128	4.1	15.196	/Dec	-0.2	-0.2	15.166
Mat_IGT-C_High	50	17	22	0	220	8.3	38.226	/Dec	-0.2	-0.2	38.15
Mat_IGT-C_High	60	17	23.5	0	299	12.9	70.263	/Dec	-0.2	-0.2	70.122
Mat_IGT-C_High	70	17	24.9	0	359	17.6	107.31	/Dec	-0.2	-0.2	107.095
Mat_IGT-C_High	80	17	26.3	0	399	21.7	143.913	/Dec	-0.2	-0.2	143.625
Mat_IGT-C_High	90	17	27.5	0	422	25.1	178.151	/Dec	-0.2	-0.2	177.795
Mat_IGT-C_High	100	17	28.8	0	433	28	210.793	/Dec	-0.2	-0.2	210.371
Mat_IGT-C_High	110	17	30	0	438	30.5	241.875	/Dec	-0.2	-0.2	241.391
Mat_IGT-C_High	120	17	31.3	0	436	32.7	270.618	/Dec	-0.2	-0.2	270.077
Mat_IGT-C_High	130	17	32.6	0	426	34.5	295.998	/Dec	-0.2	-0.2	295.406
Mat_IGT-C_High	140	17	33.9	0	409	35.8	317.114	/Dec	-0.2	-0.2	316.48
Mat_IGT-C_High	150	17	35	0	392	36.6	331.694	/Dec	-0.2	-0.2	331.031
Mat_IGT-C_High	160	17	35.9	0	375	36.8	339.415	/Dec	-0.2	-0.2	338.736
Mat_IGT-C_High	170	17	36.6	0	362	36.9	343.272	/Dec	-0.2	-0.2	342.585
Mat_IGT-C_High	180	17	37.2	0	350	36.9	345.032	/Dec	-0.2	-0.2	344.342
Mat_IGT-C_High	190	17	37.7	0	341	36.9	345.837	/Dec	-0.2	-0.2	345.145
Mat_IGT-C_High	200	17	38.1	0	334	37	346.646	/Dec	-0.2	-0.2	345.953
Mat_IGT-C_High	210	17	38.3	0	329	37.1	346.141	/Dec	-0.2	-0.2	345.449
Mat_IGT-C_High	220	17	38.6	0	325	37.2	346.005	/Dec	-0.2	-0.2	345.313
Mat_IGT-C_High	230	17	38.8	0	322	37.4	345.782	/Dec	-0.2	-0.2	345.09

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-C_High	240	17	39	0	319	37.5	345.48	/Dec	-0.2	-0.2	344.789
Mat_IGT-C_High	250	17	39.2	0	316	37.6	345.076	/Dec	-0.2	-0.2	344.386
Mat_IGT-C_High	260	17	39.4	0	314	37.7	344.565	/Dec	-0.2	-0.2	343.876
Mat_IGT-C_High	270	17	39.5	0	312	37.8	343.977	/Dec	-0.2	-0.2	343.289
Mat_IGT-C_High	280	17	39.7	0	310	37.8	343.334	/Dec	-0.2	-0.2	342.647
Mat_IGT-C_High	290	17	39.8	0	308	37.9	342.656	/Dec	-0.2	-0.2	341.971
Mat_IGT-C_High	300	17	39.9	0	306	38	341.926	/Dec	-0.2	-0.2	341.242
Mat_IGT-C_High	310	17	40	0	305	38	341.145	/Dec	-0.2	-0.2	340.463
Mat_IGT-C_High	320	17	40	0	305	38	339.969	/Dec	-0.2	-0.2	339.289
Mat_IGT-C_High	330	17	40	0	305	38	338.773	/Dec	-0.2	-0.2	338.095
Mat_IGT-C_High	340	17	40	0	305	38	337.564	/Dec	-0.2	-0.2	336.889
Mat_IGT-C_High	350	17	40	0	305	38	336.351	/Dec	-0.2	-0.2	335.678
Mat_IGT-C_Low	10	9	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-C_Low	20	9	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-C_Low	30	9	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-C_Low	40	9	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-C_Low	50	9	3.91	0	11.9	0.3	0.938	/Dec	0	0	0.938
Mat_IGT-C_Low	60	9	7.27	0	26.2	0.8	2.692	/Dec	0	0	2.692
Mat_IGT-C_Low	70	9	12.3	0	56.7	2	6.788	/Dec	0	0	6.788
Mat_IGT-C_Low	80	9	21.7	0	91.8	3.4	12.802	/Dec	0	0	12.802
Mat_IGT-C_Low	90	9	22.2	0	123	4.8	20.103	/Dec	0	0	20.103
Mat_IGT-C_Low	100	9	22.8	0	151	6.3	28.632	/Dec	0	0	28.632
Mat_IGT-C_Low	110	9	23.4	0	177	7.8	38.102	/Dec	0	0	38.102
Mat_IGT-C_Low	120	9	23.9	0	199	9.2	48.223	/Dec	0	0	48.223
Mat_IGT-C_Low	130	9	24.5	0	218	10.6	58.649	/Dec	0	0	58.649
Mat_IGT-C_Low	140	9	25.1	0	234	11.9	68.702	/Dec	0	0	68.702

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-C_Low	150	9	25.6	0	246	12.9	76.08	/Dec	0	0	76.08
Mat_IGT-C_Low	160	9	26.2	0	252	13.8	81.875	/Dec	0	0	81.875
Mat_IGT-C_Low	170	9	26.7	0	254	14.4	85.993	/Dec	0	0	85.993
Mat_IGT-C_Low	180	9	27.2	0	254	14.8	88.7	/Dec	0	0	88.7
Mat_IGT-C_Low	190	9	27.6	0	251	15	90.022	/Dec	0	0	90.022
Mat_IGT-C_Low	200	9	28	0	248	15.2	90.903	/Dec	0	0	90.903
Mat_IGT-C_Low	210	9	28.2	0	246	15.4	91.184	/Dec	0	0	91.184
Mat_IGT-C_Low	220	9	28.4	0	245	15.5	91.583	/Dec	0	0	91.583
Mat_IGT-C_Low	230	9	28.6	0	245	15.7	91.96	/Dec	0	0	91.96
Mat_IGT-C_Low	240	9	28.8	0	244	15.8	92.279	/Dec	0	0	92.279
Mat_IGT-C_Low	250	9	28.9	0	243	15.9	92.56	/Dec	0	0	92.56
Mat_IGT-C_Low	260	9	29.1	0	243	16	92.797	/Dec	0	0	92.797
Mat_IGT-C_Low	270	9	29.2	0	242	16.1	92.998	/Dec	0	0	92.998
Mat_IGT-C_Low	280	9	29.3	0	242	16.2	93.159	/Dec	0	0	93.159
Mat_IGT-C_Low	290	9	29.5	0	241	16.3	93.296	/Dec	0	0	93.296
Mat_IGT-C_Low	300	9	29.6	0	240	16.4	93.385	/Dec	0	0	93.385
Mat_IGT-C_Low	310	9	29.8	0	239	16.5	93.47	/Dec	0	0	93.47
Mat_IGT-C_Low	320	9	29.8	0	239	16.6	93.366	/Dec	0	0	93.366
Mat_IGT-C_Low	330	9	29.8	0	239	16.6	93.071	/Dec	0	0	93.071
Mat_IGT-C_Low	340	9	29.8	0	239	16.6	92.772	/Dec	0	0	92.772
Mat_IGT-C_Low	350	9	29.8	0	239	16.6	92.47	/Dec	0	0	92.47
Mat_IGT-C_Med	10	14	0	0	0	0	0	/Dec	-0.4	-0.4	0
Mat_IGT-C_Med	20	14	0	0	0	0	0	/Dec	-0.4	-0.4	0
Mat_IGT-C_Med	30	14	0	0	0	0	0	/Dec	-0.4	-0.4	0
Mat_IGT-C_Med	40	14	9.3	0	41.8	1.2	3.687	/Dec	-0.4	-0.4	3.672
Mat_IGT-C_Med	50	14	20.3	0	110	3.5	13.234	/Dec	-0.4	-0.4	13.181

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-C_Med	60	14	21.6	0	168	6	26.814	/Dec	-0.4	-0.4	26.707
Mat_IGT-C_Med	70	14	22.6	0	221	8.8	44.397	/Dec	-0.4	-0.4	44.219
Mat_IGT-C_Med	80	14	23.6	0	264	11.5	64.75	/Dec	-0.4	-0.4	64.491
Mat_IGT-C_Med	90	14	24.8	0	297	14.1	85.855	/Dec	-0.4	-0.4	85.512
Mat_IGT-C_Med	100	14	25.7	0	322	16.5	107.362	/Dec	-0.4	-0.4	106.933
Mat_IGT-C_Med	110	14	26.8	0	340	18.7	128.936	/Dec	-0.4	-0.4	128.42
Mat_IGT-C_Med	120	14	27.8	0	351	20.7	149.318	/Dec	-0.4	-0.4	148.721
Mat_IGT-C_Med	130	14	28.8	0	355	22.5	168.241	/Dec	-0.4	-0.4	167.568
Mat_IGT-C_Med	140	14	29.9	0	353	23.9	184.772	/Dec	-0.4	-0.4	184.033
Mat_IGT-C_Med	150	14	30.8	0	347	25	196.012	/Dec	-0.4	-0.4	195.228
Mat_IGT-C_Med	160	14	31.6	0	339	25.6	202.599	/Dec	-0.4	-0.4	201.789
Mat_IGT-C_Med	170	14	32.3	0	331	26	206.441	/Dec	-0.4	-0.4	205.615
Mat_IGT-C_Med	180	14	32.8	0	323	26.2	208.539	/Dec	-0.4	-0.4	207.705
Mat_IGT-C_Med	190	14	33.3	0	315	26.3	209.37	/Dec	-0.4	-0.4	208.533
Mat_IGT-C_Med	200	14	33.7	0	310	26.4	210.005	/Dec	-0.4	-0.4	209.165
Mat_IGT-C_Med	210	14	34	0	306	26.6	209.862	/Dec	-0.4	-0.4	209.023
Mat_IGT-C_Med	220	14	34.2	0	303	26.7	210.007	/Dec	-0.4	-0.4	209.167
Mat_IGT-C_Med	230	14	34.4	0	300	26.9	210.064	/Dec	-0.4	-0.4	209.224
Mat_IGT-C_Med	240	14	34.7	0	297	27	210.061	/Dec	-0.4	-0.4	209.221
Mat_IGT-C_Med	250	14	34.9	0	295	27.1	210.009	/Dec	-0.4	-0.4	209.169
Mat_IGT-C_Med	260	14	35.1	0	292	27.2	209.902	/Dec	-0.4	-0.4	209.062
Mat_IGT-C_Med	270	14	35.3	0	290	27.3	209.75	/Dec	-0.4	-0.4	208.911
Mat_IGT-C_Med	280	14	35.4	0	288	27.4	209.553	/Dec	-0.4	-0.4	208.715
Mat_IGT-C_Med	290	14	35.6	0	286	27.5	209.31	/Dec	-0.4	-0.4	208.473
Mat_IGT-C_Med	300	14	35.8	0	283	27.6	209.044	/Dec	-0.4	-0.4	208.208
Mat_IGT-C_Med	310	14	36	0	281	27.7	208.725	/Dec	-0.4	-0.4	207.89

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-C_Med	320	14	36	0	281	27.7	208.067	/Dec	-0.4	-0.4	207.235
Mat_IGT-C_Med	330	14	36	0	281	27.7	207.363	/Dec	-0.4	-0.4	206.534
Mat_IGT-C_Med	340	14	36	0	281	27.7	206.655	/Dec	-0.4	-0.4	205.828
Mat_IGT-C_Med	350	14	36	0	281	27.7	205.948	/Dec	-0.4	-0.4	205.124
Mat_IGT-C_Poor	10	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-C_Poor	20	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-C_Poor	30	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-C_Poor	40	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-C_Poor	50	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-C_Poor	60	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-C_Poor	70	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-C_Poor	80	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-C_Poor	90	7	21.5	0	15.1	0.5	1.5	/Dec	0	0	1.5
Mat_IGT-C_Poor	100	7	21.9	0	52.7	2	6.4	/Dec	0	0	6.4
Mat_IGT-C_Poor	110	7	22.2	0	90.4	3.5	13.3	/Dec	0	0	13.3
Mat_IGT-C_Poor	120	7	22.5	0	128	5.1	22.3	/Dec	0	0	22.3
Mat_IGT-C_Poor	130	7	22.9	0	165	6.8	33.2	/Dec	0	0	33.2
Mat_IGT-C_Poor	140	7	23.2	0	201	8.5	45.9	/Dec	0	0	45.9
Mat_IGT-C_Poor	150	7	23.5	0	232	10.1	58.4	/Dec	0	0	58.4
Mat_IGT-C_Poor	160	7	23.7	0	257	11.4	65.6	/Dec	0	0	65.6
Mat_IGT-C_Poor	170	7	23.9	0	276	12.4	71.1	/Dec	0	0	71.1
Mat_IGT-C_Poor	180	7	24	0	292	13.3	75.6	/Dec	0	0	75.6
Mat_IGT-C_Poor	190	7	24.5	0	293	13.8	77.6	/Dec	0	0	77.6
Mat_IGT-C_Poor	200	7	24.8	0	293	14.2	79	/Dec	0	0	79
Mat_IGT-C_Poor	210	7	25.1	0	293	14.5	80	/Dec	0	0	80
Mat_IGT-C_Poor	220	7	25.2	0	294	14.7	80.8	/Dec	0	0	80.8

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-C_Poor	230	7	25.3	0	296	14.9	81.6	/Dec	0	0	81.6
Mat_IGT-C_Poor	240	7	25.4	0	298	15.1	82.3	/Dec	0	0	82.3
Mat_IGT-C_Poor	250	7	25.5	0	299	15.3	82.9	/Dec	0	0	82.9
Mat_IGT-C_Poor	260	7	25.6	0	301	15.5	83.5	/Dec	0	0	83.5
Mat_IGT-C_Poor	270	7	25.7	0	302	15.7	84	/Dec	0	0	84
Mat_IGT-C_Poor	280	7	25.8	0	303	15.8	84.4	/Dec	0	0	84.4
Mat_IGT-C_Poor	290	7	25.9	0	304	16	84.7	/Dec	0	0	84.7
Mat_IGT-C_Poor	300	7	26	0	305	16.1	85.1	/Dec	0	0	85.1
Mat_IGT-C_Poor	310	7	26	0	306	16.3	85.3	/Dec	0	0	85.3
Mat_IGT-C_Poor	320	7	26.1	0	306	16.4	85.5	/Dec	0	0	85.5
Mat_IGT-C_Poor	330	7	26.1	0	307	16.4	85.3	/Dec	0	0	85.3
Mat_IGT-C_Poor	340	7	26.1	0	307	16.4	84.9	/Dec	0	0	84.9
Mat_IGT-C_Poor	350	7	26.1	0	307	16.4	84.6	/Dec	0	0	84.6
Mat_IGT-D_High	10	20	0	0	0	0	0	/Dec	-0.4	-0.4	0
Mat_IGT-D_High	20	20	0	0	0	0	0	/Dec	-0.4	-0.4	0
Mat_IGT-D_High	30	20	20.1	0	64.4	2.1	6.966	/Dec	-0.4	-0.4	6.938
Mat_IGT-D_High	40	20	21.5	0	205	7.6	34.21	/Dec	-0.4	-0.4	34.073
Mat_IGT-D_High	50	20	22.9	0	364	15.2	82.721	/Dec	-0.4	-0.4	82.39
Mat_IGT-D_High	60	20	24.2	0	494	23	143.135	/Dec	-0.4	-0.4	142.562
Mat_IGT-D_High	70	20	25.7	0	570	29.7	202.783	/Dec	-0.4	-0.4	201.972
Mat_IGT-D_High	80	20	27.3	0	597	34.8	256.407	/Dec	-0.4	-0.4	255.381
Mat_IGT-D_High	90	20	29	0	592	38.7	302.158	/Dec	-0.4	-0.4	300.949
Mat_IGT-D_High	100	20	30.8	0	567	41.6	340.077	/Dec	-0.4	-0.4	338.717
Mat_IGT-D_High	110	20	32.6	0	534	43.7	370.872	/Dec	-0.4	-0.4	369.389
Mat_IGT-D_High	120	20	34.3	0	499	45.3	395.511	/Dec	-0.4	-0.4	393.929
Mat_IGT-D_High	130	20	36	0	466	46.4	414.923	/Dec	-0.4	-0.4	413.263

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-D_High	140	20	37.5	0	436	47.2	429.626	/Dec	-0.4	-0.4	427.907
Mat_IGT-D_High	150	20	38.9	0	410	47.6	436.686	/Dec	-0.4	-0.4	434.939
Mat_IGT-D_High	160	20	39.9	0	390	47.7	438.3	/Dec	-0.4	-0.4	436.547
Mat_IGT-D_High	170	20	40.7	0	373	47.7	437.353	/Dec	-0.4	-0.4	435.604
Mat_IGT-D_High	180	20	41.3	0	360	47.5	434.306	/Dec	-0.4	-0.4	432.569
Mat_IGT-D_High	190	20	41.8	0	350	47.3	430.952	/Dec	-0.4	-0.4	429.228
Mat_IGT-D_High	200	20	42.2	0	341	47.1	427.821	/Dec	-0.4	-0.4	426.11
Mat_IGT-D_High	210	20	42.4	0	336	46.9	424.731	/Dec	-0.4	-0.4	423.032
Mat_IGT-D_High	220	20	42.7	0	331	46.8	422.057	/Dec	-0.4	-0.4	420.369
Mat_IGT-D_High	230	20	42.9	0	327	46.7	419.524	/Dec	-0.4	-0.4	417.846
Mat_IGT-D_High	240	20	43.1	0	324	46.5	417.118	/Dec	-0.4	-0.4	415.45
Mat_IGT-D_High	250	20	43.2	0	321	46.4	414.826	/Dec	-0.4	-0.4	413.167
Mat_IGT-D_High	260	20	43.3	0	320	46.3	412.936	/Dec	-0.4	-0.4	411.284
Mat_IGT-D_High	270	20	43.3	0	318	46.2	411.153	/Dec	-0.4	-0.4	409.508
Mat_IGT-D_High	280	20	43.3	0	317	46.2	409.458	/Dec	-0.4	-0.4	407.82
Mat_IGT-D_High	290	20	43.4	0	316	46.1	407.783	/Dec	-0.4	-0.4	406.152
Mat_IGT-D_High	300	20	43.4	0	315	46	406.141	/Dec	-0.4	-0.4	404.516
Mat_IGT-D_High	310	20	43.4	0	314	45.9	404.729	/Dec	-0.4	-0.4	403.11
Mat_IGT-D_High	320	20	43.4	0	314	45.9	403.785	/Dec	-0.4	-0.4	402.17
Mat_IGT-D_High	330	20	43.4	0	314	45.9	402.836	/Dec	-0.4	-0.4	401.225
Mat_IGT-D_High	340	20	43.4	0	314	45.9	401.898	/Dec	-0.4	-0.4	400.29
Mat_IGT-D_High	350	20	43.4	0	314	45.9	400.97	/Dec	-0.4	-0.4	399.366
Mat_IGT-D_Low	10	12	0	0	0	0	0	/Dec	-0.1	-0.1	0
Mat_IGT-D_Low	20	12	0	0	0	0	0	/Dec	-0.1	-0.1	0
Mat_IGT-D_Low	30	12	0	0	0	0	0	/Dec	-0.1	-0.1	0
Mat_IGT-D_Low	40	12	0	0	0	0	0	/Dec	-0.1	-0.1	0

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-D_Low	50	12	17.3	0	62.2	2	6.276	/Dec	-0.1	-0.1	6.27
Mat_IGT-D_Low	60	12	20.8	0	114	3.9	14.333	/Dec	-0.1	-0.1	14.319
Mat_IGT-D_Low	70	12	21.7	0	156	5.7	24.043	/Dec	-0.1	-0.1	24.019
Mat_IGT-D_Low	80	12	22.7	0	192	7.6	35.113	/Dec	-0.1	-0.1	35.078
Mat_IGT-D_Low	90	12	23.5	0	224	9.5	47.243	/Dec	-0.1	-0.1	47.196
Mat_IGT-D_Low	100	12	24.4	0	251	11.4	59.604	/Dec	-0.1	-0.1	59.544
Mat_IGT-D_Low	110	12	25.2	0	273	13.1	71.662	/Dec	-0.1	-0.1	71.59
Mat_IGT-D_Low	120	12	26	0	290	14.7	83.52	/Dec	-0.1	-0.1	83.436
Mat_IGT-D_Low	130	12	26.7	0	302	16	94.115	/Dec	-0.1	-0.1	94.021
Mat_IGT-D_Low	140	12	27.4	0	309	17.1	103.402	/Dec	-0.1	-0.1	103.299
Mat_IGT-D_Low	150	12	28.1	0	313	17.9	110.243	/Dec	-0.1	-0.1	110.133
Mat_IGT-D_Low	160	12	28.6	0	314	18.5	114.53	/Dec	-0.1	-0.1	114.415
Mat_IGT-D_Low	170	12	29.1	0	313	18.8	117.38	/Dec	-0.1	-0.1	117.263
Mat_IGT-D_Low	180	12	29.4	0	311	19.1	119.146	/Dec	-0.1	-0.1	119.027
Mat_IGT-D_Low	190	12	29.8	0	309	19.3	120.214	/Dec	-0.1	-0.1	120.094
Mat_IGT-D_Low	200	12	30.1	0	307	19.5	121.023	/Dec	-0.1	-0.1	120.902
Mat_IGT-D_Low	210	12	30.4	0	306	19.6	121.21	/Dec	-0.1	-0.1	121.089
Mat_IGT-D_Low	220	12	30.6	0	304	19.8	121.491	/Dec	-0.1	-0.1	121.37
Mat_IGT-D_Low	230	12	30.8	0	303	20	121.728	/Dec	-0.1	-0.1	121.606
Mat_IGT-D_Low	240	12	31.1	0	302	20.1	121.907	/Dec	-0.1	-0.1	121.785
Mat_IGT-D_Low	250	12	31.3	0	300	20.2	122.038	/Dec	-0.1	-0.1	121.916
Mat_IGT-D_Low	260	12	31.5	0	299	20.4	122.137	/Dec	-0.1	-0.1	122.015
Mat_IGT-D_Low	270	12	31.7	0	298	20.5	122.207	/Dec	-0.1	-0.1	122.085
Mat_IGT-D_Low	280	12	31.9	0	296	20.6	122.248	/Dec	-0.1	-0.1	122.126
Mat_IGT-D_Low	290	12	32.1	0	295	20.7	122.268	/Dec	-0.1	-0.1	122.146
Mat_IGT-D_Low	300	12	32.2	0	294	20.8	122.248	/Dec	-0.1	-0.1	122.126

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-D_Low	310	12	32.4	0	292	20.9	122.218	/Dec	-0.1	-0.1	122.096
Mat_IGT-D_Low	320	12	32.4	0	292	20.9	121.866	/Dec	-0.1	-0.1	121.744
Mat_IGT-D_Low	330	12	32.4	0	292	20.9	121.445	/Dec	-0.1	-0.1	121.324
Mat_IGT-D_Low	340	12	32.4	0	292	20.9	121.023	/Dec	-0.1	-0.1	120.902
Mat_IGT-D_Low	350	12	32.4	0	292	20.9	120.597	/Dec	-0.1	-0.1	120.476
Mat_IGT-D_Med	10	16	0	0	0	0	0	/Dec	-0.4	-0.4	0
Mat_IGT-D_Med	20	16	0	0	0	0	0	/Dec	-0.4	-0.4	0
Mat_IGT-D_Med	30	16	1.58	0	2.6	0.1	0.219	/Dec	-0.4	-0.4	0.218
Mat_IGT-D_Med	40	16	19.1	0	89.7	2.8	10.035	/Dec	-0.4	-0.4	9.995
Mat_IGT-D_Med	50	16	20.9	0	178	6.1	27.177	/Dec	-0.4	-0.4	27.068
Mat_IGT-D_Med	60	16	21.9	0	262	9.9	51.256	/Dec	-0.4	-0.4	51.051
Mat_IGT-D_Med	70	16	22.9	0	336	13.9	79.9	/Dec	-0.4	-0.4	79.58
Mat_IGT-D_Med	80	16	23.9	0	392	17.7	110.306	/Dec	-0.4	-0.4	109.865
Mat_IGT-D_Med	90	16	24.9	0	431	21.1	140.185	/Dec	-0.4	-0.4	139.624
Mat_IGT-D_Med	100	16	25.9	0	456	24.1	168.046	/Dec	-0.4	-0.4	167.374
Mat_IGT-D_Med	110	16	26.9	0	467	26.6	193.072	/Dec	-0.4	-0.4	192.3
Mat_IGT-D_Med	120	16	27.9	0	469	28.7	214.947	/Dec	-0.4	-0.4	214.087
Mat_IGT-D_Med	130	16	28.8	0	464	30.4	233.458	/Dec	-0.4	-0.4	232.524
Mat_IGT-D_Med	140	16	29.8	0	456	31.7	248.618	/Dec	-0.4	-0.4	247.624
Mat_IGT-D_Med	150	16	30.6	0	445	32.6	258.624	/Dec	-0.4	-0.4	257.59
Mat_IGT-D_Med	160	16	31.2	0	434	33.1	263.801	/Dec	-0.4	-0.4	262.746
Mat_IGT-D_Med	170	16	31.8	0	423	33.4	266.092	/Dec	-0.4	-0.4	265.028
Mat_IGT-D_Med	180	16	32.5	0	413	33.6	266.803	/Dec	-0.4	-0.4	265.736
Mat_IGT-D_Med	190	16	32.9	0	403	33.6	266.419	/Dec	-0.4	-0.4	265.353
Mat_IGT-D_Med	200	16	33.3	0	395	33.7	265.895	/Dec	-0.4	-0.4	264.831
Mat_IGT-D_Med	210	16	33.6	0	388	33.7	264.905	/Dec	-0.4	-0.4	263.845

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-D_Med	220	16	33.9	0	382	33.8	264.158	/Dec	-0.4	-0.4	263.101
Mat_IGT-D_Med	230	16	34.2	0	377	33.9	263.448	/Dec	-0.4	-0.4	262.394
Mat_IGT-D_Med	240	16	34.5	0	371	33.9	262.711	/Dec	-0.4	-0.4	261.66
Mat_IGT-D_Med	250	16	34.7	0	366	34	261.965	/Dec	-0.4	-0.4	260.917
Mat_IGT-D_Med	260	16	35	0	362	34	261.227	/Dec	-0.4	-0.4	260.182
Mat_IGT-D_Med	270	16	35.2	0	357	34.1	260.465	/Dec	-0.4	-0.4	259.423
Mat_IGT-D_Med	280	16	35.4	0	353	34.1	259.68	/Dec	-0.4	-0.4	258.641
Mat_IGT-D_Med	290	16	35.7	0	349	34.1	258.888	/Dec	-0.4	-0.4	257.852
Mat_IGT-D_Med	300	16	35.9	0	345	34.2	258.087	/Dec	-0.4	-0.4	257.055
Mat_IGT-D_Med	310	16	36	0	342	34.2	257.321	/Dec	-0.4	-0.4	256.292
Mat_IGT-D_Med	320	16	36	0	342	34.2	256.599	/Dec	-0.4	-0.4	255.573
Mat_IGT-D_Med	330	16	36	0	342	34.2	255.866	/Dec	-0.4	-0.4	254.843
Mat_IGT-D_Med	340	16	36	0	342	34.2	255.136	/Dec	-0.4	-0.4	254.115
Mat_IGT-D_Med	350	16	36	0	342	34.2	254.402	/Dec	-0.4	-0.4	253.384
Mat_IGT-D_Poor	10	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-D_Poor	20	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-D_Poor	30	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-D_Poor	40	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-D_Poor	50	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-D_Poor	60	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-D_Poor	70	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-D_Poor	80	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-D_Poor	90	7	20.3	0	91	3	7.3	/Dec	0	0	7.3
Mat_IGT-D_Poor	100	7	20.5	0	167	5.5	15.3	/Dec	0	0	15.3
Mat_IGT-D_Poor	110	7	21.1	0	207	7.2	21.1	/Dec	0	0	21.1
Mat_IGT-D_Poor	120	7	21.7	0	246	9.1	27.6	/Dec	0	0	27.6

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-D_Poor	130	7	22.3	0	277	10.8	34	/Dec	0	0	34
Mat_IGT-D_Poor	140	7	22.7	0	300	12.2	39.6	/Dec	0	0	39.6
Mat_IGT-D_Poor	150	7	23.1	0	312	13.1	43.9	/Dec	0	0	43.9
Mat_IGT-D_Poor	160	7	23.4	0	317	13.6	46.5	/Dec	0	0	46.5
Mat_IGT-D_Poor	170	7	23.6	0	316	13.8	47.8	/Dec	0	0	47.8
Mat_IGT-D_Poor	180	7	23.7	0	314	13.9	48.6	/Dec	0	0	48.6
Mat_IGT-D_Poor	190	7	23.9	0	313	14	49.2	/Dec	0	0	49.2
Mat_IGT-D_Poor	200	7	24	0	313	14.1	49.7	/Dec	0	0	49.7
Mat_IGT-D_Poor	210	7	24	0	312	14.2	49.6	/Dec	0	0	49.6
Mat_IGT-D_Poor	220	7	24.1	0	313	14.3	49.8	/Dec	0	0	49.8
Mat_IGT-D_Poor	230	7	24.2	0	314	14.4	50	/Dec	0	0	50
Mat_IGT-D_Poor	240	7	24.3	0	315	14.6	50.1	/Dec	0	0	50.1
Mat_IGT-D_Poor	250	7	24.4	0	316	14.7	50.3	/Dec	0	0	50.3
Mat_IGT-D_Poor	260	7	24.4	0	317	14.8	50.4	/Dec	0	0	50.4
Mat_IGT-D_Poor	270	7	24.5	0	317	15	50.5	/Dec	0	0	50.5
Mat_IGT-D_Poor	280	7	24.6	0	318	15.1	50.6	/Dec	0	0	50.6
Mat_IGT-D_Poor	290	7	24.6	0	319	15.2	50.7	/Dec	0	0	50.7
Mat_IGT-D_Poor	300	7	24.7	0	319	15.3	50.7	/Dec	0	0	50.7
Mat_IGT-D_Poor	310	7	24.8	0	320	15.4	50.8	/Dec	0	0	50.8
Mat_IGT-D_Poor	320	7	24.8	0	320	15.5	50.7	/Dec	0	0	50.7
Mat_IGT-D_Poor	330	7	24.8	0	320	15.5	50.5	/Dec	0	0	50.5
Mat_IGT-D_Poor	340	7	24.8	0	320	15.5	50.3	/Dec	0	0	50.3
Mat_IGT-D_Poor	350	7	24.8	0	320	15.5	50.1	/Dec	0	0	50.1
Mat_IGT-H_High	10	15	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_High	20	15	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_High	30	15	0	0	0	0	0	/Dec	0	0	0

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-H_High	40	15	0.64	0	1.3	0	0.16	/Dec	0	0	0.16
Mat_IGT-H_High	50	15	19.4	0	122	3.6	14.421	/Dec	0	0	14.421
Mat_IGT-H_High	60	15	20.7	0	231	7.6	38.523	/Dec	0	0	38.523
Mat_IGT-H_High	70	15	22.2	0	321	12.2	71.178	/Dec	0	0	71.178
Mat_IGT-H_High	80	15	23.5	0	394	16.7	106.429	/Dec	0	0	106.429
Mat_IGT-H_High	90	15	24.7	0	438	20.7	142.265	/Dec	0	0	142.265
Mat_IGT-H_High	100	15	25.8	0	464	24	175.359	/Dec	0	0	175.359
Mat_IGT-H_High	110	15	26.8	0	480	26.8	204.188	/Dec	0	0	204.188
Mat_IGT-H_High	120	15	27.6	0	490	29.1	227.103	/Dec	0	0	227.103
Mat_IGT-H_High	130	15	28.3	0	493	30.9	244.663	/Dec	0	0	244.663
Mat_IGT-H_High	140	15	29.1	0	489	32.3	261.768	/Dec	0	0	261.768
Mat_IGT-H_High	150	15	29.7	0	483	33.3	275.732	/Dec	0	0	275.732
Mat_IGT-H_High	160	15	30.2	0	476	33.9	285.335	/Dec	0	0	285.335
Mat_IGT-H_High	170	15	30.5	0	470	34.2	291.584	/Dec	0	0	291.584
Mat_IGT-H_High	180	15	30.8	0	465	34.5	295.854	/Dec	0	0	295.854
Mat_IGT-H_High	190	15	31	0	461	34.6	298.827	/Dec	0	0	298.827
Mat_IGT-H_High	200	15	31.2	0	458	34.8	300.909	/Dec	0	0	300.909
Mat_IGT-H_High	210	15	31.2	0	457	34.9	300.343	/Dec	0	0	300.343
Mat_IGT-H_High	220	15	31.3	0	456	35	299.946	/Dec	0	0	299.946
Mat_IGT-H_High	230	15	31.3	0	455	35.1	299.612	/Dec	0	0	299.612
Mat_IGT-H_High	240	15	31.4	0	455	35.1	299.222	/Dec	0	0	299.222
Mat_IGT-H_High	250	15	31.5	0	454	35.2	298.878	/Dec	0	0	298.878
Mat_IGT-H_High	260	15	31.6	0	454	35.3	298.521	/Dec	0	0	298.521
Mat_IGT-H_High	270	15	31.6	0	453	35.4	298.2	/Dec	0	0	298.2
Mat_IGT-H_High	280	15	31.6	0	453	35.4	297.847	/Dec	0	0	297.847
Mat_IGT-H_High	290	15	31.7	0	452	35.5	297.488	/Dec	0	0	297.488

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-H_High	300	15	31.7	0	452	35.5	297.168	/Dec	0	0	297.168
Mat_IGT-H_High	310	15	31.7	0	452	35.6	296.797	/Dec	0	0	296.797
Mat_IGT-H_High	320	15	31.7	0	452	35.6	296.289	/Dec	0	0	296.289
Mat_IGT-H_High	330	15	31.7	0	452	35.6	295.699	/Dec	0	0	295.699
Mat_IGT-H_High	340	15	31.7	0	452	35.6	295.093	/Dec	0	0	295.093
Mat_IGT-H_High	350	15	31.7	0	452	35.6	294.521	/Dec	0	0	294.521
Mat_IGT-H_Low	10	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_Low	20	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_Low	30	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_Low	40	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_Low	50	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_Low	60	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_Low	70	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_Low	80	7	8.59	0	18.1	0.6	1.812	/Dec	0	0	1.812
Mat_IGT-H_Low	90	7	12.8	0	51.3	1.6	5.784	/Dec	0	0	5.784
Mat_IGT-H_Low	100	7	17.8	0	121	3.7	14.204	/Dec	0	0	14.204
Mat_IGT-H_Low	110	7	20.5	0	170	5.5	23.586	/Dec	0	0	23.586
Mat_IGT-H_Low	120	7	21.2	0	211	7.3	34.452	/Dec	0	0	34.452
Mat_IGT-H_Low	130	7	21.9	0	246	9	45.993	/Dec	0	0	45.993
Mat_IGT-H_Low	140	7	22.5	0	274	10.6	57.667	/Dec	0	0	57.667
Mat_IGT-H_Low	150	7	23.1	0	296	12.1	68.438	/Dec	0	0	68.438
Mat_IGT-H_Low	160	7	23.5	0	312	13.2	76.337	/Dec	0	0	76.337
Mat_IGT-H_Low	170	7	23.8	0	325	14	82.296	/Dec	0	0	82.296
Mat_IGT-H_Low	180	7	24	0	332	14.6	85.904	/Dec	0	0	85.904
Mat_IGT-H_Low	190	7	24.2	0	336	15	88.322	/Dec	0	0	88.322
Mat_IGT-H_Low	200	7	24.4	0	337	15.3	89.562	/Dec	0	0	89.562

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-H_Low	210	7	24.5	0	338	15.4	89.906	/Dec	0	0	89.906
Mat_IGT-H_Low	220	7	24.5	0	338	15.6	90.156	/Dec	0	0	90.156
Mat_IGT-H_Low	230	7	24.6	0	339	15.7	90.343	/Dec	0	0	90.343
Mat_IGT-H_Low	240	7	24.6	0	339	15.8	90.49	/Dec	0	0	90.49
Mat_IGT-H_Low	250	7	24.7	0	340	15.9	90.628	/Dec	0	0	90.628
Mat_IGT-H_Low	260	7	24.7	0	340	16	90.764	/Dec	0	0	90.764
Mat_IGT-H_Low	270	7	24.8	0	341	16.1	90.896	/Dec	0	0	90.896
Mat_IGT-H_Low	280	7	24.9	0	341	16.1	90.986	/Dec	0	0	90.986
Mat_IGT-H_Low	290	7	24.9	0	341	16.2	91.098	/Dec	0	0	91.098
Mat_IGT-H_Low	300	7	24.9	0	342	16.3	91.207	/Dec	0	0	91.207
Mat_IGT-H_Low	310	7	25	0	342	16.4	91.267	/Dec	0	0	91.267
Mat_IGT-H_Low	320	7	25	0	343	16.4	91.359	/Dec	0	0	91.359
Mat_IGT-H_Low	330	7	25	0	343	16.5	91.171	/Dec	0	0	91.171
Mat_IGT-H_Low	340	7	25	0	343	16.5	90.94	/Dec	0	0	90.94
Mat_IGT-H_Low	350	7	25	0	343	16.5	90.703	/Dec	0	0	90.703
Mat_IGT-H_Med	10	10	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_Med	20	10	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_Med	30	10	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_Med	40	10	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_Med	50	10	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-H_Med	60	10	5.86	0	30.1	0.9	3.49	/Dec	0	0	3.49
Mat_IGT-H_Med	70	10	14.3	0	94.7	2.9	12.443	/Dec	0	0	12.443
Mat_IGT-H_Med	80	10	20.1	0	164	5.4	26.042	/Dec	0	0	26.042
Mat_IGT-H_Med	90	10	21	0	221	8	42.463	/Dec	0	0	42.463
Mat_IGT-H_Med	100	10	22	0	267	10.5	60.667	/Dec	0	0	60.667
Mat_IGT-H_Med	110	10	23	0	302	12.9	79.71	/Dec	0	0	79.71

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-H_Med	120	10	24	0	332	15.3	99.742	/Dec	0	0	99.742
Mat_IGT-H_Med	130	10	24.8	0	351	17.2	117.211	/Dec	0	0	117.211
Mat_IGT-H_Med	140	10	25.6	0	364	19	134.152	/Dec	0	0	134.152
Mat_IGT-H_Med	150	10	26.2	0	373	20.4	147.145	/Dec	0	0	147.145
Mat_IGT-H_Med	160	10	26.7	0	378	21.4	156.482	/Dec	0	0	156.482
Mat_IGT-H_Med	170	10	27	0	382	22.1	163.436	/Dec	0	0	163.436
Mat_IGT-H_Med	180	10	27.3	0	384	22.7	168.314	/Dec	0	0	168.314
Mat_IGT-H_Med	190	10	27.5	0	385	23	171.388	/Dec	0	0	171.388
Mat_IGT-H_Med	200	10	27.7	0	385	23.3	173.124	/Dec	0	0	173.124
Mat_IGT-H_Med	210	10	27.7	0	385	23.4	172.986	/Dec	0	0	172.986
Mat_IGT-H_Med	220	10	27.8	0	384	23.5	172.659	/Dec	0	0	172.659
Mat_IGT-H_Med	230	10	27.9	0	384	23.5	172.39	/Dec	0	0	172.39
Mat_IGT-H_Med	240	10	27.9	0	383	23.6	172.119	/Dec	0	0	172.119
Mat_IGT-H_Med	250	10	28	0	383	23.7	171.87	/Dec	0	0	171.87
Mat_IGT-H_Med	260	10	28	0	382	23.8	171.66	/Dec	0	0	171.66
Mat_IGT-H_Med	270	10	28.1	0	382	23.8	171.422	/Dec	0	0	171.422
Mat_IGT-H_Med	280	10	28.1	0	382	23.9	171.227	/Dec	0	0	171.227
Mat_IGT-H_Med	290	10	28.2	0	381	23.9	171.015	/Dec	0	0	171.015
Mat_IGT-H_Med	300	10	28.2	0	381	24	170.786	/Dec	0	0	170.786
Mat_IGT-H_Med	310	10	28.3	0	381	24	170.59	/Dec	0	0	170.59
Mat_IGT-H_Med	320	10	28.3	0	381	24.1	170.352	/Dec	0	0	170.352
Mat_IGT-H_Med	330	10	28.3	0	381	24.1	169.939	/Dec	0	0	169.939
Mat_IGT-H_Med	340	10	28.3	0	381	24.1	169.556	/Dec	0	0	169.556
Mat_IGT-H_Med	350	10	28.3	0	381	24.1	169.205	/Dec	0	0	169.205
Mat_IGT-I_High	10	17	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-I_High	20	17	0	0	0	0	0	/Dec	0	0	0

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-I_High	30	17	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-I_High	40	17	9.84	0	18	0.6	2.304	/Dec	0	0	2.304
Mat_IGT-I_High	50	17	18.6	0	83	3.2	14.915	/Dec	0	0	14.915
Mat_IGT-I_High	60	17	22.6	0	182	7.6	41.127	/Dec	0	0	41.127
Mat_IGT-I_High	70	17	24.3	0	267	12.4	75.353	/Dec	0	0	75.353
Mat_IGT-I_High	80	17	25.8	0	321	16.4	110.37	/Dec	0	0	110.37
Mat_IGT-I_High	90	17	27.2	0	350	19.4	142.857	/Dec	0	0	142.857
Mat_IGT-I_High	100	17	28.5	0	362	21.7	170.929	/Dec	0	0	170.929
Mat_IGT-I_High	110	17	29.7	0	365	23.5	195.732	/Dec	0	0	195.732
Mat_IGT-I_High	120	17	30.9	0	363	24.8	217.686	/Dec	0	0	217.686
Mat_IGT-I_High	130	17	32	0	358	25.9	236.841	/Dec	0	0	236.841
Mat_IGT-I_High	140	17	32.8	0	352	26.7	252.078	/Dec	0	0	252.078
Mat_IGT-I_High	150	17	33.5	0	344	27.2	260.888	/Dec	0	0	260.888
Mat_IGT-I_High	160	17	34	0	336	27.4	264.384	/Dec	0	0	264.384
Mat_IGT-I_High	170	17	34.3	0	328	27.3	265.038	/Dec	0	0	265.038
Mat_IGT-I_High	180	17	34.4	0	321	27.1	264.284	/Dec	0	0	264.284
Mat_IGT-I_High	190	17	34.6	0	315	26.9	262.495	/Dec	0	0	262.495
Mat_IGT-I_High	200	17	34.7	0	309	26.6	260.136	/Dec	0	0	260.136
Mat_IGT-I_High	210	17	34.7	0	304	26.3	256.595	/Dec	0	0	256.595
Mat_IGT-I_High	220	17	34.8	0	299	26	253.348	/Dec	0	0	253.348
Mat_IGT-I_High	230	17	34.9	0	294	25.7	250.245	/Dec	0	0	250.245
Mat_IGT-I_High	240	17	34.9	0	290	25.5	247.351	/Dec	0	0	247.351
Mat_IGT-I_High	250	17	35	0	286	25.2	244.535	/Dec	0	0	244.535
Mat_IGT-I_High	260	17	35	0	282	25	241.865	/Dec	0	0	241.865
Mat_IGT-I_High	270	17	35.1	0	279	24.8	239.289	/Dec	0	0	239.289
Mat_IGT-I_High	280	17	35.1	0	275	24.5	236.816	/Dec	0	0	236.816

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-I_High	290	17	35.2	0	272	24.3	234.665	/Dec	0	0	234.665
Mat_IGT-I_High	300	17	35.3	0	269	24.2	232.587	/Dec	0	0	232.587
Mat_IGT-I_High	310	17	35.3	0	266	24	230.605	/Dec	0	0	230.605
Mat_IGT-I_High	320	17	35.3	0	265	23.9	229.504	/Dec	0	0	229.504
Mat_IGT-I_High	330	17	35.3	0	265	23.9	229.15	/Dec	0	0	229.15
Mat_IGT-I_High	340	17	35.3	0	265	23.9	228.728	/Dec	0	0	228.728
Mat_IGT-I_High	350	17	35.3	0	265	23.9	228.365	/Dec	0	0	228.365
Mat_IGT-I_Med	10	11	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-I_Med	20	11	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-I_Med	30	11	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-I_Med	40	11	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-I_Med	50	11	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-I_Med	60	11	16.3	0	76.4	2.4	8.164	/Dec	0	0	8.164
Mat_IGT-I_Med	70	11	20.7	0	140	4.8	19.381	/Dec	0	0	19.381
Mat_IGT-I_Med	80	11	21.8	0	214	8.1	37.269	/Dec	0	0	37.269
Mat_IGT-I_Med	90	11	22.7	0	288	11.7	60.61	/Dec	0	0	60.61
Mat_IGT-I_Med	100	11	23.5	0	352	15.1	86.887	/Dec	0	0	86.887
Mat_IGT-I_Med	110	11	24.2	0	400	18.3	113.704	/Dec	0	0	113.704
Mat_IGT-I_Med	120	11	24.9	0	435	20.9	139.313	/Dec	0	0	139.313
Mat_IGT-I_Med	130	11	25.6	0	456	23.1	162.564	/Dec	0	0	162.564
Mat_IGT-I_Med	140	11	26.3	0	466	24.8	182.813	/Dec	0	0	182.813
Mat_IGT-I_Med	150	11	26.8	0	466	25.9	195.379	/Dec	0	0	195.379
Mat_IGT-I_Med	160	11	27.3	0	460	26.4	199.592	/Dec	0	0	199.592
Mat_IGT-I_Med	170	11	27.7	0	451	26.6	201.071	/Dec	0	0	201.071
Mat_IGT-I_Med	180	11	27.9	0	442	26.5	201.036	/Dec	0	0	201.036
Mat_IGT-I_Med	190	11	28.2	0	433	26.4	200.14	/Dec	0	0	200.14

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-I_Med	200	11	28.3	0	425	26.2	198.836	/Dec	0	0	198.836
Mat_IGT-I_Med	210	11	28.4	0	418	25.9	196.204	/Dec	0	0	196.204
Mat_IGT-I_Med	220	11	28.4	0	411	25.7	193.963	/Dec	0	0	193.963
Mat_IGT-I_Med	230	11	28.5	0	406	25.4	191.998	/Dec	0	0	191.998
Mat_IGT-I_Med	240	11	28.5	0	401	25.2	190.292	/Dec	0	0	190.292
Mat_IGT-I_Med	250	11	28.6	0	397	25	188.669	/Dec	0	0	188.669
Mat_IGT-I_Med	260	11	28.7	0	392	24.9	187.079	/Dec	0	0	187.079
Mat_IGT-I_Med	270	11	28.7	0	388	24.7	185.604	/Dec	0	0	185.604
Mat_IGT-I_Med	280	11	28.7	0	384	24.5	184.163	/Dec	0	0	184.163
Mat_IGT-I_Med	290	11	28.8	0	381	24.4	182.937	/Dec	0	0	182.937
Mat_IGT-I_Med	300	11	28.8	0	377	24.2	181.733	/Dec	0	0	181.733
Mat_IGT-I_Med	310	11	28.9	0	374	24.1	180.607	/Dec	0	0	180.607
Mat_IGT-I_Med	320	11	28.9	0	372	24	179.738	/Dec	0	0	179.738
Mat_IGT-I_Med	330	11	28.9	0	372	24	179.506	/Dec	0	0	179.506
Mat_IGT-I_Med	340	11	28.9	0	372	24	179.306	/Dec	0	0	179.306
Mat_IGT-I_Med	350	11	28.9	0	372	24	179.039	/Dec	0	0	179.039
Mat_IGT-J_High	10	17	0	0	0	0	0	/Dec	-1.3	-1.3	0
Mat_IGT-J_High	20	17	0	0	0	0	0	/Dec	-1.3	-1.3	0
Mat_IGT-J_High	30	17	0	0	0	0	0	/Dec	-1.3	-1.3	0
Mat_IGT-J_High	40	17	6.91	0	37.7	1.3	5.598	/Dec	-1.3	-1.3	5.525
Mat_IGT-J_High	50	17	18.4	0	161	6.3	32.143	/Dec	-1.3	-1.3	31.725
Mat_IGT-J_High	60	17	22.7	0	308	13.8	82.247	/Dec	-1.3	-1.3	81.178
Mat_IGT-J_High	70	17	24.5	0	419	21.4	143.709	/Dec	-1.3	-1.3	141.841
Mat_IGT-J_High	80	17	26.2	0	481	27.8	204.579	/Dec	-1.3	-1.3	201.919
Mat_IGT-J_High	90	17	27.9	0	504	32.6	259.094	/Dec	-1.3	-1.3	255.726
Mat_IGT-J_High	100	17	29.5	0	503	36.1	305.612	/Dec	-1.3	-1.3	301.639

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-J_High	110	17	31.1	0	489	38.6	344.464	/Dec	-1.3	-1.3	339.986
Mat_IGT-J_High	120	17	32.6	0	470	40.4	375.018	/Dec	-1.3	-1.3	370.143
Mat_IGT-J_High	130	17	34	0	449	41.8	399.834	/Dec	-1.3	-1.3	394.636
Mat_IGT-J_High	140	17	35.3	0	428	42.7	419.935	/Dec	-1.3	-1.3	414.476
Mat_IGT-J_High	150	17	36.4	0	409	43.2	432.577	/Dec	-1.3	-1.3	426.953
Mat_IGT-J_High	160	17	37.3	0	393	43.4	437.768	/Dec	-1.3	-1.3	432.077
Mat_IGT-J_High	170	17	37.9	0	380	43.3	438.318	/Dec	-1.3	-1.3	432.62
Mat_IGT-J_High	180	17	38.4	0	369	43.1	436.408	/Dec	-1.3	-1.3	430.735
Mat_IGT-J_High	190	17	38.7	0	361	42.7	431.837	/Dec	-1.3	-1.3	426.223
Mat_IGT-J_High	200	17	38.9	0	355	42.4	427.403	/Dec	-1.3	-1.3	421.847
Mat_IGT-J_High	210	17	39.1	0	350	42.1	423.069	/Dec	-1.3	-1.3	417.569
Mat_IGT-J_High	220	17	39.2	0	346	41.9	419.65	/Dec	-1.3	-1.3	414.195
Mat_IGT-J_High	230	17	39.3	0	343	41.8	416.533	/Dec	-1.3	-1.3	411.118
Mat_IGT-J_High	240	17	39.4	0	340	41.6	413.834	/Dec	-1.3	-1.3	408.454
Mat_IGT-J_High	250	17	39.5	0	337	41.5	411.268	/Dec	-1.3	-1.3	405.922
Mat_IGT-J_High	260	17	39.5	0	335	41.3	408.957	/Dec	-1.3	-1.3	403.641
Mat_IGT-J_High	270	17	39.6	0	333	41.2	406.712	/Dec	-1.3	-1.3	401.425
Mat_IGT-J_High	280	17	39.7	0	331	41.1	404.533	/Dec	-1.3	-1.3	399.274
Mat_IGT-J_High	290	17	39.7	0	329	41	402.406	/Dec	-1.3	-1.3	397.175
Mat_IGT-J_High	300	17	39.7	0	328	40.9	400.339	/Dec	-1.3	-1.3	395.135
Mat_IGT-J_High	310	17	39.8	0	326	40.8	398.316	/Dec	-1.3	-1.3	393.138
Mat_IGT-J_High	320	17	39.8	0	325	40.7	396.929	/Dec	-1.3	-1.3	391.769
Mat_IGT-J_High	330	17	39.8	0	325	40.7	395.943	/Dec	-1.3	-1.3	390.796
Mat_IGT-J_High	340	17	39.8	0	325	40.7	394.962	/Dec	-1.3	-1.3	389.827
Mat_IGT-J_High	350	17	39.8	0	325	40.7	393.997	/Dec	-1.3	-1.3	388.875
Mat_IGT-J_Low	10	7	0	0	0	0	0	/Dec	0	0	0

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-J_Low	20	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-J_Low	30	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-J_Low	40	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-J_Low	50	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-J_Low	60	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-J_Low	70	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-J_Low	80	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-J_Low	90	7	15.7	0	53.2	1.8	6.709	/Dec	0	0	6.709
Mat_IGT-J_Low	100	7	16.7	0	118	4.4	19.746	/Dec	0	0	19.746
Mat_IGT-J_Low	110	7	21.8	0	199	8.1	40.891	/Dec	0	0	40.891
Mat_IGT-J_Low	120	7	22.7	0	272	12	67.134	/Dec	0	0	67.134
Mat_IGT-J_Low	130	7	23.7	0	328	15.6	95.234	/Dec	0	0	95.234
Mat_IGT-J_Low	140	7	24.6	0	366	18.7	122.605	/Dec	0	0	122.605
Mat_IGT-J_Low	150	7	25.4	0	387	21	144.568	/Dec	0	0	144.568
Mat_IGT-J_Low	160	7	25.9	0	396	22.5	159.765	/Dec	0	0	159.765
Mat_IGT-J_Low	170	7	26.4	0	399	23.4	170.036	/Dec	0	0	170.036
Mat_IGT-J_Low	180	7	26.7	0	400	24	176.821	/Dec	0	0	176.821
Mat_IGT-J_Low	190	7	27	0	399	24.4	181.275	/Dec	0	0	181.275
Mat_IGT-J_Low	200	7	27.2	0	398	24.7	184.034	/Dec	0	0	184.034
Mat_IGT-J_Low	210	7	27.2	0	396	24.6	183.324	/Dec	0	0	183.324
Mat_IGT-J_Low	220	7	27.3	0	395	24.6	182.614	/Dec	0	0	182.614
Mat_IGT-J_Low	230	7	27.3	0	393	24.5	181.98	/Dec	0	0	181.98
Mat_IGT-J_Low	240	7	27.3	0	392	24.5	181.347	/Dec	0	0	181.347
Mat_IGT-J_Low	250	7	27.4	0	390	24.5	180.713	/Dec	0	0	180.713
Mat_IGT-J_Low	260	7	27.4	0	389	24.5	180.079	/Dec	0	0	180.079
Mat_IGT-J_Low	270	7	27.4	0	388	24.4	179.546	/Dec	0	0	179.546

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-J_Low	280	7	27.5	0	387	24.4	178.988	/Dec	0	0	178.988
Mat_IGT-J_Low	290	7	27.5	0	385	24.4	178.507	/Dec	0	0	178.507
Mat_IGT-J_Low	300	7	27.5	0	384	24.3	177.973	/Dec	0	0	177.973
Mat_IGT-J_Low	310	7	27.6	0	383	24.3	177.492	/Dec	0	0	177.492
Mat_IGT-J_Low	320	7	27.6	0	382	24.3	177.011	/Dec	0	0	177.011
Mat_IGT-J_Low	330	7	27.6	0	381	24.3	176.553	/Dec	0	0	176.553
Mat_IGT-J_Low	340	7	27.6	0	380	24.2	176.072	/Dec	0	0	176.072
Mat_IGT-J_Low	350	7	27.6	0	379	24.2	175.591	/Dec	0	0	175.591
Mat_IGT-J_Med	10	10	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-J_Med	20	10	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-J_Med	30	10	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-J_Med	40	10	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-J_Med	50	10	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-J_Med	60	10	8.18	0	23.3	0.7	2.324	/Dec	0	0	2.324
Mat_IGT-J_Med	70	10	16.4	0	94.1	3	12.624	/Dec	0	0	12.624
Mat_IGT-J_Med	80	10	20.5	0	185	6.6	32.172	/Dec	0	0	32.172
Mat_IGT-J_Med	90	10	21.9	0	270	10.7	58.539	/Dec	0	0	58.539
Mat_IGT-J_Med	100	10	22.9	0	340	14.7	88.434	/Dec	0	0	88.434
Mat_IGT-J_Med	110	10	23.9	0	392	18.3	118.823	/Dec	0	0	118.823
Mat_IGT-J_Med	120	10	24.8	0	428	21.4	147.751	/Dec	0	0	147.751
Mat_IGT-J_Med	130	10	25.6	0	450	23.9	174.19	/Dec	0	0	174.19
Mat_IGT-J_Med	140	10	26.4	0	462	26	197.692	/Dec	0	0	197.692
Mat_IGT-J_Med	150	10	27	0	466	27.4	215.186	/Dec	0	0	215.186
Mat_IGT-J_Med	160	10	27.5	0	466	28.4	224.809	/Dec	0	0	224.809
Mat_IGT-J_Med	170	10	27.9	0	464	28.9	230.232	/Dec	0	0	230.232
Mat_IGT-J_Med	180	10	28.2	0	460	29.3	232.499	/Dec	0	0	232.499

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-J_Med	190	10	28.3	0	456	29.4	233.015	/Dec	0	0	233.015
Mat_IGT-J_Med	200	10	28.5	0	453	29.4	232.803	/Dec	0	0	232.803
Mat_IGT-J_Med	210	10	28.5	0	450	29.4	231.517	/Dec	0	0	231.517
Mat_IGT-J_Med	220	10	28.6	0	448	29.3	230.377	/Dec	0	0	230.377
Mat_IGT-J_Med	230	10	28.6	0	446	29.3	229.372	/Dec	0	0	229.372
Mat_IGT-J_Med	240	10	28.7	0	444	29.2	228.451	/Dec	0	0	228.451
Mat_IGT-J_Med	250	10	28.7	0	442	29.2	227.741	/Dec	0	0	227.741
Mat_IGT-J_Med	260	10	28.8	0	441	29.2	227.157	/Dec	0	0	227.157
Mat_IGT-J_Med	270	10	28.8	0	439	29.1	226.587	/Dec	0	0	226.587
Mat_IGT-J_Med	280	10	28.8	0	438	29.1	226.011	/Dec	0	0	226.011
Mat_IGT-J_Med	290	10	28.9	0	437	29.1	225.447	/Dec	0	0	225.447
Mat_IGT-J_Med	300	10	28.9	0	435	29.1	224.913	/Dec	0	0	224.913
Mat_IGT-J_Med	310	10	28.9	0	434	29.1	224.389	/Dec	0	0	224.389
Mat_IGT-J_Med	320	10	29	0	433	29.1	223.911	/Dec	0	0	223.911
Mat_IGT-J_Med	330	10	29	0	433	29.1	223.575	/Dec	0	0	223.575
Mat_IGT-J_Med	340	10	29	0	433	29.1	223.238	/Dec	0	0	223.238
Mat_IGT-J_Med	350	10	29	0	433	29.1	222.897	/Dec	0	0	222.897
Mat_IGT-K_High	10	20	0	0	0	0	0	/Dec	-3.4	-3.4	0
Mat_IGT-K_High	20	20	0	0	0	0	0	/Dec	-3.4	-3.4	0
Mat_IGT-K_High	30	20	0	0	0	0	0	/Dec	-3.4	-3.4	0
Mat_IGT-K_High	40	20	15	0	171	4.7	21.135	/Dec	-3.4	-3.4	20.416
Mat_IGT-K_High	50	20	20.7	0	395	14.1	81.789	/Dec	-3.4	-3.4	79.008
Mat_IGT-K_High	60	20	23.3	0	535	23.9	163.526	/Dec	-3.4	-3.4	157.966
Mat_IGT-K_High	70	20	25.6	0	599	31.7	244.964	/Dec	-3.4	-3.4	236.635
Mat_IGT-K_High	80	20	27.7	0	607	37.1	316.232	/Dec	-3.4	-3.4	305.48
Mat_IGT-K_High	90	20	29.6	0	591	40.9	376.66	/Dec	-3.4	-3.4	363.854

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-K_High	100	20	31.6	0	566	43.7	427.244	/Dec	-3.4	-3.4	412.718
Mat_IGT-K_High	110	20	33	0	544	45.7	468.623	/Dec	-3.4	-3.4	452.69
Mat_IGT-K_High	120	20	34.3	0	522	47	502.233	/Dec	-3.4	-3.4	485.157
Mat_IGT-K_High	130	20	35.4	0	502	48.1	528.903	/Dec	-3.4	-3.4	510.92
Mat_IGT-K_High	140	20	36.2	0	487	48.7	550.001	/Dec	-3.4	-3.4	531.301
Mat_IGT-K_High	150	20	36.8	0	473	49	564.058	/Dec	-3.4	-3.4	544.88
Mat_IGT-K_High	160	20	37.2	0	462	49	570.404	/Dec	-3.4	-3.4	551.01
Mat_IGT-K_High	170	20	37.5	0	453	48.6	570.96	/Dec	-3.4	-3.4	551.547
Mat_IGT-K_High	180	20	37.7	0	445	48.3	569.096	/Dec	-3.4	-3.4	549.747
Mat_IGT-K_High	190	20	37.8	0	439	47.9	566.039	/Dec	-3.4	-3.4	546.794
Mat_IGT-K_High	200	20	37.9	0	433	47.6	562.414	/Dec	-3.4	-3.4	543.292
Mat_IGT-K_High	210	20	38	0	428	47.3	556.342	/Dec	-3.4	-3.4	537.426
Mat_IGT-K_High	220	20	38.1	0	424	47	551.063	/Dec	-3.4	-3.4	532.327
Mat_IGT-K_High	230	20	38.1	0	421	46.8	546.043	/Dec	-3.4	-3.4	527.478
Mat_IGT-K_High	240	20	38.1	0	418	46.5	541.201	/Dec	-3.4	-3.4	522.8
Mat_IGT-K_High	250	20	38.2	0	415	46.3	536.523	/Dec	-3.4	-3.4	518.281
Mat_IGT-K_High	260	20	38.2	0	412	46.1	531.999	/Dec	-3.4	-3.4	513.911
Mat_IGT-K_High	270	20	38.3	0	409	45.9	527.618	/Dec	-3.4	-3.4	509.679
Mat_IGT-K_High	280	20	38.3	0	407	45.7	523.367	/Dec	-3.4	-3.4	505.573
Mat_IGT-K_High	290	20	38.3	0	404	45.5	519.236	/Dec	-3.4	-3.4	501.582
Mat_IGT-K_High	300	20	38.4	0	402	45.3	515.196	/Dec	-3.4	-3.4	497.679
Mat_IGT-K_High	310	20	38.4	0	399	45.1	511.3	/Dec	-3.4	-3.4	493.916
Mat_IGT-K_High	320	20	38.4	0	399	45.1	508.841	/Dec	-3.4	-3.4	491.54
Mat_IGT-K_High	330	20	38.4	0	399	45.1	506.959	/Dec	-3.4	-3.4	489.722
Mat_IGT-K_High	340	20	38.4	0	399	45.1	505.097	/Dec	-3.4	-3.4	487.924
Mat_IGT-K_High	350	20	38.4	0	399	45.1	503.257	/Dec	-3.4	-3.4	486.146

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-K_Low	10	10	0	0	0	0	0	/Dec	-0.1	-0.1	0
Mat_IGT-K_Low	20	10	0	0	0	0	0	/Dec	-0.1	-0.1	0
Mat_IGT-K_Low	30	10	0.08	0	0.3	0	0.016	/Dec	-0.1	-0.1	0.016
Mat_IGT-K_Low	40	10	0.09	0	1.5	0	0.124	/Dec	-0.1	-0.1	0.124
Mat_IGT-K_Low	50	10	0.09	0	2.5	0.1	0.321	/Dec	-0.1	-0.1	0.321
Mat_IGT-K_Low	60	10	7.97	0	47.7	1.2	4.412	/Dec	-0.1	-0.1	4.408
Mat_IGT-K_Low	70	10	15.2	0	130	3.6	15.519	/Dec	-0.1	-0.1	15.503
Mat_IGT-K_Low	80	10	19.3	0	224	6.9	34.288	/Dec	-0.1	-0.1	34.254
Mat_IGT-K_Low	90	10	20.5	0	298	10.3	57.975	/Dec	-0.1	-0.1	57.917
Mat_IGT-K_Low	100	10	21.6	0	357	13.7	84.621	/Dec	-0.1	-0.1	84.536
Mat_IGT-K_Low	110	10	22.6	0	401	16.8	111.904	/Dec	-0.1	-0.1	111.792
Mat_IGT-K_Low	120	10	23.5	0	432	19.4	138.073	/Dec	-0.1	-0.1	137.935
Mat_IGT-K_Low	130	10	24.3	0	451	21.6	162.201	/Dec	-0.1	-0.1	162.039
Mat_IGT-K_Low	140	10	25	0	462	23.5	184.174	/Dec	-0.1	-0.1	183.99
Mat_IGT-K_Low	150	10	25.7	0	466	24.8	200.625	/Dec	-0.1	-0.1	200.424
Mat_IGT-K_Low	160	10	26.2	0	466	25.7	210.319	/Dec	-0.1	-0.1	210.109
Mat_IGT-K_Low	170	10	26.5	0	463	26.2	215.756	/Dec	-0.1	-0.1	215.54
Mat_IGT-K_Low	180	10	26.8	0	460	26.6	218.433	/Dec	-0.1	-0.1	218.215
Mat_IGT-K_Low	190	10	27	0	457	26.7	219.238	/Dec	-0.1	-0.1	219.019
Mat_IGT-K_Low	200	10	27.1	0	454	26.8	218.964	/Dec	-0.1	-0.1	218.745
Mat_IGT-K_Low	210	10	27.2	0	451	26.7	217.679	/Dec	-0.1	-0.1	217.461
Mat_IGT-K_Low	220	10	27.2	0	449	26.7	216.602	/Dec	-0.1	-0.1	216.385
Mat_IGT-K_Low	230	10	27.3	0	447	26.7	215.596	/Dec	-0.1	-0.1	215.38
Mat_IGT-K_Low	240	10	27.3	0	445	26.7	214.599	/Dec	-0.1	-0.1	214.384
Mat_IGT-K_Low	250	10	27.4	0	443	26.6	213.653	/Dec	-0.1	-0.1	213.439
Mat_IGT-K_Low	260	10	27.4	0	441	26.6	212.78	/Dec	-0.1	-0.1	212.567

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-K_Low	270	10	27.4	0	440	26.6	211.915	/Dec	-0.1	-0.1	211.703
Mat_IGT-K_Low	280	10	27.5	0	438	26.6	211.077	/Dec	-0.1	-0.1	210.866
Mat_IGT-K_Low	290	10	27.5	0	437	26.6	210.311	/Dec	-0.1	-0.1	210.101
Mat_IGT-K_Low	300	10	27.6	0	435	26.6	209.537	/Dec	-0.1	-0.1	209.327
Mat_IGT-K_Low	310	10	27.6	0	434	26.6	208.786	/Dec	-0.1	-0.1	208.577
Mat_IGT-K_Low	320	10	27.6	0	433	26.5	208.09	/Dec	-0.1	-0.1	207.882
Mat_IGT-K_Low	330	10	27.6	0	433	26.5	207.519	/Dec	-0.1	-0.1	207.311
Mat_IGT-K_Low	340	10	27.6	0	433	26.5	206.983	/Dec	-0.1	-0.1	206.776
Mat_IGT-K_Low	350	10	27.6	0	433	26.5	206.42	/Dec	-0.1	-0.1	206.214
Mat_IGT-K_Med	10	15	0	0	0	0	0	/Dec	-3.5	-3.5	0
Mat_IGT-K_Med	20	15	0	0	0	0	0	/Dec	-3.5	-3.5	0
Mat_IGT-K_Med	30	15	0.34	0	2.9	0.1	0.27	/Dec	-3.5	-3.5	0.261
Mat_IGT-K_Med	40	15	0.73	0	9.1	0.2	1.103	/Dec	-3.5	-3.5	1.064
Mat_IGT-K_Med	50	15	16.1	0	153	3.7	14.912	/Dec	-3.5	-3.5	14.39
Mat_IGT-K_Med	60	15	19.4	0	323	9.7	47.604	/Dec	-3.5	-3.5	45.938
Mat_IGT-K_Med	70	15	21.3	0	446	16.1	92.835	/Dec	-3.5	-3.5	89.586
Mat_IGT-K_Med	80	15	22.8	0	529	22	143.188	/Dec	-3.5	-3.5	138.176
Mat_IGT-K_Med	90	15	24.2	0	576	27	192.02	/Dec	-3.5	-3.5	185.299
Mat_IGT-K_Med	100	15	25.5	0	596	30.9	236.143	/Dec	-3.5	-3.5	227.878
Mat_IGT-K_Med	110	15	26.7	0	600	33.8	274.328	/Dec	-3.5	-3.5	264.727
Mat_IGT-K_Med	120	15	27.8	0	594	36.1	306.089	/Dec	-3.5	-3.5	295.376
Mat_IGT-K_Med	130	15	28.8	0	582	37.8	333.902	/Dec	-3.5	-3.5	322.215
Mat_IGT-K_Med	140	15	29.8	0	568	39.2	357.01	/Dec	-3.5	-3.5	344.515
Mat_IGT-K_Med	150	15	30.6	0	552	40.2	373.016	/Dec	-3.5	-3.5	359.96
Mat_IGT-K_Med	160	15	31.2	0	539	40.7	382.8	/Dec	-3.5	-3.5	369.402
Mat_IGT-K_Med	170	15	31.7	0	527	40.9	387.702	/Dec	-3.5	-3.5	374.132

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-K_Med	180	15	32	0	517	40.9	388.889	/Dec	-3.5	-3.5	375.278
Mat_IGT-K_Med	190	15	32.2	0	509	40.9	388.038	/Dec	-3.5	-3.5	374.457
Mat_IGT-K_Med	200	15	32.3	0	503	40.8	386.348	/Dec	-3.5	-3.5	372.826
Mat_IGT-K_Med	210	15	32.4	0	498	40.6	383.069	/Dec	-3.5	-3.5	369.662
Mat_IGT-K_Med	220	15	32.5	0	493	40.5	380.231	/Dec	-3.5	-3.5	366.923
Mat_IGT-K_Med	230	15	32.6	0	489	40.4	377.713	/Dec	-3.5	-3.5	364.493
Mat_IGT-K_Med	240	15	32.7	0	485	40.3	375.32	/Dec	-3.5	-3.5	362.184
Mat_IGT-K_Med	250	15	32.8	0	482	40.3	372.991	/Dec	-3.5	-3.5	359.936
Mat_IGT-K_Med	260	15	32.9	0	478	40.2	370.688	/Dec	-3.5	-3.5	357.714
Mat_IGT-K_Med	270	15	33	0	475	40.1	368.412	/Dec	-3.5	-3.5	355.518
Mat_IGT-K_Med	280	15	33	0	472	40	366.184	/Dec	-3.5	-3.5	353.368
Mat_IGT-K_Med	290	15	33.1	0	469	40	363.975	/Dec	-3.5	-3.5	351.236
Mat_IGT-K_Med	300	15	33.2	0	466	39.9	361.804	/Dec	-3.5	-3.5	349.141
Mat_IGT-K_Med	310	15	33.2	0	463	39.8	359.685	/Dec	-3.5	-3.5	347.096
Mat_IGT-K_Med	320	15	33.3	0	462	39.8	357.944	/Dec	-3.5	-3.5	345.416
Mat_IGT-K_Med	330	15	33.3	0	462	39.8	356.605	/Dec	-3.5	-3.5	344.124
Mat_IGT-K_Med	340	15	33.3	0	462	39.8	355.269	/Dec	-3.5	-3.5	342.835
Mat_IGT-K_Med	350	15	33.3	0	462	39.8	353.932	/Dec	-3.5	-3.5	341.544
Mat_IGT-K_Poor	10	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-K_Poor	20	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-K_Poor	30	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-K_Poor	40	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-K_Poor	50	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-K_Poor	60	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-K_Poor	70	7	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-K_Poor	80	7	0	0	0	0	0	/Dec	0	0	0

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-K_Poor	90	7	13.2	0	26.4	0.6	1.964	/Dec	0	0	1.964
Mat_IGT-K_Poor	100	7	18.5	0	68.4	1.9	6.868	/Dec	0	0	6.868
Mat_IGT-K_Poor	110	7	19.7	0	107	3.3	14.258	/Dec	0	0	14.258
Mat_IGT-K_Poor	120	7	20.9	0	144	4.9	24.052	/Dec	0	0	24.052
Mat_IGT-K_Poor	130	7	21.8	0	175	6.6	35.346	/Dec	0	0	35.346
Mat_IGT-K_Poor	140	7	22.8	0	201	8.1	47.412	/Dec	0	0	47.412
Mat_IGT-K_Poor	150	7	23.5	0	219	9.4	57.847	/Dec	0	0	57.847
Mat_IGT-K_Poor	160	7	24	0	231	10.3	65.404	/Dec	0	0	65.404
Mat_IGT-K_Poor	170	7	24.4	0	238	10.9	70.757	/Dec	0	0	70.757
Mat_IGT-K_Poor	180	7	24.6	0	240	11.3	73.97	/Dec	0	0	73.97
Mat_IGT-K_Poor	190	7	24.9	0	240	11.4	75.762	/Dec	0	0	75.762
Mat_IGT-K_Poor	200	7	25	0	239	11.6	76.999	/Dec	0	0	76.999
Mat_IGT-K_Poor	210	7	25	0	239	11.6	76.699	/Dec	0	0	76.699
Mat_IGT-K_Poor	220	7	25.1	0	238	11.6	76.523	/Dec	0	0	76.523
Mat_IGT-K_Poor	230	7	25.1	0	237	11.6	76.272	/Dec	0	0	76.272
Mat_IGT-K_Poor	240	7	25.1	0	237	11.6	76.121	/Dec	0	0	76.121
Mat_IGT-K_Poor	250	7	25.2	0	236	11.6	74.46	/Dec	0	0	74.46
Mat_IGT-K_Poor	260	7	25.3	0	235	11.6	73.025	/Dec	0	0	73.025
Mat_IGT-K_Poor	270	7	25.3	0	234	11.5	71.892	/Dec	0	0	71.892
Mat_IGT-K_Poor	280	7	25.3	0	233	11.5	70.886	/Dec	0	0	70.886
Mat_IGT-K_Poor	290	7	25.4	0	232	11.5	70.055	/Dec	0	0	70.055
Mat_IGT-K_Poor	300	7	25.4	0	232	11.5	69.451	/Dec	0	0	69.451
Mat_IGT-K_Poor	310	7	25.4	0	231	11.5	68.847	/Dec	0	0	68.847
Mat_IGT-K_Poor	320	7	25.4	0	231	11.5	68.369	/Dec	0	0	68.369
Mat_IGT-K_Poor	330	7	25.5	0	231	11.5	67.967	/Dec	0	0	67.967
Mat_IGT-K_Poor	340	7	25.5	0	231	11.5	67.641	/Dec	0	0	67.641

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-K_Poor	350	7	25.5	0	231	11.5	67.314	/Dec	0	0	67.314
Mat_IGT-M_High	10	19	0	0	0	0	0	/Dec	-0.6	-0.6	0
Mat_IGT-M_High	20	19	0.15	0	1	0	0.038	/Dec	-0.6	-0.6	0.038
Mat_IGT-M_High	30	19	14.8	0	274	5	17.308	/Dec	-0.6	-0.6	17.204
Mat_IGT-M_High	40	19	16.3	0	594	13.1	65.909	/Dec	-0.6	-0.6	65.514
Mat_IGT-M_High	50	19	18	0	800	20.7	129.451	/Dec	-0.6	-0.6	128.674
Mat_IGT-M_High	60	19	19.3	0	899	26.2	186.387	/Dec	-0.6	-0.6	185.269
Mat_IGT-M_High	70	19	20.4	0	935	30	236.512	/Dec	-0.6	-0.6	235.093
Mat_IGT-M_High	80	19	21.4	0	938	32.9	278.887	/Dec	-0.6	-0.6	277.214
Mat_IGT-M_High	90	19	22.3	0	923	35.2	314.731	/Dec	-0.6	-0.6	312.843
Mat_IGT-M_High	100	19	23.2	0	895	37	344.931	/Dec	-0.6	-0.6	342.861
Mat_IGT-M_High	110	19	24	0	860	38.4	370.175	/Dec	-0.6	-0.6	367.954
Mat_IGT-M_High	120	19	24.8	0	821	39.4	389.987	/Dec	-0.6	-0.6	387.647
Mat_IGT-M_High	130	19	25.5	0	783	40.1	404.901	/Dec	-0.6	-0.6	402.472
Mat_IGT-M_High	140	19	26.2	0	747	40.4	415.659	/Dec	-0.6	-0.6	413.165
Mat_IGT-M_High	150	19	26.7	0	716	40.5	421.879	/Dec	-0.6	-0.6	419.348
Mat_IGT-M_High	160	19	27.1	0	690	40.4	424.11	/Dec	-0.6	-0.6	421.565
Mat_IGT-M_High	170	19	27.4	0	669	40.3	424.398	/Dec	-0.6	-0.6	421.852
Mat_IGT-M_High	180	19	27.7	0	651	40.2	423.654	/Dec	-0.6	-0.6	421.112
Mat_IGT-M_High	190	19	27.9	0	638	40.1	422.36	/Dec	-0.6	-0.6	419.826
Mat_IGT-M_High	200	19	28.1	0	626	40.1	420.779	/Dec	-0.6	-0.6	418.254
Mat_IGT-M_High	210	19	28.3	0	616	40	417.855	/Dec	-0.6	-0.6	415.348
Mat_IGT-M_High	220	19	28.5	0	608	40	414.921	/Dec	-0.6	-0.6	412.431
Mat_IGT-M_High	230	19	28.6	0	600	39.9	411.961	/Dec	-0.6	-0.6	409.489
Mat_IGT-M_High	240	19	28.7	0	593	39.9	409.015	/Dec	-0.6	-0.6	406.561
Mat_IGT-M_High	250	19	28.8	0	589	39.8	406.094	/Dec	-0.6	-0.6	403.657

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-M_High	260	19	28.9	0	585	39.7	403.177	/Dec	-0.6	-0.6	400.758
Mat_IGT-M_High	270	19	28.9	0	582	39.7	400.296	/Dec	-0.6	-0.6	397.894
Mat_IGT-M_High	280	19	29	0	579	39.6	397.432	/Dec	-0.6	-0.6	395.047
Mat_IGT-M_High	290	19	29	0	576	39.5	394.538	/Dec	-0.6	-0.6	392.171
Mat_IGT-M_High	300	19	29	0	573	39.5	391.689	/Dec	-0.6	-0.6	389.339
Mat_IGT-M_High	310	19	29.1	0	572	39.4	389.181	/Dec	-0.6	-0.6	386.846
Mat_IGT-M_High	320	19	29.1	0	572	39.4	387.075	/Dec	-0.6	-0.6	384.753
Mat_IGT-M_High	330	19	29.1	0	572	39.4	384.963	/Dec	-0.6	-0.6	382.653
Mat_IGT-M_High	340	19	29.1	0	572	39.4	382.85	/Dec	-0.6	-0.6	380.553
Mat_IGT-M_High	350	19	29.1	0	572	39.4	380.724	/Dec	-0.6	-0.6	378.44
Mat_IGT-M_Low	10	11	0	0	0	0	0	/Dec	-0.2	-0.2	0
Mat_IGT-M_Low	20	11	0	0	0	0	0	/Dec	-0.2	-0.2	0
Mat_IGT-M_Low	30	11	0	0	0	0	0	/Dec	-0.2	-0.2	0
Mat_IGT-M_Low	40	11	4.39	0	52.5	0.8	1.821	/Dec	-0.2	-0.2	1.817
Mat_IGT-M_Low	50	11	9.77	0	218	3.8	10.444	/Dec	-0.2	-0.2	10.423
Mat_IGT-M_Low	60	11	13	0	438	8.1	26.578	/Dec	-0.2	-0.2	26.525
Mat_IGT-M_Low	70	11	14.9	0	630	12.4	46.478	/Dec	-0.2	-0.2	46.385
Mat_IGT-M_Low	80	11	16	0	760	15.8	66.408	/Dec	-0.2	-0.2	66.275
Mat_IGT-M_Low	90	11	16.6	0	853	18.7	85.976	/Dec	-0.2	-0.2	85.804
Mat_IGT-M_Low	100	11	17.1	0	911	21.1	104.283	/Dec	-0.2	-0.2	104.074
Mat_IGT-M_Low	110	11	17.6	0	946	23.1	120.916	/Dec	-0.2	-0.2	120.674
Mat_IGT-M_Low	120	11	18.1	0	966	24.8	135.59	/Dec	-0.2	-0.2	135.319
Mat_IGT-M_Low	130	11	18.6	0	976	26.3	148.789	/Dec	-0.2	-0.2	148.491
Mat_IGT-M_Low	140	11	19	0	983	27.5	160.59	/Dec	-0.2	-0.2	160.269
Mat_IGT-M_Low	150	11	19.3	0	986	28.5	169.856	/Dec	-0.2	-0.2	169.516
Mat_IGT-M_Low	160	11	19.5	0	989	29.2	176.353	/Dec	-0.2	-0.2	176

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-M_Low	170	11	19.7	0	991	29.8	180.843	/Dec	-0.2	-0.2	180.481
Mat_IGT-M_Low	180	11	19.9	0	990	30.2	183.913	/Dec	-0.2	-0.2	183.545
Mat_IGT-M_Low	190	11	20	0	987	30.5	185.95	/Dec	-0.2	-0.2	185.578
Mat_IGT-M_Low	200	11	20.1	0	983	30.7	187.249	/Dec	-0.2	-0.2	186.875
Mat_IGT-M_Low	210	11	20.2	0	979	30.9	187.032	/Dec	-0.2	-0.2	186.658
Mat_IGT-M_Low	220	11	20.3	0	974	31	186.741	/Dec	-0.2	-0.2	186.368
Mat_IGT-M_Low	230	11	20.4	0	969	31.1	186.383	/Dec	-0.2	-0.2	186.01
Mat_IGT-M_Low	240	11	20.5	0	965	31.2	185.963	/Dec	-0.2	-0.2	185.591
Mat_IGT-M_Low	250	11	20.6	0	960	31.3	185.493	/Dec	-0.2	-0.2	185.122
Mat_IGT-M_Low	260	11	20.7	0	955	31.4	184.976	/Dec	-0.2	-0.2	184.606
Mat_IGT-M_Low	270	11	20.7	0	950	31.5	184.417	/Dec	-0.2	-0.2	184.048
Mat_IGT-M_Low	280	11	20.8	0	946	31.5	183.819	/Dec	-0.2	-0.2	183.451
Mat_IGT-M_Low	290	11	20.9	0	942	31.6	183.187	/Dec	-0.2	-0.2	182.821
Mat_IGT-M_Low	300	11	21	0	938	31.7	182.814	/Dec	-0.2	-0.2	182.448
Mat_IGT-M_Low	310	11	21	0	935	31.7	182.114	/Dec	-0.2	-0.2	181.75
Mat_IGT-M_Low	320	11	21.1	0	935	31.7	181.263	/Dec	-0.2	-0.2	180.9
Mat_IGT-M_Low	330	11	21.1	0	935	31.7	180.409	/Dec	-0.2	-0.2	180.048
Mat_IGT-M_Low	340	11	21.1	0	935	31.7	179.549	/Dec	-0.2	-0.2	179.19
Mat_IGT-M_Low	350	11	21.1	0	935	31.7	178.691	/Dec	-0.2	-0.2	178.334
Mat_IGT-M_Med	10	15	0	0	0	0	0	/Dec	-0.3	-0.3	0
Mat_IGT-M_Med	20	15	0	0	0	0	0	/Dec	-0.3	-0.3	0
Mat_IGT-M_Med	30	15	3.91	0	36.5	0.6	1.453	/Dec	-0.3	-0.3	1.449
Mat_IGT-M_Med	40	15	14.9	0	311	5.4	17.54	/Dec	-0.3	-0.3	17.487
Mat_IGT-M_Med	50	15	15.8	0	590	11.6	49.196	/Dec	-0.3	-0.3	49.048
Mat_IGT-M_Med	60	15	16.6	0	818	17.8	90.61	/Dec	-0.3	-0.3	90.338
Mat_IGT-M_Med	70	15	17.4	0	948	22.5	129.294	/Dec	-0.3	-0.3	128.906

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-M_Med	80	15	18.2	0	1006	25.9	163.294	/Dec	-0.3	-0.3	162.804
Mat_IGT-M_Med	90	15	19	0	1027	28.6	193.117	/Dec	-0.3	-0.3	192.538
Mat_IGT-M_Med	100	15	19.7	0	1023	30.7	218.847	/Dec	-0.3	-0.3	218.19
Mat_IGT-M_Med	110	15	20.5	0	1004	32.4	240.324	/Dec	-0.3	-0.3	239.603
Mat_IGT-M_Med	120	15	21.2	0	979	33.7	258.235	/Dec	-0.3	-0.3	257.46
Mat_IGT-M_Med	130	15	21.8	0	952	34.7	273.102	/Dec	-0.3	-0.3	272.283
Mat_IGT-M_Med	140	15	22.3	0	927	35.5	285.273	/Dec	-0.3	-0.3	284.417
Mat_IGT-M_Med	150	15	22.8	0	905	36	293.887	/Dec	-0.3	-0.3	293.005
Mat_IGT-M_Med	160	15	23.1	0	888	36.3	299.02	/Dec	-0.3	-0.3	298.123
Mat_IGT-M_Med	170	15	23.3	0	873	36.5	301.956	/Dec	-0.3	-0.3	301.05
Mat_IGT-M_Med	180	15	23.6	0	859	36.6	303.43	/Dec	-0.3	-0.3	302.52
Mat_IGT-M_Med	190	15	23.8	0	846	36.7	303.937	/Dec	-0.3	-0.3	303.025
Mat_IGT-M_Med	200	15	24	0	833	36.7	303.793	/Dec	-0.3	-0.3	302.882
Mat_IGT-M_Med	210	15	24.1	0	822	36.8	302.14	/Dec	-0.3	-0.3	301.234
Mat_IGT-M_Med	220	15	24.3	0	811	36.8	300.477	/Dec	-0.3	-0.3	299.576
Mat_IGT-M_Med	230	15	24.5	0	801	36.8	298.765	/Dec	-0.3	-0.3	297.869
Mat_IGT-M_Med	240	15	24.6	0	791	36.8	297.027	/Dec	-0.3	-0.3	296.136
Mat_IGT-M_Med	250	15	24.7	0	782	36.7	295.237	/Dec	-0.3	-0.3	294.351
Mat_IGT-M_Med	260	15	24.9	0	773	36.7	293.433	/Dec	-0.3	-0.3	292.553
Mat_IGT-M_Med	270	15	25	0	764	36.7	291.604	/Dec	-0.3	-0.3	290.729
Mat_IGT-M_Med	280	15	25.2	0	756	36.7	289.753	/Dec	-0.3	-0.3	288.884
Mat_IGT-M_Med	290	15	25.3	0	748	36.7	287.887	/Dec	-0.3	-0.3	287.023
Mat_IGT-M_Med	300	15	25.4	0	740	36.6	286.013	/Dec	-0.3	-0.3	285.155
Mat_IGT-M_Med	310	15	25.5	0	735	36.6	284.274	/Dec	-0.3	-0.3	283.421
Mat_IGT-M_Med	320	15	25.5	0	735	36.6	282.849	/Dec	-0.3	-0.3	282
Mat_IGT-M_Med	330	15	25.5	0	735	36.6	281.413	/Dec	-0.3	-0.3	280.569

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-M_Med	340	15	25.5	0	735	36.6	279.98	/Dec	-0.3	-0.3	279.14
Mat_IGT-M_Med	350	15	25.5	0	735	36.6	278.538	/Dec	-0.3	-0.3	277.702
Mat_IGT-M_Poor	10	6	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-M_Poor	20	6	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-M_Poor	30	6	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-M_Poor	40	6	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-M_Poor	50	6	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-M_Poor	60	6	0	0	0	0	0	/Dec	0	0	0
Mat_IGT-M_Poor	70	6	0.91	0	3	0	0.102	/Dec	0	0	0.102
Mat_IGT-M_Poor	80	6	3.55	0	17.2	0.3	0.59	/Dec	0	0	0.59
Mat_IGT-M_Poor	90	6	4	0	34.1	0.6	1.335	/Dec	0	0	1.335
Mat_IGT-M_Poor	100	6	12.4	0	165	2.8	6.374	/Dec	0	0	6.374
Mat_IGT-M_Poor	110	6	14.9	0	243	4.2	10.318	/Dec	0	0	10.318
Mat_IGT-M_Poor	120	6	15.2	0	303	5.4	14.559	/Dec	0	0	14.559
Mat_IGT-M_Poor	130	6	15.4	0	361	6.7	19.343	/Dec	0	0	19.343
Mat_IGT-M_Poor	140	6	15.6	0	417	7.9	24.525	/Dec	0	0	24.525
Mat_IGT-M_Poor	150	6	15.8	0	465	9	29.32	/Dec	0	0	29.32
Mat_IGT-M_Poor	160	6	15.9	0	501	9.8	33.127	/Dec	0	0	33.127
Mat_IGT-M_Poor	170	6	16	0	528	10.5	35.977	/Dec	0	0	35.977
Mat_IGT-M_Poor	180	6	16.1	0	546	10.9	37.762	/Dec	0	0	37.762
Mat_IGT-M_Poor	190	6	16.1	0	560	11.3	39.121	/Dec	0	0	39.121
Mat_IGT-M_Poor	200	6	16.1	0	571	11.6	40.146	/Dec	0	0	40.146
Mat_IGT-M_Poor	210	6	16.2	0	578	11.7	40.509	/Dec	0	0	40.509
Mat_IGT-M_Poor	220	6	16.2	0	584	11.9	40.871	/Dec	0	0	40.871
Mat_IGT-M_Poor	230	6	16.2	0	589	12	41.201	/Dec	0	0	41.201
Mat_IGT-M_Poor	240	6	16.2	0	594	12.2	41.472	/Dec	0	0	41.472

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-M_Poor	250	6	16.3	0	599	12.3	41.731	/Dec	0	0	41.731
Mat_IGT-M_Poor	260	6	16.3	0	603	12.4	41.959	/Dec	0	0	41.959
Mat_IGT-M_Poor	270	6	16.3	0	607	12.5	42.156	/Dec	0	0	42.156
Mat_IGT-M_Poor	280	6	16.3	0	611	12.6	42.358	/Dec	0	0	42.358
Mat_IGT-M_Poor	290	6	16.3	0	615	12.8	42.558	/Dec	0	0	42.558
Mat_IGT-M_Poor	300	6	16.4	0	619	12.9	42.759	/Dec	0	0	42.759
Mat_IGT-M_Poor	310	6	16.4	0	622	13	42.919	/Dec	0	0	42.919
Mat_IGT-M_Poor	320	6	16.4	0	623	13	42.876	/Dec	0	0	42.876
Mat_IGT-M_Poor	330	6	16.4	0	623	13	42.727	/Dec	0	0	42.727
Mat_IGT-M_Poor	340	6	16.4	0	623	13	42.57	/Dec	0	0	42.57
Mat_IGT-M_Poor	350	6	16.4	0	623	13	42.419	/Dec	0	0	42.419
Mat_IGT-N_High	10	15	0	0	0	0	0	/Dec	-10.6	-10.6	0
Mat_IGT-N_High	20	15	0	0	0	0	0	/Dec	-10.6	-10.6	0
Mat_IGT-N_High	30	15	2.84	0	34.9	0.6	1.786	/Dec	-10.6	-10.6	1.597
Mat_IGT-N_High	40	15	14.9	0	326	5.8	19.3	/Dec	-10.6	-10.6	17.254
Mat_IGT-N_High	50	15	15.8	0	607	12	51.171	/Dec	-10.6	-10.6	45.747
Mat_IGT-N_High	60	15	16.6	0	847	18.3	92.893	/Dec	-10.6	-10.6	83.046
Mat_IGT-N_High	70	15	17.3	0	994	23.3	132.17	/Dec	-10.6	-10.6	118.16
Mat_IGT-N_High	80	15	18	0	1059	26.7	165.469	/Dec	-10.6	-10.6	147.929
Mat_IGT-N_High	90	15	18.7	0	1082	29.4	194.329	/Dec	-10.6	-10.6	173.73
Mat_IGT-N_High	100	15	19.5	0	1077	31.6	218.541	/Dec	-10.6	-10.6	195.376
Mat_IGT-N_High	110	15	20.2	0	1054	33.2	238.407	/Dec	-10.6	-10.6	213.136
Mat_IGT-N_High	120	15	20.9	0	1024	34.5	254.567	/Dec	-10.6	-10.6	227.583
Mat_IGT-N_High	130	15	21.6	0	993	35.6	267.948	/Dec	-10.6	-10.6	239.546
Mat_IGT-N_High	140	15	22.2	0	965	36.4	278.841	/Dec	-10.6	-10.6	249.284
Mat_IGT-N_High	150	15	22.6	0	943	37	286.47	/Dec	-10.6	-10.6	256.104

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-N_High	160	15	22.9	0	927	37.3	290.899	/Dec	-10.6	-10.6	260.064
Mat_IGT-N_High	170	15	23.2	0	913	37.5	293.228	/Dec	-10.6	-10.6	262.146
Mat_IGT-N_High	180	15	23.4	0	901	37.7	294.153	/Dec	-10.6	-10.6	262.973
Mat_IGT-N_High	190	15	23.6	0	890	37.8	294.151	/Dec	-10.6	-10.6	262.971
Mat_IGT-N_High	200	15	23.7	0	879	37.9	293.493	/Dec	-10.6	-10.6	262.383
Mat_IGT-N_High	210	15	23.9	0	870	37.9	291.351	/Dec	-10.6	-10.6	260.468
Mat_IGT-N_High	220	15	24	0	862	37.9	289.192	/Dec	-10.6	-10.6	258.538
Mat_IGT-N_High	230	15	24.1	0	853	37.9	287.048	/Dec	-10.6	-10.6	256.621
Mat_IGT-N_High	240	15	24.2	0	845	37.9	284.879	/Dec	-10.6	-10.6	254.682
Mat_IGT-N_High	250	15	24.3	0	837	37.9	282.692	/Dec	-10.6	-10.6	252.727
Mat_IGT-N_High	260	15	24.4	0	830	37.9	280.528	/Dec	-10.6	-10.6	250.792
Mat_IGT-N_High	270	15	24.5	0	823	37.9	278.351	/Dec	-10.6	-10.6	248.846
Mat_IGT-N_High	280	15	24.6	0	816	37.9	276.171	/Dec	-10.6	-10.6	246.897
Mat_IGT-N_High	290	15	24.7	0	809	37.9	274.019	/Dec	-10.6	-10.6	244.973
Mat_IGT-N_High	300	15	24.8	0	802	37.8	271.844	/Dec	-10.6	-10.6	243.029
Mat_IGT-N_High	310	15	24.8	0	798	37.8	269.833	/Dec	-10.6	-10.6	241.231
Mat_IGT-N_High	320	15	24.8	0	798	37.8	268.124	/Dec	-10.6	-10.6	239.703
Mat_IGT-N_High	330	15	24.8	0	798	37.8	266.379	/Dec	-10.6	-10.6	238.143
Mat_IGT-N_High	340	15	24.8	0	798	37.8	264.692	/Dec	-10.6	-10.6	236.635
Mat_IGT-N_High	350	15	24.8	0	798	37.8	263.02	/Dec	-10.6	-10.6	235.14
Mat_IGT-N_Low	10	9	0	0	0	0	0	/Dec	-17.2	-17.2	0
Mat_IGT-N_Low	20	9	0	0	0	0	0	/Dec	-17.2	-17.2	0
Mat_IGT-N_Low	30	9	0	0	0	0	0	/Dec	-17.2	-17.2	0
Mat_IGT-N_Low	40	9	0	0	0	0	0	/Dec	-17.2	-17.2	0
Mat_IGT-N_Low	50	9	0	0	0	0	0	/Dec	-17.2	-17.2	0
Mat_IGT-N_Low	60	9	15.1	0	194	3.5	8.498	/Dec	-17.2	-17.2	7.036

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-N_Low	70	9	15.8	0	371	7.3	22.024	/Dec	-17.2	-17.2	18.236
Mat_IGT-N_Low	80	9	16.2	0	475	10	33.687	/Dec	-17.2	-17.2	27.893
Mat_IGT-N_Low	90	9	16.6	0	566	12.5	46.391	/Dec	-17.2	-17.2	38.412
Mat_IGT-N_Low	100	9	17.1	0	639	14.9	59.249	/Dec	-17.2	-17.2	49.058
Mat_IGT-N_Low	110	9	17.5	0	697	17	71.875	/Dec	-17.2	-17.2	59.512
Mat_IGT-N_Low	120	9	18	0	738	19	83.637	/Dec	-17.2	-17.2	69.251
Mat_IGT-N_Low	130	9	18.4	0	762	20.5	93.721	/Dec	-17.2	-17.2	77.601
Mat_IGT-N_Low	140	9	18.9	0	772	21.6	102.088	/Dec	-17.2	-17.2	84.529
Mat_IGT-N_Low	150	9	19.2	0	772	22.4	108.179	/Dec	-17.2	-17.2	89.572
Mat_IGT-N_Low	160	9	19.5	0	767	22.9	111.712	/Dec	-17.2	-17.2	92.498
Mat_IGT-N_Low	170	9	19.7	0	761	23.1	113.86	/Dec	-17.2	-17.2	94.276
Mat_IGT-N_Low	180	9	19.8	0	756	23.3	115.267	/Dec	-17.2	-17.2	95.441
Mat_IGT-N_Low	190	9	20	0	752	23.5	116.162	/Dec	-17.2	-17.2	96.182
Mat_IGT-N_Low	200	9	20.1	0	748	23.7	116.815	/Dec	-17.2	-17.2	96.723
Mat_IGT-N_Low	210	9	20.3	0	746	23.8	116.6	/Dec	-17.2	-17.2	96.545
Mat_IGT-N_Low	220	9	20.4	0	745	24	116.456	/Dec	-17.2	-17.2	96.426
Mat_IGT-N_Low	230	9	20.4	0	743	24.1	116.213	/Dec	-17.2	-17.2	96.224
Mat_IGT-N_Low	240	9	20.5	0	742	24.2	115.941	/Dec	-17.2	-17.2	95.999
Mat_IGT-N_Low	250	9	20.5	0	740	24.4	115.697	/Dec	-17.2	-17.2	95.797
Mat_IGT-N_Low	260	9	20.6	0	738	24.5	115.354	/Dec	-17.2	-17.2	95.513
Mat_IGT-N_Low	270	9	20.7	0	736	24.6	115.054	/Dec	-17.2	-17.2	95.265
Mat_IGT-N_Low	280	9	20.8	0	735	24.7	114.71	/Dec	-17.2	-17.2	94.98
Mat_IGT-N_Low	290	9	20.9	0	733	24.8	114.338	/Dec	-17.2	-17.2	94.672
Mat_IGT-N_Low	300	9	20.9	0	731	24.9	113.894	/Dec	-17.2	-17.2	94.304
Mat_IGT-N_Low	310	9	20.9	0	729	24.9	113.523	/Dec	-17.2	-17.2	93.997
Mat_IGT-N_Low	320	9	20.9	0	729	24.9	112.807	/Dec	-17.2	-17.2	93.404

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-N_Low	330	9	20.9	0	729	24.9	112.164	/Dec	-17.2	-17.2	92.872
Mat_IGT-N_Low	340	9	20.9	0	729	24.9	111.448	/Dec	-17.2	-17.2	92.279
Mat_IGT-N_Low	350	9	20.9	0	729	24.9	110.804	/Dec	-17.2	-17.2	91.746
Mat_IGT-N_Med	10	12	0	0	0	0	0	/Dec	-10.5	-10.5	0
Mat_IGT-N_Med	20	12	0	0	0	0	0	/Dec	-10.5	-10.5	0
Mat_IGT-N_Med	30	12	0	0	0	0	0	/Dec	-10.5	-10.5	0
Mat_IGT-N_Med	40	12	4.64	0	55.4	0.9	1.903	/Dec	-10.5	-10.5	1.703
Mat_IGT-N_Med	50	12	13.5	0	268	4.6	12.632	/Dec	-10.5	-10.5	11.306
Mat_IGT-N_Med	60	12	15.1	0	444	8	27.882	/Dec	-10.5	-10.5	24.954
Mat_IGT-N_Med	70	12	15.5	0	585	11.2	45.843	/Dec	-10.5	-10.5	41.029
Mat_IGT-N_Med	80	12	15.9	0	701	14.1	65.391	/Dec	-10.5	-10.5	58.525
Mat_IGT-N_Med	90	12	16.4	0	789	16.7	84.761	/Dec	-10.5	-10.5	75.861
Mat_IGT-N_Med	100	12	16.8	0	854	18.9	103.137	/Dec	-10.5	-10.5	92.308
Mat_IGT-N_Med	110	12	17.2	0	900	20.8	118.946	/Dec	-10.5	-10.5	106.457
Mat_IGT-N_Med	120	12	17.7	0	942	22.7	134.764	/Dec	-10.5	-10.5	120.614
Mat_IGT-N_Med	130	12	18.1	0	975	24.6	150.178	/Dec	-10.5	-10.5	134.409
Mat_IGT-N_Med	140	12	18.6	0	995	26.1	163.74	/Dec	-10.5	-10.5	146.547
Mat_IGT-N_Med	150	12	18.9	0	1005	27.3	174.17	/Dec	-10.5	-10.5	155.882
Mat_IGT-N_Med	160	12	19.2	0	1009	28.1	181.326	/Dec	-10.5	-10.5	162.287
Mat_IGT-N_Med	170	12	19.5	0	1008	28.7	186.101	/Dec	-10.5	-10.5	166.56
Mat_IGT-N_Med	180	12	19.6	0	1005	29.2	189.215	/Dec	-10.5	-10.5	169.347
Mat_IGT-N_Med	190	12	19.8	0	1000	29.5	191.215	/Dec	-10.5	-10.5	171.137
Mat_IGT-N_Med	200	12	20	0	995	29.8	192.282	/Dec	-10.5	-10.5	172.092
Mat_IGT-N_Med	210	12	20.1	0	990	29.9	191.789	/Dec	-10.5	-10.5	171.651
Mat_IGT-N_Med	220	12	20.2	0	985	30	191.174	/Dec	-10.5	-10.5	171.101
Mat_IGT-N_Med	230	12	20.3	0	980	30.1	190.498	/Dec	-10.5	-10.5	170.496

Analysis Unit Name	Stand Age	Site Index	Diameter (cm)	Height (m)	Density (stems/ha)	Basal Area (m2/ha)	Volume Net DWB (m3/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Net DWB Volume (m3/ha)
Mat_IGT-N_Med	240	12	20.3	0	975	30.2	189.78	/Dec	-10.5	-10.5	169.853
Mat_IGT-N_Med	250	12	20.4	0	970	30.2	189.008	/Dec	-10.5	-10.5	169.162
Mat_IGT-N_Med	260	12	20.5	0	965	30.3	188.195	/Dec	-10.5	-10.5	168.435
Mat_IGT-N_Med	270	12	20.6	0	960	30.4	187.316	/Dec	-10.5	-10.5	167.648
Mat_IGT-N_Med	280	12	20.6	0	955	30.4	186.449	/Dec	-10.5	-10.5	166.872
Mat_IGT-N_Med	290	12	20.7	0	949	30.4	185.562	/Dec	-10.5	-10.5	166.078
Mat_IGT-N_Med	300	12	20.8	0	945	30.5	184.617	/Dec	-10.5	-10.5	165.232
Mat_IGT-N_Med	310	12	20.8	0	940	30.5	183.707	/Dec	-10.5	-10.5	164.418
Mat_IGT-N_Med	320	12	20.8	0	940	30.5	182.735	/Dec	-10.5	-10.5	163.548
Mat_IGT-N_Med	330	12	20.8	0	940	30.5	181.798	/Dec	-10.5	-10.5	162.709
Mat_IGT-N_Med	340	12	20.8	0	940	30.5	180.841	/Dec	-10.5	-10.5	161.853
Mat_IGT-N_Med	350	12	20.8	0	940	30.5	179.901	/Dec	-10.5	-10.5	161.011

Appendix IP3 – A Background Document for Growth and Yield Modeling Endeavors

See attached document *TFL 59 Final Information Package Appendix 3 03072017.pdf*.

Appendix IP4 – TIPSY input parameters

AU Name	SPP1	SPP1 %	SPP1 GW	SPP1	SPP2 %	SPP2 GW	SPP3	SPP3 %	SPP3 GW	Site Index	Density	Type	OAF1	OAF2	Delay
Nat_IGT-A_High	Fd	100	0		0	0		0	0	19	1400	N	10	4	7
Nat_IGT-A_Med	Fd	86	0	Sx	8	0	Lw	6	0	18	1200	N	10	4	7
Nat_IGT-A_Low	Fd	100	0		0	0		0	0	13	1000	N	10	4	7
Nat_IGT-C_High	Fd	73	0	Py	14	0	Pl	13	0	18	800	N	9	3	7
Nat_IGT-C_Med	Fd	76	0	Py	17	0	Pl	7	0	15	800	N	9	3	7
Nat_IGT-D_High	Fd	73	0	Lw	24	0	Pl	4	0	20	1400	N	9	4	7
Nat_IGT-D_Med	Fd	74	0	Lw	23	0	Pl	3	0	17	1200	N	9	4	7
Nat_IGT-D_Low	Fd	77	0	Lw	23	0	Pl	0	0	12	1000	N	9	4	7
Nat_IGT-H_High	Bl	62	0	Pl	22	0	Sx	16	0	17	1800	N	9	5	7
Nat_IGT-H_Med	Bl	100	0		0	0		0	0	13	1700	N	9	5	7
Nat_IGT-I_High	Sx	100	0		0	0		0	0	15	1800	N	13	4	7
Nat_IGT-J_High	Sx	54	0	Bl	40	0	Fd	6	0	15	1800	N	13	4	7
Nat_IGT-K_High	Sx	84	0	Pl	13	0	Lw	3	0	21	1800	N	13	4	7
Nat_IGT-K_Med	Sx	54	0	Pl	40	0	Fd	6	0	17	1700	N	13	4	7
Nat_IGT-M_High	Pl	87	0	Sx	7	0	Fd	6	0	20	2000	N	15	3	7
Nat_IGT-M_Med	Pl	84	0	Bl	9	0	Fd	7	0	17	1800	N	15	3	7
Nat_IGT-M_Low	Pl	61	0	Fd	28	0	Sx	11	0	13	1600	N	15	3	7
Nat_IGT-N_High	Pl	99	0	Sx	1	0		0	0	18	2000	N	15	3	7
Man_IGT-A_High	Fd	100	0		0	0		0	0	20	1400	P	10	4	3
Man_IGT-A_Med	Fd	93	0	Sx	7	0		0	0	18	1200	P	10	4	3
Man_IGT-C_High	Fd	62	0	Py	21	0	Pl	18	0	18	800	P	9	3	3
Man_IGT-C_Med	Py	70	0	Fd	26	0	Lw	4	0	15	800	P	9	3	3
Man_IGT-D_High	Lw	55	0	Fd	33	0	Pl	12	0	21	1400	P	9	4	3
Man_IGT-D_Med	Fd	57	0	Lw	34	0	Pl	9	0	17	1200	P	9	4	3
Man_IGT-H_High	Bl	62	0	Pl	24	0	Sx	14	0	16	1800	P	9	5	3
Man_IGT-I_High	Sx	100	0		0	0		0	0	20	1800	P	13	4	3

AU Name	SPP1	SPP1 %	SPP1 GW	SPP1	SPP2 %	SPP2 GW	SPP3	SPP3 %	SPP3 GW	Site Index	Density	Type	OAF1	OAF2	Delay
Man_IGT-J_High	Sx	74	0	Fd	14	0	Lw	12	0	18	1800	P	13	4	3
Man_IGT-K_High	Sx	66	0	Pl	24	0	Bl	9	0	18	1800	P	13	4	3
Man_IGT-K_Med	Sx	75	0	Pl	24	0	Lw	1	0	16	1700	P	13	4	3
Man_IGT-K_Low	Sx	50	0	Pl	30	0	Bl	20	0	12	1600	P	13	4	3
Man_IGT-M_High	Pl	86	0	Sx	7	0	Bl	7	0	20	2000	P	15	3	3
Man_IGT-M_Med	Pl	84	0	Bl	9	0	Sx	7	0	17	1800	P	15	3	3
Man_IGT-M_Low	Pl	96	0	Lw	3	0	Fd	1	0	13	1600	P	15	3	3
Man_IGT-N_High	Pl	95	0	Sx	4	0	Lw	1	0	20	2000	P	15	3	3
Man_IGT-N_Med	Pl	84	0	Sx	14	0	Bl	1	0	13	1800	P	15	3	3
Gen_IGT-A_High	Fd	97	0	Sx	3	3.3	Lw	1	3.2	20	1400	P	8	4	3
Gen_IGT-A_Med	Fd	100	0	Sx	0	3.3		0	0	17	1200	P	8	4	3
Gen_IGT-A_Low	Fd	100	0		0	0		0	0	13	1000	P	8	4	3
Gen_IGT-C_High	Py	71	0	Fd	24	0	Lw	5	3.2	19	800	P	7	3	3
Gen_IGT-C_Med	Py	58	0	Fd	40	0	Lw	3	3.2	14	800	P	7	3	3
Gen_IGT-C_Low	Py	78	0	Fd	22	0		0	0	12	800	P	7	3	3
Gen_IGT-D_High	Lw	62	3.2	Fd	22	0	Pl	16	1.8	20	1400	P	8	4	3
Gen_IGT-D_Med	Lw	51	3.2	Fd	37	0	Pl	12	1.8	17	1200	P	8	4	3
Gen_IGT-D_Low	Fd	72	0	Lw	28	3.2		0	0	11	1000	P	8	4	3
Gen_IGT-H_High	Bl	55	0	Pl	27	1.8	Sx	18	3.3	18	1800	P	7	5	3
Gen_IGT-H_Med	Bl	50	0	Pl	30	1.8	Sx	20	3.3	13	1700	P	7	5	3
Gen_IGT-I_High	Sx	100	3.3		0	0		0	0	17	1800	P	11	4	3
Gen_IGT-I_Med	Sx	100	3.3		0	0		0	0	11	1700	P	11	4	3
Gen_IGT-J_High	Sx	52	3.3	Lw	29	3.2	Pl	19	1.8	19	1800	P	11	4	3
Gen_IGT-J_Med	Sx	60	3.3	Bl	35	0	Pl	5	1.8	10	1700	P	11	4	3
Gen_IGT-K_High	Sx	59	3.3	Pl	37	1.8	Bl	3	0	18	1800	P	11	4	3
Gen_IGT-K_Med	Sx	62	3.3	Pl	32	1.8	Fd	6	0	16	1700	P	11	4	3
Gen_IGT-K_Low	Sx	45	3.3	Pl	35	1.8	Bl	20	0	11	1600	P	11	4	3
Gen_IGT-M_High	Pl	89	1.8	Lw	6	3.2	Sx	5	3.3	20	2000	P	10	3	3
Gen_IGT-M_Med	Pl	82	1.8	Sx	11	3.3	Bl	7	0	17	1800	P	10	3	3

AU Name	SPP1	SPP1 %	SPP1 GW	SPP1	SPP2 %	SPP2 GW	SPP3	SPP3 %	SPP3 GW	Site Index	Density	Type	OAF1	OAF2	Delay
Gen_IGT-M_Low	Pl	83	1.8	Sx	12	3.3	Bl	5	0	13	1600	P	10	3	3
Gen_IGT-N_High	Pl	91	1.8	Lw	5	3.2	Sx	4	3.3	20	2000	P	10	3	3
Gen_IGT-N_Med		0	0		0	0		0	0	0	1400	P	10	3	3
Fut_IGT-A_High	Fd	77	0	Sx	19	3.7	Py	3	0	20	1200	P	8	4	3
Fut_IGT-A_Med	Fd	95	0	Sx	4	3.7	Lw	1	5.5	16	1000	P	8	4	3
Fut_IGT-A_Low	Fd	99	0	Sx	1	3.7	Pl	0	10.4	13	800	P	8	4	3
Fut_IGT-C_High	Fd	67	0	Py	28	0	Pl	5	10.4	17	800	P	7	3	3
Fut_IGT-C_Med	Fd	63	0	Py	32	0	Pl	5	10.4	14	800	P	7	3	3
Fut_IGT-C_Low	Py	51	0	Fd	46	0	Pl	3	10.4	9	800	P	7	3	3
Fut_IGT-C_Poor	Py	96	0	Fd	4	0		0	0	7	1400	P	7	3	3
Fut_IGT-D_High	Lw	69	5.5	Fd	24	0	Pl	6	10.4	20	1200	P	8	4	3
Fut_IGT-D_Med	Fd	50	0	Lw	44	5.5	Pl	6	10.4	16	1000	P	8	4	3
Fut_IGT-D_Low	Fd	67	0	Lw	28	5.5	Pl	5	10.4	12	800	P	8	4	3
Fut_IGT-D_Poor	Fd	74	0	Lw	26	5.5	Pl	1	10.4	7	1800	P	8	4	3
Fut_IGT-H_High	Bl	63	0	Sx	22	3.7	Pl	14	10.4	14	1700	P	7	5	3
Fut_IGT-H_Med	Bl	53	0	Sx	29	3.7	Pl	18	10.4	10	1600	P	7	5	3
Fut_IGT-H_Low	Bl	64	0	Sx	25	3.7	Pl	11	10.4	7	1800	P	7	5	3
Fut_IGT-I_High	Sx	100	3.7		0	0		0	0	17	1700	P	11	4	3
Fut_IGT-I_Med	Sx	100	3.7		0	0		0	0	12	1800	P	11	4	3
Fut_IGT-J_High	Sx	75	3.7	Bl	16	0	Fd	9	0	16	1700	P	11	4	3
Fut_IGT-J_Med	Sx	68	3.7	Bl	24	0	Pl	8	10.4	10	1600	P	11	4	3
Fut_IGT-J_Low	Sx	62	3.7	Bl	34	0	Pl	4	10.4	7	1800	P	11	4	3
Fut_IGT-K_High	Sx	69	3.7	Pl	27	10.4	Bl	4	0	20	1700	P	11	4	3
Fut_IGT-K_Med	Sx	67	3.7	Pl	27	10.4	Bl	6	0	15	1600	P	11	4	3
Fut_IGT-K_Low	Sx	65	3.7	Pl	26	10.4	Bl	9	0	10	1400	P	11	4	3
Fut_IGT-K_Poor	Sx	69	3.7	Pl	20	10.4	Bl	11	0	7	2000	P	11	4	3
Fut_IGT-M_High	Pl	84	10.4	Lw	11	5.5	Fd	5	0	19	1800	P	10	3	3
Fut_IGT-M_Med	Pl	88	10.4	Lw	8	5.5	Sx	4	3.7	15	1600	P	10	3	3
Fut_IGT-M_Low	Pl	95	10.4	Lw	3	5.5	Sx	2	3.7	11	1400	P	10	3	3

AU Name	SPP1	SPP1 %	SPP1 GW	SPP1	SPP2 %	SPP2 GW	SPP3	SPP3 %	SPP3 GW	Site Index	Density	Type	OAF1	OAF2	Delay
Fut_IGT-M_Poor	Pl	90	10.4	Bl	6	0	Sx	4	3.7	6	2000	P	10	3	3
Fut_IGT-N_High	Pl	96	10.4	Sx	2	3.7	Lw	2	5.5	15	1800	P	10	3	3
Fut_IGT-N_Med	Pl	98	10.4	Lw	2	5.5		0	0	12	1600	P	10	3	3
Fut_IGT-N_Low	Pl	91	10.4	Fd	9	0		0	0	9	1400	P	10	3	3

Appendix IP5 – Yield table for regenerated stands (TIPSY Output)

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-A_High	0	0	0	0	0	0	/Dec	0	0	0
Nat_IGT-A_High	10	0	0	0	0.1	196	/Dec	0	0	0
Nat_IGT-A_High	20	0	0	0	2.6	768	/Dec	0	0	0
Nat_IGT-A_High	30	1	4	15	6.8	737	/Dec	0	0	1
Nat_IGT-A_High	40	16	10	17	10.7	724	/Dec	0	0	16
Nat_IGT-A_High	50	45	16	21.4	14.2	712	/Dec	0	0	45
Nat_IGT-A_High	60	83	22	25	17.3	703	/Dec	0	0	83
Nat_IGT-A_High	70	123	26	28	20	696	/Dec	0	0	123
Nat_IGT-A_High	80	166	31	30.6	22.4	686	/Dec	0	0	166
Nat_IGT-A_High	90	208	34	32.7	24.5	674	/Dec	0	0	208
Nat_IGT-A_High	100	250	38	34.7	26.3	664	/Dec	0	0	250
Nat_IGT-A_High	110	291	41	36.4	28	653	/Dec	0	0	291
Nat_IGT-A_High	120	331	44	37.8	29.4	644	/Dec	0	0	331
Nat_IGT-A_High	130	369	46	39.2	30.7	637	/Dec	0	0	369
Nat_IGT-A_High	140	404	48	40.4	31.9	631	/Dec	0	0	404
Nat_IGT-A_High	150	437	50	41.4	33	622	/Dec	0	0	437
Nat_IGT-A_High	160	466	52	42.4	33.9	614	/Dec	0	0	466
Nat_IGT-A_High	170	494	53	43.2	34.8	606	/Dec	0	0	494
Nat_IGT-A_High	180	521	55	44	35.6	600	/Dec	0	0	521
Nat_IGT-A_High	190	544	56	44.7	36.3	591	/Dec	0	0	544
Nat_IGT-A_High	200	567	57	45.4	37	582	/Dec	0	0	567
Nat_IGT-A_High	210	587	57	46	37.6	573	/Dec	0	0	587
Nat_IGT-A_High	220	605	58	46.6	38.2	564	/Dec	0	0	605

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-A_High	230	622	59	47.1	38.7	556	/Dec	0	0	622
Nat_IGT-A_High	240	637	59	47.6	39.2	548	/Dec	0	0	637
Nat_IGT-A_High	250	651	60	48	39.7	541	/Dec	0	0	651
Nat_IGT-A_High	260	664	60	48.5	40.1	534	/Dec	0	0	664
Nat_IGT-A_High	270	675	60	48.9	40.5	526	/Dec	0	0	675
Nat_IGT-A_High	280	686	60	49.2	40.9	519	/Dec	0	0	686
Nat_IGT-A_High	290	696	61	49.6	41.3	513	/Dec	0	0	696
Nat_IGT-A_High	300	706	61	49.9	41.6	507	/Dec	0	0	706
Nat_IGT-A_High	310	706	61	49.9	41.6	507	/Dec	0	0	706
Nat_IGT-A_High	320	706	61	49.9	41.6	507	/Dec	0	0	706
Nat_IGT-A_High	330	706	61	49.9	41.6	507	/Dec	0	0	706
Nat_IGT-A_High	340	706	61	49.9	41.6	507	/Dec	0	0	706
Nat_IGT-A_High	350	706	61	49.9	41.6	507	/Dec	0	0	706
Nat_IGT-A_Med	0	0	0	0	0	0	/Dec	0	0	0
Nat_IGT-A_Med	10	0	0	0	0.1	202	/Dec	0	0	0
Nat_IGT-A_Med	20	0	0	0	2.4	692	/Dec	0	0	0
Nat_IGT-A_Med	30	0	3	0	6.3	665	/Dec	0	0	0
Nat_IGT-A_Med	40	10	8	15.6	10	654	/Dec	0	0	10
Nat_IGT-A_Med	50	33	13	19.9	13.4	643	/Dec	0	0	33
Nat_IGT-A_Med	60	65	18	23.6	16.3	636	/Dec	0	0	65
Nat_IGT-A_Med	70	101	23	26.6	19	630	/Dec	0	0	101
Nat_IGT-A_Med	80	139	27	29.3	21.3	622	/Dec	0	0	139
Nat_IGT-A_Med	90	177	30	31.5	23.3	615	/Dec	0	0	177
Nat_IGT-A_Med	100	214	34	33.4	25.1	607	/Dec	0	0	214
Nat_IGT-A_Med	110	250	37	35.1	26.8	598	/Dec	0	0	250

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-A_Med	120	285	39	36.6	28.2	589	/Dec	0	0	285
Nat_IGT-A_Med	130	317	42	37.9	29.5	580	/Dec	0	0	317
Nat_IGT-A_Med	140	346	44	39.1	30.7	572	/Dec	0	0	346
Nat_IGT-A_Med	150	373	45	40.2	31.7	566	/Dec	0	0	373
Nat_IGT-A_Med	160	397	46	41.1	32.7	560	/Dec	0	0	397
Nat_IGT-A_Med	170	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	180	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	190	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	200	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	210	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	220	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	230	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	240	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	250	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	260	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	270	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	280	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	290	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	300	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	310	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	320	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	330	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	340	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Med	350	419	48	41.9	33.6	551	/Dec	0	0	419
Nat_IGT-A_Low	0	0	0	0	0	0	/Dec	0	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-A_Low	10	0	0	0	0.1	97	/Dec	0	0	0
Nat_IGT-A_Low	20	0	0	0	1.6	615	/Dec	0	0	0
Nat_IGT-A_Low	30	0	1	0	4.3	595	/Dec	0	0	0
Nat_IGT-A_Low	40	1	3	14.6	6.9	577	/Dec	0	0	1
Nat_IGT-A_Low	50	6	6	15.5	9.3	573	/Dec	0	0	6
Nat_IGT-A_Low	60	17	9	17.5	11.5	566	/Dec	0	0	17
Nat_IGT-A_Low	70	30	12	19.8	13.4	560	/Dec	0	0	30
Nat_IGT-A_Low	80	44	14	21.9	15	555	/Dec	0	0	44
Nat_IGT-A_Low	90	59	16	23.6	16.5	552	/Dec	0	0	59
Nat_IGT-A_Low	100	73	18	25.2	17.8	548	/Dec	0	0	73
Nat_IGT-A_Low	110	87	20	26.5	19	544	/Dec	0	0	87
Nat_IGT-A_Low	120	100	21	27.7	20.1	541	/Dec	0	0	100
Nat_IGT-A_Low	130	114	23	28.8	21	537	/Dec	0	0	114
Nat_IGT-A_Low	140	127	24	29.8	21.9	533	/Dec	0	0	127
Nat_IGT-A_Low	150	139	25	30.7	22.7	530	/Dec	0	0	139
Nat_IGT-A_Low	160	150	26	31.4	23.4	527	/Dec	0	0	150
Nat_IGT-A_Low	170	161	27	32.1	24	524	/Dec	0	0	161
Nat_IGT-A_Low	180	171	28	32.8	24.6	521	/Dec	0	0	171
Nat_IGT-A_Low	190	180	29	33.4	25.2	519	/Dec	0	0	180
Nat_IGT-A_Low	200	189	30	33.9	25.7	517	/Dec	0	0	189
Nat_IGT-A_Low	210	197	31	34.4	26.1	514	/Dec	0	0	197
Nat_IGT-A_Low	220	205	31	34.9	26.5	510	/Dec	0	0	205
Nat_IGT-A_Low	230	212	32	35.3	26.9	506	/Dec	0	0	212
Nat_IGT-A_Low	240	219	32	35.7	27.3	503	/Dec	0	0	219
Nat_IGT-A_Low	250	226	33	36.1	27.7	500	/Dec	0	0	226

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-A_Low	260	232	33	36.4	28	497	/Dec	0	0	232
Nat_IGT-A_Low	270	237	34	36.7	28.3	493	/Dec	0	0	237
Nat_IGT-A_Low	280	242	34	37	28.6	490	/Dec	0	0	242
Nat_IGT-A_Low	290	247	34	37.3	28.9	487	/Dec	0	0	247
Nat_IGT-A_Low	300	252	35	37.6	29.1	484	/Dec	0	0	252
Nat_IGT-A_Low	310	252	35	37.6	29.1	484	/Dec	0	0	252
Nat_IGT-A_Low	320	252	35	37.6	29.1	484	/Dec	0	0	252
Nat_IGT-A_Low	330	252	35	37.6	29.1	484	/Dec	0	0	252
Nat_IGT-A_Low	340	252	35	37.6	29.1	484	/Dec	0	0	252
Nat_IGT-A_Low	350	252	35	37.6	29.1	484	/Dec	0	0	252
Nat_IGT-C_High	0	0	0	0	0	0	/Dec	0	0	0
Nat_IGT-C_High	10	0	0	0	0.2	150	/Dec	0	0	0
Nat_IGT-C_High	20	0	0	0	2.5	527	/Dec	0	0	0
Nat_IGT-C_High	30	0	2	0	6.4	506	/Dec	0	0	0
Nat_IGT-C_High	40	11	7	16.4	10.2	497	/Dec	0	0	11
Nat_IGT-C_High	50	34	12	20.4	13.5	490	/Dec	0	0	34
Nat_IGT-C_High	60	62	16	24.2	16.5	485	/Dec	0	0	62
Nat_IGT-C_High	70	93	20	27.3	19.1	483	/Dec	0	0	93
Nat_IGT-C_High	80	126	24	30	21.3	479	/Dec	0	0	126
Nat_IGT-C_High	90	159	27	32.3	23.3	475	/Dec	0	0	159
Nat_IGT-C_High	100	190	30	34.2	25.1	472	/Dec	0	0	190
Nat_IGT-C_High	110	220	32	35.9	26.6	469	/Dec	0	0	220
Nat_IGT-C_High	120	249	35	37.3	28	465	/Dec	0	0	249
Nat_IGT-C_High	130	278	37	38.7	29.2	461	/Dec	0	0	278
Nat_IGT-C_High	140	305	39	39.9	30.3	457	/Dec	0	0	305

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-C_High	150	331	41	41	31.2	455	/Dec	0	0	331
Nat_IGT-C_High	160	355	42	41.9	32.1	453	/Dec	0	0	355
Nat_IGT-C_High	170	378	44	42.8	32.9	451	/Dec	0	0	378
Nat_IGT-C_High	180	398	45	43.6	33.7	449	/Dec	0	0	398
Nat_IGT-C_High	190	418	46	44.3	34.3	445	/Dec	0	0	418
Nat_IGT-C_High	200	437	47	45	34.9	441	/Dec	0	0	437
Nat_IGT-C_High	210	455	49	45.6	35.5	438	/Dec	0	0	455
Nat_IGT-C_High	220	470	49	46.2	36	434	/Dec	0	0	470
Nat_IGT-C_High	230	485	50	46.7	36.5	429	/Dec	0	0	485
Nat_IGT-C_High	240	499	51	47.2	36.9	426	/Dec	0	0	499
Nat_IGT-C_High	250	499	51	47.2	36.9	426	/Dec	0	0	499
Nat_IGT-C_High	260	499	51	47.2	36.9	426	/Dec	0	0	499
Nat_IGT-C_High	270	499	51	47.2	36.9	426	/Dec	0	0	499
Nat_IGT-C_High	280	499	51	47.2	36.9	426	/Dec	0	0	499
Nat_IGT-C_High	290	499	51	47.2	36.9	426	/Dec	0	0	499
Nat_IGT-C_High	300	499	51	47.2	36.9	426	/Dec	0	0	499
Nat_IGT-C_High	310	499	51	47.2	36.9	426	/Dec	0	0	499
Nat_IGT-C_High	320	499	51	47.2	36.9	426	/Dec	0	0	499
Nat_IGT-C_High	330	499	51	47.2	36.9	426	/Dec	0	0	499
Nat_IGT-C_High	340	499	51	47.2	36.9	426	/Dec	0	0	499
Nat_IGT-C_High	350	499	51	47.2	36.9	426	/Dec	0	0	499
Nat_IGT-C_Med	0	0	0	0	0	0	/Dec	0	0	0
Nat_IGT-C_Med	10	0	0	0	0.1	118	/Dec	0	0	0
Nat_IGT-C_Med	20	0	0	0	1.9	530	/Dec	0	0	0
Nat_IGT-C_Med	30	0	1	0	4.9	512	/Dec	0	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-C_Med	40	3	4	15	8	500	/Dec	0	0	3
Nat_IGT-C_Med	50	14	7	16.9	10.8	494	/Dec	0	0	14
Nat_IGT-C_Med	60	30	11	19.9	13.4	489	/Dec	0	0	30
Nat_IGT-C_Med	70	49	14	22.8	15.6	485	/Dec	0	0	49
Nat_IGT-C_Med	80	69	17	25.2	17.6	483	/Dec	0	0	69
Nat_IGT-C_Med	90	91	19	27.4	19.4	479	/Dec	0	0	91
Nat_IGT-C_Med	100	113	22	29.3	20.9	476	/Dec	0	0	113
Nat_IGT-C_Med	110	134	24	30.9	22.3	473	/Dec	0	0	134
Nat_IGT-C_Med	120	154	26	32.3	23.6	471	/Dec	0	0	154
Nat_IGT-C_Med	130	174	28	33.5	24.7	468	/Dec	0	0	174
Nat_IGT-C_Med	140	192	30	34.6	25.7	466	/Dec	0	0	192
Nat_IGT-C_Med	150	210	31	35.6	26.6	464	/Dec	0	0	210
Nat_IGT-C_Med	160	227	33	36.5	27.4	461	/Dec	0	0	227
Nat_IGT-C_Med	170	243	34	37.3	28.2	458	/Dec	0	0	243
Nat_IGT-C_Med	180	258	35	38.1	28.9	456	/Dec	0	0	258
Nat_IGT-C_Med	190	272	36	38.8	29.5	453	/Dec	0	0	272
Nat_IGT-C_Med	200	286	37	39.4	30.1	450	/Dec	0	0	286
Nat_IGT-C_Med	210	298	38	40	30.6	447	/Dec	0	0	298
Nat_IGT-C_Med	220	311	39	40.5	31.1	445	/Dec	0	0	311
Nat_IGT-C_Med	230	323	40	41	31.6	443	/Dec	0	0	323
Nat_IGT-C_Med	240	333	40	41.5	32	441	/Dec	0	0	333
Nat_IGT-C_Med	250	343	41	42	32.4	440	/Dec	0	0	343
Nat_IGT-C_Med	260	352	41	42.4	32.7	438	/Dec	0	0	352
Nat_IGT-C_Med	270	361	42	42.7	33.1	436	/Dec	0	0	361
Nat_IGT-C_Med	280	369	42	43.1	33.4	434	/Dec	0	0	369

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-C_Med	290	376	43	43.4	33.7	432	/Dec	0	0	376
Nat_IGT-C_Med	300	383	43	43.7	34	431	/Dec	0	0	383
Nat_IGT-C_Med	310	383	43	43.7	34	431	/Dec	0	0	383
Nat_IGT-C_Med	320	383	43	43.7	34	431	/Dec	0	0	383
Nat_IGT-C_Med	330	383	43	43.7	34	431	/Dec	0	0	383
Nat_IGT-C_Med	340	383	43	43.7	34	431	/Dec	0	0	383
Nat_IGT-C_Med	350	383	43	43.7	34	431	/Dec	0	0	383
Nat_IGT-D_High	0	0	0	0	0	0	/Dec	-1.96	0	0
Nat_IGT-D_High	10	0	0	0	0.2	270	/Dec	-1.96	0	0
Nat_IGT-D_High	20	0	0	0	3.3	773	/Dec	-1.96	0	0
Nat_IGT-D_High	30	3	6	15	7.8	741	/Dec	-1.96	0.059	2.941
Nat_IGT-D_High	40	26	13	18.6	12	728	/Dec	-1.96	0.51	25.49
Nat_IGT-D_High	50	65	19	23.2	15.7	716	/Dec	-1.96	1.274	63.726
Nat_IGT-D_High	60	110	25	26.9	18.9	708	/Dec	-1.96	2.156	107.844
Nat_IGT-D_High	70	159	30	29.9	21.7	698	/Dec	-1.96	3.116	155.884
Nat_IGT-D_High	80	208	34	32.5	24.2	685	/Dec	-1.96	4.077	203.923
Nat_IGT-D_High	90	257	39	34.7	26.3	673	/Dec	-1.96	5.037	251.963
Nat_IGT-D_High	100	306	42	36.6	28.2	660	/Dec	-1.96	5.998	300.002
Nat_IGT-D_High	110	353	45	38.3	29.8	651	/Dec	-1.96	6.919	346.081
Nat_IGT-D_High	120	397	48	39.8	31.2	643	/Dec	-1.96	7.781	389.219
Nat_IGT-D_High	130	436	50	41.1	32.5	634	/Dec	-1.96	8.546	427.454
Nat_IGT-D_High	140	472	52	42.2	33.7	624	/Dec	-1.96	9.251	462.749
Nat_IGT-D_High	150	506	54	43.2	34.7	616	/Dec	-1.96	9.918	496.082
Nat_IGT-D_High	160	537	56	44.1	35.6	608	/Dec	-1.96	10.525	526.475
Nat_IGT-D_High	170	564	57	44.9	36.4	597	/Dec	-1.96	11.054	552.946

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-D_High	180	589	58	45.6	37.2	586	/Dec	-1.96	11.544	577.456
Nat_IGT-D_High	190	612	59	46.3	37.8	577	/Dec	-1.96	11.995	600.005
Nat_IGT-D_High	200	632	60	46.9	38.5	567	/Dec	-1.96	12.387	619.613
Nat_IGT-D_High	210	649	60	47.4	39	558	/Dec	-1.96	12.72	636.28
Nat_IGT-D_High	220	665	61	47.9	39.5	549	/Dec	-1.96	13.034	651.966
Nat_IGT-D_High	230	678	61	48.4	40	541	/Dec	-1.96	13.289	664.711
Nat_IGT-D_High	240	691	61	48.8	40.4	533	/Dec	-1.96	13.544	677.456
Nat_IGT-D_High	250	703	62	49.2	40.8	526	/Dec	-1.96	13.779	689.221
Nat_IGT-D_High	260	703	62	49.2	40.8	526	/Dec	-1.96	13.779	689.221
Nat_IGT-D_High	270	703	62	49.2	40.8	526	/Dec	-1.96	13.779	689.221
Nat_IGT-D_High	280	703	62	49.2	40.8	526	/Dec	-1.96	13.779	689.221
Nat_IGT-D_High	290	703	62	49.2	40.8	526	/Dec	-1.96	13.779	689.221
Nat_IGT-D_High	300	703	62	49.2	40.8	526	/Dec	-1.96	13.779	689.221
Nat_IGT-D_High	310	703	62	49.2	40.8	526	/Dec	-1.96	13.779	689.221
Nat_IGT-D_High	320	703	62	49.2	40.8	526	/Dec	-1.96	13.779	689.221
Nat_IGT-D_High	330	703	62	49.2	40.8	526	/Dec	-1.96	13.779	689.221
Nat_IGT-D_High	340	703	62	49.2	40.8	526	/Dec	-1.96	13.779	689.221
Nat_IGT-D_High	350	703	62	49.2	40.8	526	/Dec	-1.96	13.779	689.221
Nat_IGT-D_Med	0	0	0	0	0	0	/Dec	-0.99	0	0
Nat_IGT-D_Med	10	0	0	0	0.1	187	/Dec	-0.99	0	0
Nat_IGT-D_Med	20	0	0	0	2.5	698	/Dec	-0.99	0	0
Nat_IGT-D_Med	30	0	3	0	6.3	672	/Dec	-0.99	0	0
Nat_IGT-D_Med	40	10	8	15.9	9.8	660	/Dec	-0.99	0.099	9.901
Nat_IGT-D_Med	50	32	13	19.6	13	648	/Dec	-0.99	0.317	31.683
Nat_IGT-D_Med	60	60	17	23	15.8	641	/Dec	-0.99	0.594	59.406

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-D_Med	70	90	22	25.8	18.3	635	/Dec	-0.99	0.891	89.109
Nat_IGT-D_Med	80	122	25	28.2	20.4	629	/Dec	-0.99	1.208	120.792
Nat_IGT-D_Med	90	154	28	30.3	22.3	622	/Dec	-0.99	1.525	152.475
Nat_IGT-D_Med	100	184	31	32	23.9	616	/Dec	-0.99	1.822	182.178
Nat_IGT-D_Med	110	214	34	33.5	25.4	610	/Dec	-0.99	2.119	211.881
Nat_IGT-D_Med	120	242	36	34.9	26.6	604	/Dec	-0.99	2.396	239.604
Nat_IGT-D_Med	130	269	38	36.1	27.8	596	/Dec	-0.99	2.663	266.337
Nat_IGT-D_Med	140	294	40	37.1	28.8	590	/Dec	-0.99	2.911	291.089
Nat_IGT-D_Med	150	317	42	38.1	29.7	584	/Dec	-0.99	3.138	313.862
Nat_IGT-D_Med	160	338	43	38.9	30.5	580	/Dec	-0.99	3.346	334.654
Nat_IGT-D_Med	170	358	44	39.7	31.2	576	/Dec	-0.99	3.544	354.456
Nat_IGT-D_Med	180	376	45	40.4	31.9	573	/Dec	-0.99	3.722	372.278
Nat_IGT-D_Med	190	392	46	41	32.5	567	/Dec	-0.99	3.881	388.119
Nat_IGT-D_Med	200	408	47	41.5	33.1	562	/Dec	-0.99	4.039	403.961
Nat_IGT-D_Med	210	422	48	42.1	33.5	558	/Dec	-0.99	4.178	417.822
Nat_IGT-D_Med	220	435	49	42.5	34	553	/Dec	-0.99	4.307	430.693
Nat_IGT-D_Med	230	447	49	43	34.4	548	/Dec	-0.99	4.425	442.575
Nat_IGT-D_Med	240	458	50	43.4	34.8	544	/Dec	-0.99	4.534	453.466
Nat_IGT-D_Med	250	468	51	43.7	35.2	540	/Dec	-0.99	4.633	463.367
Nat_IGT-D_Med	260	477	51	44.1	35.5	536	/Dec	-0.99	4.722	472.278
Nat_IGT-D_Med	270	485	51	44.4	35.8	531	/Dec	-0.99	4.802	480.198
Nat_IGT-D_Med	280	493	52	44.6	36.1	527	/Dec	-0.99	4.881	488.119
Nat_IGT-D_Med	290	499	52	44.9	36.3	523	/Dec	-0.99	4.94	494.06
Nat_IGT-D_Med	300	506	52	45.2	36.6	519	/Dec	-0.99	5.009	500.991
Nat_IGT-D_Med	310	506	52	45.2	36.6	519	/Dec	-0.99	5.009	500.991

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-D_Med	320	506	52	45.2	36.6	519	/Dec	-0.99	5.009	500.991
Nat_IGT-D_Med	330	506	52	45.2	36.6	519	/Dec	-0.99	5.009	500.991
Nat_IGT-D_Med	340	506	52	45.2	36.6	519	/Dec	-0.99	5.009	500.991
Nat_IGT-D_Med	350	506	52	45.2	36.6	519	/Dec	-0.99	5.009	500.991
Nat_IGT-D_Low	0	0	0	0	0	0	/Dec	-3.85	0	0
Nat_IGT-D_Low	10	0	0	0	0.1	90	/Dec	-3.85	0	0
Nat_IGT-D_Low	20	0	0	0	1.5	621	/Dec	-3.85	0	0
Nat_IGT-D_Low	30	0	0	0	3.9	604	/Dec	-3.85	0	0
Nat_IGT-D_Low	40	0	2	0	6.3	587	/Dec	-3.85	0	0
Nat_IGT-D_Low	50	4	5	15.1	8.6	579	/Dec	-3.85	0.154	3.846
Nat_IGT-D_Low	60	13	8	16.6	10.7	574	/Dec	-3.85	0.501	12.499
Nat_IGT-D_Low	70	24	10	18.7	12.5	567	/Dec	-3.85	0.924	23.076
Nat_IGT-D_Low	80	36	13	20.7	14.1	562	/Dec	-3.85	1.386	34.614
Nat_IGT-D_Low	90	49	15	22.4	15.5	559	/Dec	-3.85	1.887	47.113
Nat_IGT-D_Low	100	61	17	23.9	16.7	555	/Dec	-3.85	2.349	58.651
Nat_IGT-D_Low	110	74	18	25.2	17.8	552	/Dec	-3.85	2.849	71.151
Nat_IGT-D_Low	120	85	20	26.3	18.8	548	/Dec	-3.85	3.273	81.727
Nat_IGT-D_Low	130	97	21	27.3	19.7	545	/Dec	-3.85	3.735	93.265
Nat_IGT-D_Low	140	107	22	28.2	20.5	541	/Dec	-3.85	4.12	102.88
Nat_IGT-D_Low	150	118	23	29.1	21.2	538	/Dec	-3.85	4.543	113.457
Nat_IGT-D_Low	160	127	24	29.8	21.8	535	/Dec	-3.85	4.89	122.11
Nat_IGT-D_Low	170	136	25	30.4	22.4	532	/Dec	-3.85	5.236	130.764
Nat_IGT-D_Low	180	144	26	31	22.9	529	/Dec	-3.85	5.544	138.456
Nat_IGT-D_Low	190	151	26	31.5	23.4	526	/Dec	-3.85	5.814	145.186
Nat_IGT-D_Low	200	157	27	32	23.8	522	/Dec	-3.85	6.045	150.955

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-D_Low	210	163	27	32.4	24.2	518	/Dec	-3.85	6.276	156.724
Nat_IGT-D_Low	220	168	28	32.8	24.6	514	/Dec	-3.85	6.468	161.532
Nat_IGT-D_Low	230	173	28	33.1	24.9	511	/Dec	-3.85	6.661	166.339
Nat_IGT-D_Low	240	178	29	33.5	25.2	508	/Dec	-3.85	6.853	171.147
Nat_IGT-D_Low	250	182	29	33.8	25.5	505	/Dec	-3.85	7.007	174.993
Nat_IGT-D_Low	260	186	29	34.1	25.8	503	/Dec	-3.85	7.161	178.839
Nat_IGT-D_Low	270	190	30	34.3	26	500	/Dec	-3.85	7.315	182.685
Nat_IGT-D_Low	280	194	30	34.6	26.3	496	/Dec	-3.85	7.469	186.531
Nat_IGT-D_Low	290	197	30	34.8	26.5	493	/Dec	-3.85	7.585	189.415
Nat_IGT-D_Low	300	200	30	35	26.7	491	/Dec	-3.85	7.7	192.3
Nat_IGT-D_Low	310	200	30	35	26.7	491	/Dec	-3.85	7.7	192.3
Nat_IGT-D_Low	320	200	30	35	26.7	491	/Dec	-3.85	7.7	192.3
Nat_IGT-D_Low	330	200	30	35	26.7	491	/Dec	-3.85	7.7	192.3
Nat_IGT-D_Low	340	200	30	35	26.7	491	/Dec	-3.85	7.7	192.3
Nat_IGT-D_Low	350	200	30	35	26.7	491	/Dec	-3.85	7.7	192.3
Nat_IGT-H_High	0	0	0	0	0	0	/Dec	0	0	0
Nat_IGT-H_High	10	0	0	0	0.1	652	/Dec	0	0	0
Nat_IGT-H_High	20	0	0	0	1.8	919	/Dec	0	0	0
Nat_IGT-H_High	30	0	1	0	4.6	900	/Dec	0	0	0
Nat_IGT-H_High	40	8	7	0	8.2	879	/Dec	0	0	8
Nat_IGT-H_High	50	34	15	17.4	11.7	862	/Dec	0	0	34
Nat_IGT-H_High	60	88	24	22.5	14.9	841	/Dec	0	0	88
Nat_IGT-H_High	70	155	32	26.4	17.6	823	/Dec	0	0	155
Nat_IGT-H_High	80	221	38	29.4	20	800	/Dec	0	0	221
Nat_IGT-H_High	90	276	42	31.5	22.1	771	/Dec	0	0	276

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-H_High	100	330	46	33.5	23.8	742	/Dec	0	0	330
Nat_IGT-H_High	110	373	48	35.1	25.4	714	/Dec	0	0	373
Nat_IGT-H_High	120	407	50	36.3	26.7	688	/Dec	0	0	407
Nat_IGT-H_High	130	436	51	37.4	27.9	666	/Dec	0	0	436
Nat_IGT-H_High	140	457	51	38.3	28.9	640	/Dec	0	0	457
Nat_IGT-H_High	150	474	52	39	29.8	614	/Dec	0	0	474
Nat_IGT-H_High	160	487	52	39.7	30.6	594	/Dec	0	0	487
Nat_IGT-H_High	170	497	52	40.2	31.4	577	/Dec	0	0	497
Nat_IGT-H_High	180	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	190	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	200	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	210	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	220	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	230	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	240	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	250	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	260	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	270	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	280	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	290	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	300	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	310	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	320	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	330	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_High	340	505	52	40.7	32	562	/Dec	0	0	505

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-H_High	350	505	52	40.7	32	562	/Dec	0	0	505
Nat_IGT-H_Med	0	0	0	0	0	0	/Dec	0	0	0
Nat_IGT-H_Med	10	0	0	0	0.1	608	/Dec	0	0	0
Nat_IGT-H_Med	20	0	0	0	1	901	/Dec	0	0	0
Nat_IGT-H_Med	30	0	0	0	2.5	888	/Dec	0	0	0
Nat_IGT-H_Med	40	0	1	0	4.9	872	/Dec	0	0	0
Nat_IGT-H_Med	50	0	4	0	7.6	860	/Dec	0	0	0
Nat_IGT-H_Med	60	8	9	14.8	10.3	847	/Dec	0	0	8
Nat_IGT-H_Med	70	40	16	18.9	12.8	835	/Dec	0	0	40
Nat_IGT-H_Med	80	83	23	22.6	15	820	/Dec	0	0	83
Nat_IGT-H_Med	90	132	29	25.6	17	808	/Dec	0	0	132
Nat_IGT-H_Med	100	180	34	28	18.8	793	/Dec	0	0	180
Nat_IGT-H_Med	110	221	38	29.8	20.4	775	/Dec	0	0	221
Nat_IGT-H_Med	120	257	40	31.3	21.8	755	/Dec	0	0	257
Nat_IGT-H_Med	130	293	43	32.7	23	736	/Dec	0	0	293
Nat_IGT-H_Med	140	325	45	33.9	24.1	719	/Dec	0	0	325
Nat_IGT-H_Med	150	350	46	34.9	25.1	701	/Dec	0	0	350
Nat_IGT-H_Med	160	372	47	35.8	25.9	686	/Dec	0	0	372
Nat_IGT-H_Med	170	390	48	36.5	26.7	671	/Dec	0	0	390
Nat_IGT-H_Med	180	405	49	37.1	27.4	658	/Dec	0	0	405
Nat_IGT-H_Med	190	419	49	37.7	28	647	/Dec	0	0	419
Nat_IGT-H_Med	200	428	49	38.2	28.5	631	/Dec	0	0	428
Nat_IGT-H_Med	210	437	49	38.6	29	616	/Dec	0	0	437
Nat_IGT-H_Med	220	445	50	39	29.5	602	/Dec	0	0	445
Nat_IGT-H_Med	230	452	50	39.3	29.9	590	/Dec	0	0	452

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-H_Med	240	457	50	39.6	30.2	580	/Dec	0	0	457
Nat_IGT-H_Med	250	461	50	39.9	30.6	572	/Dec	0	0	461
Nat_IGT-H_Med	260	465	50	40.1	30.9	564	/Dec	0	0	465
Nat_IGT-H_Med	270	468	50	40.4	31.2	557	/Dec	0	0	468
Nat_IGT-H_Med	280	472	50	40.6	31.4	551	/Dec	0	0	472
Nat_IGT-H_Med	290	475	50	40.8	31.7	544	/Dec	0	0	475
Nat_IGT-H_Med	300	477	50	41	31.9	539	/Dec	0	0	477
Nat_IGT-H_Med	310	477	50	41	31.9	539	/Dec	0	0	477
Nat_IGT-H_Med	320	477	50	41	31.9	539	/Dec	0	0	477
Nat_IGT-H_Med	330	477	50	41	31.9	539	/Dec	0	0	477
Nat_IGT-H_Med	340	477	50	41	31.9	539	/Dec	0	0	477
Nat_IGT-H_Med	350	477	50	41	31.9	539	/Dec	0	0	477
Nat_IGT-I_High	0	0	0	0	0	0	/Dec	0	0	0
Nat_IGT-I_High	10	0	0	0	0	578	/Dec	0	0	0
Nat_IGT-I_High	20	0	0	0	0.9	887	/Dec	0	0	0
Nat_IGT-I_High	30	0	0	0	2.8	873	/Dec	0	0	0
Nat_IGT-I_High	40	0	1	0	5.6	857	/Dec	0	0	0
Nat_IGT-I_High	50	2	5	14.4	8.5	846	/Dec	0	0	2
Nat_IGT-I_High	60	21	13	16.8	11.5	835	/Dec	0	0	21
Nat_IGT-I_High	70	66	21	21.5	14.3	816	/Dec	0	0	66
Nat_IGT-I_High	80	128	29	25.4	17	802	/Dec	0	0	128
Nat_IGT-I_High	90	195	35	28.7	19.5	780	/Dec	0	0	195
Nat_IGT-I_High	100	256	40	31.3	21.9	750	/Dec	0	0	256
Nat_IGT-I_High	110	322	44	33.7	24.1	717	/Dec	0	0	322
Nat_IGT-I_High	120	376	47	35.9	26.2	685	/Dec	0	0	376

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-I_High	130	423	49	37.6	28	655	/Dec	0	0	423
Nat_IGT-I_High	140	460	51	39.1	29.8	612	/Dec	0	0	460
Nat_IGT-I_High	150	493	52	40.4	31.4	584	/Dec	0	0	493
Nat_IGT-I_High	160	519	53	41.5	32.8	551	/Dec	0	0	519
Nat_IGT-I_High	170	538	52	42.6	34.2	515	/Dec	0	0	538
Nat_IGT-I_High	180	549	52	43.4	35.4	478	/Dec	0	0	549
Nat_IGT-I_High	190	555	51	44.2	36.6	447	/Dec	0	0	555
Nat_IGT-I_High	200	557	50	44.8	37.6	420	/Dec	0	0	557
Nat_IGT-I_High	210	558	49	45.3	38.5	397	/Dec	0	0	558
Nat_IGT-I_High	220	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-I_High	230	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-I_High	240	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-I_High	250	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-I_High	260	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-I_High	270	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-I_High	280	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-I_High	290	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-I_High	300	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-I_High	310	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-I_High	320	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-I_High	330	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-I_High	340	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-I_High	350	559	48	45.8	39.4	376	/Dec	0	0	559
Nat_IGT-J_High	0	0	0	0	0	0	/Dec	0	0	0
Nat_IGT-J_High	10	0	0	0	0.1	585	/Dec	0	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-J_High	20	0	0	0	1.1	886	/Dec	0	0	0
Nat_IGT-J_High	30	0	0	0	3	871	/Dec	0	0	0
Nat_IGT-J_High	40	0	2	0	5.9	855	/Dec	0	0	0
Nat_IGT-J_High	50	4	6	14.6	9	843	/Dec	0	0	4
Nat_IGT-J_High	60	26	14	17.5	11.9	832	/Dec	0	0	26
Nat_IGT-J_High	70	72	22	22	14.7	814	/Dec	0	0	72
Nat_IGT-J_High	80	131	29	25.7	17.2	800	/Dec	0	0	131
Nat_IGT-J_High	90	190	35	28.6	19.5	780	/Dec	0	0	190
Nat_IGT-J_High	100	243	39	30.9	21.6	754	/Dec	0	0	243
Nat_IGT-J_High	110	298	43	33	23.5	726	/Dec	0	0	298
Nat_IGT-J_High	120	345	45	34.8	25.2	699	/Dec	0	0	345
Nat_IGT-J_High	130	384	47	36.3	26.8	674	/Dec	0	0	384
Nat_IGT-J_High	140	416	49	37.6	28.2	643	/Dec	0	0	416
Nat_IGT-J_High	150	443	50	38.7	29.5	622	/Dec	0	0	443
Nat_IGT-J_High	160	466	50	39.6	30.7	597	/Dec	0	0	466
Nat_IGT-J_High	170	482	50	40.5	31.7	569	/Dec	0	0	482
Nat_IGT-J_High	180	494	50	41.2	32.7	542	/Dec	0	0	494
Nat_IGT-J_High	190	503	50	41.8	33.5	519	/Dec	0	0	503
Nat_IGT-J_High	200	508	50	42.4	34.3	501	/Dec	0	0	508
Nat_IGT-J_High	210	512	49	42.8	35.1	484	/Dec	0	0	512
Nat_IGT-J_High	220	516	49	43.2	35.7	469	/Dec	0	0	516
Nat_IGT-J_High	230	516	49	43.2	35.7	469	/Dec	0	0	516
Nat_IGT-J_High	240	516	49	43.2	35.7	469	/Dec	0	0	516
Nat_IGT-J_High	250	516	49	43.2	35.7	469	/Dec	0	0	516
Nat_IGT-J_High	260	516	49	43.2	35.7	469	/Dec	0	0	516

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-J_High	270	516	49	43.2	35.7	469	/Dec	0	0	516
Nat_IGT-J_High	280	516	49	43.2	35.7	469	/Dec	0	0	516
Nat_IGT-J_High	290	516	49	43.2	35.7	469	/Dec	0	0	516
Nat_IGT-J_High	300	516	49	43.2	35.7	469	/Dec	0	0	516
Nat_IGT-J_High	310	516	49	43.2	35.7	469	/Dec	0	0	516
Nat_IGT-J_High	320	516	49	43.2	35.7	469	/Dec	0	0	516
Nat_IGT-J_High	330	516	49	43.2	35.7	469	/Dec	0	0	516
Nat_IGT-J_High	340	516	49	43.2	35.7	469	/Dec	0	0	516
Nat_IGT-J_High	350	516	49	43.2	35.7	469	/Dec	0	0	516
Nat_IGT-K_High	0	0	0	0	0	0	/Dec	-9.91	0	0
Nat_IGT-K_High	10	0	0	0	0.1	637	/Dec	-9.91	0	0
Nat_IGT-K_High	20	0	0	0	1.7	882	/Dec	-9.91	0	0
Nat_IGT-K_High	30	2	2	0	5.7	857	/Dec	-9.91	0.198	1.802
Nat_IGT-K_High	40	15	9	15.6	10	839	/Dec	-9.91	1.487	13.513
Nat_IGT-K_High	50	66	20	21.1	14	819	/Dec	-9.91	6.541	59.459
Nat_IGT-K_High	60	150	31	26.4	17.7	798	/Dec	-9.91	14.865	135.135
Nat_IGT-K_High	70	239	39	30.5	21.1	765	/Dec	-9.91	23.685	215.315
Nat_IGT-K_High	80	327	45	33.8	24.2	721	/Dec	-9.91	32.406	294.594
Nat_IGT-K_High	90	402	49	36.6	27	677	/Dec	-9.91	39.838	362.162
Nat_IGT-K_High	100	462	51	38.8	29.6	622	/Dec	-9.91	45.784	416.216
Nat_IGT-K_High	110	511	53	40.7	31.9	579	/Dec	-9.91	50.64	460.36
Nat_IGT-K_High	120	542	53	42.4	34	522	/Dec	-9.91	53.712	488.288
Nat_IGT-K_High	130	557	51	43.6	35.9	469	/Dec	-9.91	55.199	501.801
Nat_IGT-K_High	140	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	150	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-K_High	160	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	170	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	180	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	190	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	200	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	210	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	220	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	230	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	240	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	250	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	260	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	270	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	280	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	290	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	300	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	310	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	320	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	330	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	340	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_High	350	564	50	44.7	37.7	426	/Dec	-9.91	55.892	508.108
Nat_IGT-K_Med	0	0	0	0	0	0	/Dec	0	0	0
Nat_IGT-K_Med	10	0	0	0	0.1	512	/Dec	0	0	0
Nat_IGT-K_Med	20	0	0	0	2	853	/Dec	0	0	0
Nat_IGT-K_Med	30	0	2	0	5.2	833	/Dec	0	0	0
Nat_IGT-K_Med	40	11	8	0	8.6	813	/Dec	0	0	11

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-K_Med	50	35	15	18	11.9	796	/Dec	0	0	35
Nat_IGT-K_Med	60	84	23	22.6	14.7	782	/Dec	0	0	84
Nat_IGT-K_Med	70	140	30	26.2	17.3	767	/Dec	0	0	140
Nat_IGT-K_Med	80	200	36	29.1	19.7	751	/Dec	0	0	200
Nat_IGT-K_Med	90	254	40	31.3	21.8	727	/Dec	0	0	254
Nat_IGT-K_Med	100	308	43	33.4	23.6	702	/Dec	0	0	308
Nat_IGT-K_Med	110	352	46	35.1	25.3	676	/Dec	0	0	352
Nat_IGT-K_Med	120	389	47	36.5	26.9	647	/Dec	0	0	389
Nat_IGT-K_Med	130	421	49	37.7	28.3	621	/Dec	0	0	421
Nat_IGT-K_Med	140	447	50	38.7	29.5	595	/Dec	0	0	447
Nat_IGT-K_Med	150	466	50	39.7	30.7	567	/Dec	0	0	466
Nat_IGT-K_Med	160	479	50	40.4	31.7	540	/Dec	0	0	479
Nat_IGT-K_Med	170	486	49	41.1	32.7	517	/Dec	0	0	486
Nat_IGT-K_Med	180	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	190	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	200	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	210	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	220	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	230	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	240	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	250	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	260	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	270	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	280	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	290	491	48	41.6	33.5	496	/Dec	0	0	491

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-K_Med	300	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	310	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	320	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	330	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	340	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-K_Med	350	491	48	41.6	33.5	496	/Dec	0	0	491
Nat_IGT-M_High	0	0	0	0	0	0	/Dec	0	0	0
Nat_IGT-M_High	10	0	0	0	0.2	486	/Dec	0	0	0
Nat_IGT-M_High	20	0	0	0	3.6	894	/Dec	0	0	0
Nat_IGT-M_High	30	6	8	13.6	8.4	861	/Dec	0	0	6
Nat_IGT-M_High	40	54	20	20.2	12.7	828	/Dec	0	0	54
Nat_IGT-M_High	50	130	30	25.1	16.2	803	/Dec	0	0	130
Nat_IGT-M_High	60	197	36	28.2	19	778	/Dec	0	0	197
Nat_IGT-M_High	70	257	40	30.6	21.3	753	/Dec	0	0	257
Nat_IGT-M_High	80	305	43	32.4	23.1	723	/Dec	0	0	305
Nat_IGT-M_High	90	345	45	33.8	24.6	694	/Dec	0	0	345
Nat_IGT-M_High	100	381	47	35.1	25.8	671	/Dec	0	0	381
Nat_IGT-M_High	110	409	48	36.1	26.9	649	/Dec	0	0	409
Nat_IGT-M_High	120	431	49	37	27.8	627	/Dec	0	0	431
Nat_IGT-M_High	130	449	49	37.7	28.6	608	/Dec	0	0	449
Nat_IGT-M_High	140	463	49	38.3	29.3	589	/Dec	0	0	463
Nat_IGT-M_High	150	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	160	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	170	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	180	475	49	38.8	29.9	571	/Dec	0	0	475

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-M_High	190	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	200	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	210	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	220	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	230	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	240	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	250	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	260	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	270	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	280	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	290	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	300	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	310	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	320	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	330	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	340	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_High	350	475	49	38.8	29.9	571	/Dec	0	0	475
Nat_IGT-M_Med	0	0	0	0	0	0	/Dec	0	0	0
Nat_IGT-M_Med	10	0	0	0	0.2	450	/Dec	0	0	0
Nat_IGT-M_Med	20	0	0	0	3	850	/Dec	0	0	0
Nat_IGT-M_Med	30	0	4	0	6.9	826	/Dec	0	0	0
Nat_IGT-M_Med	40	22	13	16.3	10.5	801	/Dec	0	0	22
Nat_IGT-M_Med	50	64	21	21.4	13.5	780	/Dec	0	0	64
Nat_IGT-M_Med	60	119	28	25	16	765	/Dec	0	0	119
Nat_IGT-M_Med	70	166	33	27.4	18.1	751	/Dec	0	0	166

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-M_Med	80	209	37	29.3	19.8	738	/Dec	0	0	209
Nat_IGT-M_Med	90	246	39	30.7	21.1	723	/Dec	0	0	246
Nat_IGT-M_Med	100	276	41	31.9	22.3	708	/Dec	0	0	276
Nat_IGT-M_Med	110	301	43	32.9	23.3	692	/Dec	0	0	301
Nat_IGT-M_Med	120	323	44	33.7	24.1	677	/Dec	0	0	323
Nat_IGT-M_Med	130	342	45	34.4	24.8	664	/Dec	0	0	342
Nat_IGT-M_Med	140	358	45	35	25.5	653	/Dec	0	0	358
Nat_IGT-M_Med	150	373	46	35.6	26	643	/Dec	0	0	373
Nat_IGT-M_Med	160	386	47	36	26.5	634	/Dec	0	0	386
Nat_IGT-M_Med	170	396	47	36.4	26.9	624	/Dec	0	0	396
Nat_IGT-M_Med	180	404	47	36.8	27.3	616	/Dec	0	0	404
Nat_IGT-M_Med	190	412	47	37.1	27.6	608	/Dec	0	0	412
Nat_IGT-M_Med	200	418	47	37.4	27.9	601	/Dec	0	0	418
Nat_IGT-M_Med	210	424	48	37.6	28.2	594	/Dec	0	0	424
Nat_IGT-M_Med	220	429	48	37.9	28.4	588	/Dec	0	0	429
Nat_IGT-M_Med	230	434	48	38.1	28.6	582	/Dec	0	0	434
Nat_IGT-M_Med	240	438	48	38.3	28.8	577	/Dec	0	0	438
Nat_IGT-M_Med	250	442	48	38.4	29	572	/Dec	0	0	442
Nat_IGT-M_Med	260	443	48	38.6	29.2	564	/Dec	0	0	443
Nat_IGT-M_Med	270	443	47	38.8	29.3	556	/Dec	0	0	443
Nat_IGT-M_Med	280	444	47	38.9	29.5	550	/Dec	0	0	444
Nat_IGT-M_Med	290	444	47	39	29.6	543	/Dec	0	0	444
Nat_IGT-M_Med	300	445	47	39.1	29.7	537	/Dec	0	0	445
Nat_IGT-M_Med	310	445	47	39.1	29.7	537	/Dec	0	0	445
Nat_IGT-M_Med	320	445	47	39.1	29.7	537	/Dec	0	0	445

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-M_Med	330	445	47	39.1	29.7	537	/Dec	0	0	445
Nat_IGT-M_Med	340	445	47	39.1	29.7	537	/Dec	0	0	445
Nat_IGT-M_Med	350	445	47	39.1	29.7	537	/Dec	0	0	445
Nat_IGT-M_Low	0	0	0	0	0	0	/Dec	0	0	0
Nat_IGT-M_Low	10	0	0	0	0.1	300	/Dec	0	0	0
Nat_IGT-M_Low	20	0	0	0	2	808	/Dec	0	0	0
Nat_IGT-M_Low	30	0	1	0	4.6	792	/Dec	0	0	0
Nat_IGT-M_Low	40	1	4	12.6	7.2	773	/Dec	0	0	1
Nat_IGT-M_Low	50	12	10	15.1	9.6	759	/Dec	0	0	12
Nat_IGT-M_Low	60	31	14	18.5	11.7	747	/Dec	0	0	31
Nat_IGT-M_Low	70	56	19	21.3	13.6	738	/Dec	0	0	56
Nat_IGT-M_Low	80	86	23	23.6	15.1	730	/Dec	0	0	86
Nat_IGT-M_Low	90	113	27	25.5	16.5	723	/Dec	0	0	113
Nat_IGT-M_Low	100	138	29	26.9	17.7	716	/Dec	0	0	138
Nat_IGT-M_Low	110	161	31	28.2	18.8	709	/Dec	0	0	161
Nat_IGT-M_Low	120	183	33	29.2	19.8	702	/Dec	0	0	183
Nat_IGT-M_Low	130	203	35	30.1	20.6	695	/Dec	0	0	203
Nat_IGT-M_Low	140	220	36	30.9	21.3	688	/Dec	0	0	220
Nat_IGT-M_Low	150	235	37	31.6	22	680	/Dec	0	0	235
Nat_IGT-M_Low	160	248	38	32.1	22.6	671	/Dec	0	0	248
Nat_IGT-M_Low	170	260	39	32.7	23.2	664	/Dec	0	0	260
Nat_IGT-M_Low	180	271	39	33.1	23.6	658	/Dec	0	0	271
Nat_IGT-M_Low	190	281	40	33.6	24.1	651	/Dec	0	0	281
Nat_IGT-M_Low	200	289	40	34	24.5	643	/Dec	0	0	289
Nat_IGT-M_Low	210	295	40	34.3	24.9	635	/Dec	0	0	295

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-M_Low	220	302	41	34.6	25.2	628	/Dec	0	0	302
Nat_IGT-M_Low	230	307	41	34.9	25.5	622	/Dec	0	0	307
Nat_IGT-M_Low	240	312	41	35.2	25.8	616	/Dec	0	0	312
Nat_IGT-M_Low	250	316	41	35.4	26.1	611	/Dec	0	0	316
Nat_IGT-M_Low	260	320	41	35.6	26.3	606	/Dec	0	0	320
Nat_IGT-M_Low	270	324	42	35.8	26.6	602	/Dec	0	0	324
Nat_IGT-M_Low	280	328	42	36	26.8	597	/Dec	0	0	328
Nat_IGT-M_Low	290	331	42	36.2	27	594	/Dec	0	0	331
Nat_IGT-M_Low	300	331	42	36.2	27	594	/Dec	0	0	331
Nat_IGT-M_Low	310	331	42	36.2	27	594	/Dec	0	0	331
Nat_IGT-M_Low	320	331	42	36.2	27	594	/Dec	0	0	331
Nat_IGT-M_Low	330	331	42	36.2	27	594	/Dec	0	0	331
Nat_IGT-M_Low	340	331	42	36.2	27	594	/Dec	0	0	331
Nat_IGT-M_Low	350	331	42	36.2	27	594	/Dec	0	0	331
Nat_IGT-N_High	0	0	0	0	0	0	/Dec	-39.4	0	0
Nat_IGT-N_High	10	0	0	0	0.3	485	/Dec	-39.4	0	0
Nat_IGT-N_High	20	0	0	0	3.4	896	/Dec	-39.4	0	0
Nat_IGT-N_High	30	1	6	13.5	7.8	866	/Dec	-39.4	0.394	0.606
Nat_IGT-N_High	40	34	17	18.4	11.6	835	/Dec	-39.4	13.393	20.607
Nat_IGT-N_High	50	97	26	23.3	14.8	809	/Dec	-39.4	38.208	58.792
Nat_IGT-N_High	60	159	33	26.6	17.3	788	/Dec	-39.4	62.63	96.37
Nat_IGT-N_High	70	211	37	28.8	19.3	768	/Dec	-39.4	83.113	127.887
Nat_IGT-N_High	80	255	40	30.4	20.9	749	/Dec	-39.4	100.445	154.555
Nat_IGT-N_High	90	290	42	31.7	22.3	730	/Dec	-39.4	114.231	175.769
Nat_IGT-N_High	100	318	44	32.7	23.4	706	/Dec	-39.4	125.26	192.74

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Nat_IGT-N_High	110	342	45	33.6	24.3	687	/Dec	-39.4	134.714	207.286
Nat_IGT-N_High	120	364	46	34.3	25	671	/Dec	-39.4	143.38	220.62
Nat_IGT-N_High	130	382	47	35	25.7	658	/Dec	-39.4	150.47	231.53
Nat_IGT-N_High	140	397	47	35.5	26.2	645	/Dec	-39.4	156.378	240.622
Nat_IGT-N_High	150	408	47	36	26.7	632	/Dec	-39.4	160.711	247.289
Nat_IGT-N_High	160	418	48	36.4	27.1	621	/Dec	-39.4	164.65	253.35
Nat_IGT-N_High	170	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	180	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	190	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	200	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	210	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	220	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	230	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	240	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	250	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	260	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	270	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	280	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	290	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	300	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	310	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	320	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	330	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	340	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199
Nat_IGT-N_High	350	426	48	36.8	27.5	611	/Dec	-39.4	167.801	258.199

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-A_High	0	0	0	0	0	0	/Dec	0	0	0
Man_IGT-A_High	10	0	0	0	2	1174	/Dec	0	0	0
Man_IGT-A_High	20	1	5	14	6.4	1102	/Dec	0	0	1
Man_IGT-A_High	30	21	13	17.4	10.7	1065	/Dec	0	0	21
Man_IGT-A_High	40	59	20	21.9	14.4	1052	/Dec	0	0	59
Man_IGT-A_High	50	105	27	25.2	17.8	1046	/Dec	0	0	105
Man_IGT-A_High	60	155	32	28	20.7	1040	/Dec	0	0	155
Man_IGT-A_High	70	208	37	30.3	23.2	1029	/Dec	0	0	208
Man_IGT-A_High	80	261	41	32.3	25.4	1017	/Dec	0	0	261
Man_IGT-A_High	90	313	45	34.1	27.4	1008	/Dec	0	0	313
Man_IGT-A_High	100	363	49	35.7	29.1	996	/Dec	0	0	363
Man_IGT-A_High	110	410	52	37	30.7	983	/Dec	0	0	410
Man_IGT-A_High	120	453	54	38.2	32.1	969	/Dec	0	0	453
Man_IGT-A_High	130	494	56	39.3	33.3	948	/Dec	0	0	494
Man_IGT-A_High	140	532	58	40.3	34.5	928	/Dec	0	0	532
Man_IGT-A_High	150	565	60	41.2	35.5	909	/Dec	0	0	565
Man_IGT-A_High	160	596	61	42	36.4	891	/Dec	0	0	596
Man_IGT-A_High	170	624	62	42.7	37.3	873	/Dec	0	0	624
Man_IGT-A_High	180	651	63	43.4	38	857	/Dec	0	0	651
Man_IGT-A_High	190	675	64	44	38.7	835	/Dec	0	0	675
Man_IGT-A_High	200	696	64	44.6	39.4	814	/Dec	0	0	696
Man_IGT-A_High	210	717	65	45.1	40	795	/Dec	0	0	717
Man_IGT-A_High	220	731	65	45.6	40.6	774	/Dec	0	0	731
Man_IGT-A_High	230	744	65	46	41.1	755	/Dec	0	0	744
Man_IGT-A_High	240	756	65	46.4	41.6	737	/Dec	0	0	756

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-A_High	250	768	65	46.8	42	720	/Dec	0	0	768
Man_IGT-A_High	260	776	65	47.2	42.5	704	/Dec	0	0	776
Man_IGT-A_High	270	783	64	47.5	42.9	689	/Dec	0	0	783
Man_IGT-A_High	280	791	64	47.8	43.2	674	/Dec	0	0	791
Man_IGT-A_High	290	797	64	48.1	43.6	661	/Dec	0	0	797
Man_IGT-A_High	300	797	64	48.1	43.6	661	/Dec	0	0	797
Man_IGT-A_High	310	797	64	48.1	43.6	661	/Dec	0	0	797
Man_IGT-A_High	320	797	64	48.1	43.6	661	/Dec	0	0	797
Man_IGT-A_High	330	797	64	48.1	43.6	661	/Dec	0	0	797
Man_IGT-A_High	340	797	64	48.1	43.6	661	/Dec	0	0	797
Man_IGT-A_High	350	797	64	48.1	43.6	661	/Dec	0	0	797
Man_IGT-A_Med	0	0	0	0	0	0	/Dec	0	0	0
Man_IGT-A_Med	10	0	0	0	1.7	1037	/Dec	0	0	0
Man_IGT-A_Med	20	0	3	0	5.5	981	/Dec	0	0	0
Man_IGT-A_Med	30	10	9	15.1	9.2	947	/Dec	0	0	10
Man_IGT-A_Med	40	36	15	19.8	12.7	931	/Dec	0	0	36
Man_IGT-A_Med	50	71	21	23.4	15.7	924	/Dec	0	0	71
Man_IGT-A_Med	60	111	26	26.3	18.4	921	/Dec	0	0	111
Man_IGT-A_Med	70	153	31	28.6	20.8	916	/Dec	0	0	153
Man_IGT-A_Med	80	196	35	30.6	22.8	910	/Dec	0	0	196
Man_IGT-A_Med	90	237	38	32.3	24.7	903	/Dec	0	0	237
Man_IGT-A_Med	100	276	42	33.8	26.3	893	/Dec	0	0	276
Man_IGT-A_Med	110	313	44	35.1	27.8	883	/Dec	0	0	313
Man_IGT-A_Med	120	347	47	36.2	29.1	872	/Dec	0	0	347
Man_IGT-A_Med	130	378	49	37.3	30.3	860	/Dec	0	0	378

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-A_Med	140	407	50	38.2	31.4	849	/Dec	0	0	407
Man_IGT-A_Med	150	432	52	39	32.4	839	/Dec	0	0	432
Man_IGT-A_Med	160	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	170	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	180	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	190	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	200	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	210	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	220	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	230	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	240	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	250	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	260	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	270	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	280	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	290	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	300	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	310	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	320	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	330	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	340	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-A_Med	350	456	53	39.7	33.3	827	/Dec	0	0	456
Man_IGT-C_High	0	0	0	0	0	0	/Dec	0	0	0
Man_IGT-C_High	10	0	0	0	1.6	712	/Dec	0	0	0
Man_IGT-C_High	20	0	2	0	5.3	674	/Dec	0	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-C_High	30	10	7	15.9	9.1	646	/Dec	0	0	10
Man_IGT-C_High	40	35	13	20.1	12.6	634	/Dec	0	0	35
Man_IGT-C_High	50	68	18	24.2	15.7	631	/Dec	0	0	68
Man_IGT-C_High	60	103	23	27.5	18.4	629	/Dec	0	0	103
Man_IGT-C_High	70	140	27	30.2	20.8	626	/Dec	0	0	140
Man_IGT-C_High	80	177	31	32.5	22.9	625	/Dec	0	0	177
Man_IGT-C_High	90	214	35	34.4	24.7	624	/Dec	0	0	214
Man_IGT-C_High	100	251	38	36.2	26.3	621	/Dec	0	0	251
Man_IGT-C_High	110	286	41	37.6	27.7	619	/Dec	0	0	286
Man_IGT-C_High	120	320	44	38.9	28.9	616	/Dec	0	0	320
Man_IGT-C_High	130	351	46	40	30.1	614	/Dec	0	0	351
Man_IGT-C_High	140	381	48	41	31.1	611	/Dec	0	0	381
Man_IGT-C_High	150	408	50	42	32	609	/Dec	0	0	408
Man_IGT-C_High	160	433	52	42.7	32.8	606	/Dec	0	0	433
Man_IGT-C_High	170	457	53	43.5	33.5	603	/Dec	0	0	457
Man_IGT-C_High	180	479	55	44.1	34.2	600	/Dec	0	0	479
Man_IGT-C_High	190	500	56	44.7	34.8	597	/Dec	0	0	500
Man_IGT-C_High	200	519	57	45.3	35.4	594	/Dec	0	0	519
Man_IGT-C_High	210	536	58	45.8	35.9	590	/Dec	0	0	536
Man_IGT-C_High	220	553	59	46.3	36.4	586	/Dec	0	0	553
Man_IGT-C_High	230	569	59	46.7	36.8	583	/Dec	0	0	569
Man_IGT-C_High	240	584	60	47.1	37.3	579	/Dec	0	0	584
Man_IGT-C_High	250	597	61	47.5	37.6	576	/Dec	0	0	597
Man_IGT-C_High	260	610	61	47.9	38	571	/Dec	0	0	610
Man_IGT-C_High	270	621	62	48.2	38.3	567	/Dec	0	0	621

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-C_High	280	630	62	48.5	38.6	562	/Dec	0	0	630
Man_IGT-C_High	290	639	62	48.8	38.9	558	/Dec	0	0	639
Man_IGT-C_High	300	639	62	48.8	38.9	558	/Dec	0	0	639
Man_IGT-C_High	310	639	62	48.8	38.9	558	/Dec	0	0	639
Man_IGT-C_High	320	639	62	48.8	38.9	558	/Dec	0	0	639
Man_IGT-C_High	330	639	62	48.8	38.9	558	/Dec	0	0	639
Man_IGT-C_High	340	639	62	48.8	38.9	558	/Dec	0	0	639
Man_IGT-C_High	350	639	62	48.8	38.9	558	/Dec	0	0	639
Man_IGT-C_Med	0	0	0	0	0	0	/Dec	0	0	0
Man_IGT-C_Med	10	0	0	0	1.1	716	/Dec	0	0	0
Man_IGT-C_Med	20	0	0	0	3.2	693	/Dec	0	0	0
Man_IGT-C_Med	30	1	2	13.8	6.1	663	/Dec	0	0	1
Man_IGT-C_Med	40	7	6	15.7	9.1	641	/Dec	0	0	7
Man_IGT-C_Med	50	22	10	18.7	12	631	/Dec	0	0	22
Man_IGT-C_Med	60	44	14	22.2	14.7	627	/Dec	0	0	44
Man_IGT-C_Med	70	69	18	25.3	17.1	625	/Dec	0	0	69
Man_IGT-C_Med	80	97	22	28	19.3	623	/Dec	0	0	97
Man_IGT-C_Med	90	127	26	30.3	21.3	620	/Dec	0	0	127
Man_IGT-C_Med	100	158	29	32.3	23.1	619	/Dec	0	0	158
Man_IGT-C_Med	110	190	32	34	24.7	617	/Dec	0	0	190
Man_IGT-C_Med	120	221	35	35.6	26.1	616	/Dec	0	0	221
Man_IGT-C_Med	130	252	38	37	27.4	613	/Dec	0	0	252
Man_IGT-C_Med	140	280	40	38.2	28.6	611	/Dec	0	0	280
Man_IGT-C_Med	150	308	42	39.3	29.6	608	/Dec	0	0	308
Man_IGT-C_Med	160	334	44	40.3	30.6	606	/Dec	0	0	334

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-C_Med	170	358	46	41.1	31.4	604	/Dec	0	0	358
Man_IGT-C_Med	180	381	48	41.9	32.2	602	/Dec	0	0	381
Man_IGT-C_Med	190	402	49	42.6	32.9	599	/Dec	0	0	402
Man_IGT-C_Med	200	422	50	43.3	33.6	597	/Dec	0	0	422
Man_IGT-C_Med	210	440	51	43.9	34.2	595	/Dec	0	0	440
Man_IGT-C_Med	220	459	52	44.4	34.8	592	/Dec	0	0	459
Man_IGT-C_Med	230	475	53	44.9	35.3	589	/Dec	0	0	475
Man_IGT-C_Med	240	491	54	45.4	35.8	587	/Dec	0	0	491
Man_IGT-C_Med	250	506	55	45.8	36.2	584	/Dec	0	0	506
Man_IGT-C_Med	260	519	56	46.2	36.6	581	/Dec	0	0	519
Man_IGT-C_Med	270	532	57	46.6	37	578	/Dec	0	0	532
Man_IGT-C_Med	280	544	57	47	37.3	575	/Dec	0	0	544
Man_IGT-C_Med	290	555	58	47.3	37.7	573	/Dec	0	0	555
Man_IGT-C_Med	300	555	58	47.3	37.7	573	/Dec	0	0	555
Man_IGT-C_Med	310	555	58	47.3	37.7	573	/Dec	0	0	555
Man_IGT-C_Med	320	555	58	47.3	37.7	573	/Dec	0	0	555
Man_IGT-C_Med	330	555	58	47.3	37.7	573	/Dec	0	0	555
Man_IGT-C_Med	340	555	58	47.3	37.7	573	/Dec	0	0	555
Man_IGT-C_Med	350	555	58	47.3	37.7	573	/Dec	0	0	555
Man_IGT-D_High	0	0	0	0	0	0	/Dec	0	0	0
Man_IGT-D_High	10	0	0	0	2.2	1184	/Dec	0	0	0
Man_IGT-D_High	20	1	5	14	6.8	1110	/Dec	0	0	1
Man_IGT-D_High	30	29	15	18.2	11.2	1076	/Dec	0	0	29
Man_IGT-D_High	40	76	23	22.8	15	1063	/Dec	0	0	76
Man_IGT-D_High	50	129	30	26.1	18.4	1057	/Dec	0	0	129

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-D_High	60	184	35	28.8	21.3	1049	/Dec	0	0	184
Man_IGT-D_High	70	239	40	31.1	23.8	1035	/Dec	0	0	239
Man_IGT-D_High	80	293	44	33	25.9	1021	/Dec	0	0	293
Man_IGT-D_High	90	345	48	34.6	27.8	1008	/Dec	0	0	345
Man_IGT-D_High	100	393	51	36.1	29.4	993	/Dec	0	0	393
Man_IGT-D_High	110	435	54	37.3	30.8	975	/Dec	0	0	435
Man_IGT-D_High	120	474	56	38.3	32	955	/Dec	0	0	474
Man_IGT-D_High	130	509	57	39.3	33.1	935	/Dec	0	0	509
Man_IGT-D_High	140	538	59	40.1	34	914	/Dec	0	0	538
Man_IGT-D_High	150	564	60	40.8	34.8	895	/Dec	0	0	564
Man_IGT-D_High	160	586	60	41.4	35.5	878	/Dec	0	0	586
Man_IGT-D_High	170	606	61	41.9	36.1	862	/Dec	0	0	606
Man_IGT-D_High	180	624	62	42.4	36.7	848	/Dec	0	0	624
Man_IGT-D_High	190	639	62	42.9	37.2	833	/Dec	0	0	639
Man_IGT-D_High	200	651	62	43.2	37.6	817	/Dec	0	0	651
Man_IGT-D_High	210	660	62	43.6	38	800	/Dec	0	0	660
Man_IGT-D_High	220	667	62	43.9	38.3	784	/Dec	0	0	667
Man_IGT-D_High	230	673	62	44.1	38.7	770	/Dec	0	0	673
Man_IGT-D_High	240	678	62	44.4	38.9	758	/Dec	0	0	678
Man_IGT-D_High	250	683	62	44.6	39.2	746	/Dec	0	0	683
Man_IGT-D_High	260	687	62	44.8	39.4	736	/Dec	0	0	687
Man_IGT-D_High	270	690	61	45	39.6	726	/Dec	0	0	690
Man_IGT-D_High	280	693	61	45.1	39.8	718	/Dec	0	0	693
Man_IGT-D_High	290	696	61	45.3	40	710	/Dec	0	0	696
Man_IGT-D_High	300	696	61	45.3	40	710	/Dec	0	0	696

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-D_High	310	696	61	45.3	40	710	/Dec	0	0	696
Man_IGT-D_High	320	696	61	45.3	40	710	/Dec	0	0	696
Man_IGT-D_High	330	696	61	45.3	40	710	/Dec	0	0	696
Man_IGT-D_High	340	696	61	45.3	40	710	/Dec	0	0	696
Man_IGT-D_High	350	696	61	45.3	40	710	/Dec	0	0	696
Man_IGT-D_Med	0	0	0	0	0	0	/Dec	0	0	0
Man_IGT-D_Med	10	0	0	0	1.8	1047	/Dec	0	0	0
Man_IGT-D_Med	20	0	3	0	5.5	990	/Dec	0	0	0
Man_IGT-D_Med	30	11	9	15.5	9.2	955	/Dec	0	0	11
Man_IGT-D_Med	40	38	16	19.8	12.5	938	/Dec	0	0	38
Man_IGT-D_Med	50	73	21	23.2	15.4	931	/Dec	0	0	73
Man_IGT-D_Med	60	109	26	25.9	17.9	927	/Dec	0	0	109
Man_IGT-D_Med	70	146	30	28	20.1	923	/Dec	0	0	146
Man_IGT-D_Med	80	183	34	29.8	22	917	/Dec	0	0	183
Man_IGT-D_Med	90	218	37	31.3	23.6	912	/Dec	0	0	218
Man_IGT-D_Med	100	251	40	32.7	25.1	906	/Dec	0	0	251
Man_IGT-D_Med	110	282	42	33.8	26.4	900	/Dec	0	0	282
Man_IGT-D_Med	120	312	45	34.8	27.5	894	/Dec	0	0	312
Man_IGT-D_Med	130	339	46	35.7	28.5	888	/Dec	0	0	339
Man_IGT-D_Med	140	363	48	36.5	29.4	881	/Dec	0	0	363
Man_IGT-D_Med	150	384	50	37.2	30.2	874	/Dec	0	0	384
Man_IGT-D_Med	160	404	51	37.8	30.9	868	/Dec	0	0	404
Man_IGT-D_Med	170	422	52	38.3	31.5	862	/Dec	0	0	422
Man_IGT-D_Med	180	438	53	38.8	32.1	854	/Dec	0	0	438
Man_IGT-D_Med	190	453	53	39.3	32.6	846	/Dec	0	0	453

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-D_Med	200	466	54	39.7	33	839	/Dec	0	0	466
Man_IGT-D_Med	210	478	54	40	33.4	833	/Dec	0	0	478
Man_IGT-D_Med	220	489	55	40.4	33.8	826	/Dec	0	0	489
Man_IGT-D_Med	230	499	55	40.7	34.2	819	/Dec	0	0	499
Man_IGT-D_Med	240	507	56	40.9	34.5	813	/Dec	0	0	507
Man_IGT-D_Med	250	515	56	41.2	34.8	808	/Dec	0	0	515
Man_IGT-D_Med	260	523	56	41.4	35	802	/Dec	0	0	523
Man_IGT-D_Med	270	529	56	41.6	35.3	796	/Dec	0	0	529
Man_IGT-D_Med	280	536	57	41.8	35.5	791	/Dec	0	0	536
Man_IGT-D_Med	290	542	57	42	35.7	786	/Dec	0	0	542
Man_IGT-D_Med	300	542	57	42	35.7	786	/Dec	0	0	542
Man_IGT-D_Med	310	542	57	42	35.7	786	/Dec	0	0	542
Man_IGT-D_Med	320	542	57	42	35.7	786	/Dec	0	0	542
Man_IGT-D_Med	330	542	57	42	35.7	786	/Dec	0	0	542
Man_IGT-D_Med	340	542	57	42	35.7	786	/Dec	0	0	542
Man_IGT-D_Med	350	542	57	42	35.7	786	/Dec	0	0	542
Man_IGT-H_High	0	0	0	0	0	0	/Dec	0	0	0
Man_IGT-H_High	10	0	0	0	1.3	1375	/Dec	0	0	0
Man_IGT-H_High	20	0	1	0	3.9	1338	/Dec	0	0	0
Man_IGT-H_High	30	6	7	0	7.2	1300	/Dec	0	0	6
Man_IGT-H_High	40	29	16	16.3	10.6	1276	/Dec	0	0	29
Man_IGT-H_High	50	89	27	21.2	13.6	1259	/Dec	0	0	89
Man_IGT-H_High	60	153	35	24.6	16.3	1248	/Dec	0	0	153
Man_IGT-H_High	70	215	41	27.1	18.7	1230	/Dec	0	0	215
Man_IGT-H_High	80	266	45	28.9	20.7	1196	/Dec	0	0	266

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-H_High	90	314	48	30.6	22.4	1151	/Dec	0	0	314
Man_IGT-H_High	100	359	51	32.2	24	1101	/Dec	0	0	359
Man_IGT-H_High	110	390	52	33.3	25.3	1047	/Dec	0	0	390
Man_IGT-H_High	120	413	53	34.2	26.5	991	/Dec	0	0	413
Man_IGT-H_High	130	431	53	35	27.5	941	/Dec	0	0	431
Man_IGT-H_High	140	445	53	35.7	28.4	890	/Dec	0	0	445
Man_IGT-H_High	150	455	52	36.3	29.2	842	/Dec	0	0	455
Man_IGT-H_High	160	463	52	36.8	29.9	800	/Dec	0	0	463
Man_IGT-H_High	170	468	51	37.3	30.5	768	/Dec	0	0	468
Man_IGT-H_High	180	472	51	37.7	31.1	739	/Dec	0	0	472
Man_IGT-H_High	190	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	200	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	210	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	220	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	230	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	240	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	250	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	260	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	270	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	280	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	290	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	300	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	310	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	320	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	330	476	50	38.1	31.6	714	/Dec	0	0	476

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-H_High	340	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-H_High	350	476	50	38.1	31.6	714	/Dec	0	0	476
Man_IGT-I_High	0	0	0	0	0	0	/Dec	0	0	0
Man_IGT-I_High	10	0	0	0	1.1	1321	/Dec	0	0	0
Man_IGT-I_High	20	0	1	0	4.4	1283	/Dec	0	0	0
Man_IGT-I_High	30	4	8	14.1	8.5	1251	/Dec	0	0	4
Man_IGT-I_High	40	53	21	19.4	12.4	1231	/Dec	0	0	53
Man_IGT-I_High	50	137	33	24.4	16.2	1222	/Dec	0	0	137
Man_IGT-I_High	60	226	41	28	19.6	1195	/Dec	0	0	226
Man_IGT-I_High	70	314	48	31.1	22.9	1126	/Dec	0	0	314
Man_IGT-I_High	80	397	52	34	25.9	1030	/Dec	0	0	397
Man_IGT-I_High	90	447	53	36	28.6	900	/Dec	0	0	447
Man_IGT-I_High	100	484	52	37.9	31.1	768	/Dec	0	0	484
Man_IGT-I_High	110	514	52	39.7	33.4	654	/Dec	0	0	514
Man_IGT-I_High	120	525	49	41.1	35.6	549	/Dec	0	0	525
Man_IGT-I_High	130	531	47	42.3	37.5	474	/Dec	0	0	531
Man_IGT-I_High	140	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	150	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	160	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	170	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	180	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	190	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	200	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	210	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	220	530	45	43.4	39.3	412	/Dec	0	0	530

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-I_High	230	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	240	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	250	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	260	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	270	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	280	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	290	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	300	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	310	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	320	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	330	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	340	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-I_High	350	530	45	43.4	39.3	412	/Dec	0	0	530
Man_IGT-J_High	0	0	0	0	0	0	/Dec	-6.54	0	0
Man_IGT-J_High	10	0	0	0	1.2	1318	/Dec	-6.54	0	0
Man_IGT-J_High	20	0	1	0	4.2	1278	/Dec	-6.54	0	0
Man_IGT-J_High	30	4	7	0	7.8	1243	/Dec	-6.54	0.262	3.738
Man_IGT-J_High	40	30	16	17.3	11.3	1222	/Dec	-6.54	1.962	28.038
Man_IGT-J_High	50	88	26	22.2	14.7	1210	/Dec	-6.54	5.755	82.245
Man_IGT-J_High	60	159	35	25.7	17.8	1201	/Dec	-6.54	10.399	148.601
Man_IGT-J_High	70	225	41	28.4	20.6	1172	/Dec	-6.54	14.715	210.285
Man_IGT-J_High	80	295	46	31	23.2	1118	/Dec	-6.54	19.293	275.707
Man_IGT-J_High	90	358	49	33.2	25.6	1050	/Dec	-6.54	23.413	334.587
Man_IGT-J_High	100	400	50	34.9	27.8	963	/Dec	-6.54	26.16	373.84
Man_IGT-J_High	110	433	51	36.4	29.8	868	/Dec	-6.54	28.318	404.682

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-J_High	120	462	51	37.8	31.6	796	/Dec	-6.54	30.215	431.785
Man_IGT-J_High	130	483	50	39.1	33.2	721	/Dec	-6.54	31.588	451.412
Man_IGT-J_High	140	493	49	40.1	34.8	657	/Dec	-6.54	32.242	460.758
Man_IGT-J_High	150	503	48	41	36.1	611	/Dec	-6.54	32.896	470.104
Man_IGT-J_High	160	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	170	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	180	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	190	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	200	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	210	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	220	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	230	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	240	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	250	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	260	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	270	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	280	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	290	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	300	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	310	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	320	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	330	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	340	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-J_High	350	507	47	41.8	37.4	569	/Dec	-6.54	33.158	473.842
Man_IGT-K_High	0	0	0	0	0	0	/Dec	0	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-K_High	10	0	0	0	1.3	1316	/Dec	0	0	0
Man_IGT-K_High	20	0	1	0	4.3	1276	/Dec	0	0	0
Man_IGT-K_High	30	9	8	0	8	1242	/Dec	0	0	9
Man_IGT-K_High	40	45	19	18	11.6	1221	/Dec	0	0	45
Man_IGT-K_High	50	114	30	22.9	14.9	1207	/Dec	0	0	114
Man_IGT-K_High	60	187	38	26.3	17.8	1195	/Dec	0	0	187
Man_IGT-K_High	70	253	43	28.8	20.5	1161	/Dec	0	0	253
Man_IGT-K_High	80	320	48	31.1	22.9	1103	/Dec	0	0	320
Man_IGT-K_High	90	378	51	33.1	25.1	1030	/Dec	0	0	378
Man_IGT-K_High	100	415	52	34.6	27.1	941	/Dec	0	0	415
Man_IGT-K_High	110	444	52	36	28.9	845	/Dec	0	0	444
Man_IGT-K_High	120	468	51	37.3	30.5	769	/Dec	0	0	468
Man_IGT-K_High	130	484	50	38.4	32	693	/Dec	0	0	484
Man_IGT-K_High	140	490	49	39.3	33.3	628	/Dec	0	0	490
Man_IGT-K_High	150	496	48	40.1	34.5	579	/Dec	0	0	496
Man_IGT-K_High	160	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	170	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	180	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	190	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	200	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	210	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	220	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	230	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	240	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	250	497	47	40.8	35.6	537	/Dec	0	0	497

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-K_High	260	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	270	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	280	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	290	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	300	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	310	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	320	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	330	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	340	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_High	350	497	47	40.8	35.6	537	/Dec	0	0	497
Man_IGT-K_Med	0	0	0	0	0	0	/Dec	-19.4	0	0
Man_IGT-K_Med	10	0	0	0	1.2	1299	/Dec	-19.4	0	0
Man_IGT-K_Med	20	0	1	0	3.6	1266	/Dec	-19.4	0	0
Man_IGT-K_Med	30	4	5	0	6.8	1232	/Dec	-19.4	0.774	3.226
Man_IGT-K_Med	40	21	13	15.8	10	1210	/Dec	-19.4	4.064	16.936
Man_IGT-K_Med	50	69	23	20.4	12.9	1195	/Dec	-19.4	13.352	55.648
Man_IGT-K_Med	60	131	31	24	15.7	1186	/Dec	-19.4	25.349	105.651
Man_IGT-K_Med	70	195	38	26.8	18.2	1175	/Dec	-19.4	37.733	157.267
Man_IGT-K_Med	80	251	43	28.9	20.5	1148	/Dec	-19.4	48.569	202.431
Man_IGT-K_Med	90	310	47	31	22.6	1103	/Dec	-19.4	59.985	250.015
Man_IGT-K_Med	100	362	50	32.8	24.6	1045	/Dec	-19.4	70.047	291.953
Man_IGT-K_Med	110	398	51	34.2	26.3	974	/Dec	-19.4	77.013	320.987
Man_IGT-K_Med	120	424	51	35.4	28	886	/Dec	-19.4	82.044	341.956
Man_IGT-K_Med	130	447	51	36.6	29.5	817	/Dec	-19.4	86.495	360.505
Man_IGT-K_Med	140	465	51	37.6	30.8	750	/Dec	-19.4	89.978	375.022

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-K_Med	150	477	50	38.6	32	686	/Dec	-19.4	92.3	384.7
Man_IGT-K_Med	160	481	49	39.3	33.2	631	/Dec	-19.4	93.074	387.926
Man_IGT-K_Med	170	485	48	39.9	34.2	592	/Dec	-19.4	93.848	391.152
Man_IGT-K_Med	180	488	47	40.5	35.1	557	/Dec	-19.4	94.428	393.572
Man_IGT-K_Med	190	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	200	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	210	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	220	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	230	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	240	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	250	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	260	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	270	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	280	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	290	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	300	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	310	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	320	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	330	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	340	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Med	350	486	45	41	36	525	/Dec	-19.4	94.041	391.959
Man_IGT-K_Low	0	0	0	0	0	0	/Dec	0	0	0
Man_IGT-K_Low	10	0	0	0	1	1282	/Dec	0	0	0
Man_IGT-K_Low	20	0	0	0	2.6	1257	/Dec	0	0	0
Man_IGT-K_Low	30	0	2	0	4.8	1230	/Dec	0	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-K_Low	40	3	6	0	7.1	1206	/Dec	0	0	3
Man_IGT-K_Low	50	16	11	15.5	9.4	1189	/Dec	0	0	16
Man_IGT-K_Low	60	43	18	18.4	11.6	1175	/Dec	0	0	43
Man_IGT-K_Low	70	84	25	21.6	13.6	1165	/Dec	0	0	84
Man_IGT-K_Low	80	127	31	24.1	15.5	1159	/Dec	0	0	127
Man_IGT-K_Low	90	171	36	26.1	17.2	1152	/Dec	0	0	171
Man_IGT-K_Low	100	208	39	27.5	18.8	1140	/Dec	0	0	208
Man_IGT-K_Low	110	242	42	28.9	20.2	1121	/Dec	0	0	242
Man_IGT-K_Low	120	278	44	30.2	21.5	1097	/Dec	0	0	278
Man_IGT-K_Low	130	310	46	31.3	22.7	1067	/Dec	0	0	310
Man_IGT-K_Low	140	336	48	32.3	23.7	1035	/Dec	0	0	336
Man_IGT-K_Low	150	356	49	33	24.7	998	/Dec	0	0	356
Man_IGT-K_Low	160	372	49	33.7	25.6	955	/Dec	0	0	372
Man_IGT-K_Low	170	385	49	34.4	26.4	914	/Dec	0	0	385
Man_IGT-K_Low	180	395	49	34.9	27.2	881	/Dec	0	0	395
Man_IGT-K_Low	190	405	49	35.4	27.9	850	/Dec	0	0	405
Man_IGT-K_Low	200	412	49	35.9	28.5	819	/Dec	0	0	412
Man_IGT-K_Low	210	419	48	36.4	29	789	/Dec	0	0	419
Man_IGT-K_Low	220	422	48	36.7	29.6	763	/Dec	0	0	422
Man_IGT-K_Low	230	424	47	37	30	739	/Dec	0	0	424
Man_IGT-K_Low	240	425	47	37.3	30.5	716	/Dec	0	0	425
Man_IGT-K_Low	250	426	46	37.6	30.9	697	/Dec	0	0	426
Man_IGT-K_Low	260	426	46	37.8	31.2	680	/Dec	0	0	426
Man_IGT-K_Low	270	426	46	38	31.6	665	/Dec	0	0	426
Man_IGT-K_Low	280	427	45	38.2	31.9	652	/Dec	0	0	427

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-K_Low	290	426	45	38.4	32.1	639	/Dec	0	0	426
Man_IGT-K_Low	300	426	45	38.4	32.1	639	/Dec	0	0	426
Man_IGT-K_Low	310	426	45	38.4	32.1	639	/Dec	0	0	426
Man_IGT-K_Low	320	426	45	38.4	32.1	639	/Dec	0	0	426
Man_IGT-K_Low	330	426	45	38.4	32.1	639	/Dec	0	0	426
Man_IGT-K_Low	340	426	45	38.4	32.1	639	/Dec	0	0	426
Man_IGT-K_Low	350	426	45	38.4	32.1	639	/Dec	0	0	426
Man_IGT-M_High	0	0	0	0	0	0	/Dec	-0.99	0	0
Man_IGT-M_High	10	0	0	0	2	1305	/Dec	-0.99	0	0
Man_IGT-M_High	20	1	7	0	6.6	1238	/Dec	-0.99	0.01	0.99
Man_IGT-M_High	30	48	21	18.3	11.2	1204	/Dec	-0.99	0.475	47.525
Man_IGT-M_High	40	134	33	23.3	15	1183	/Dec	-0.99	1.327	132.673
Man_IGT-M_High	50	205	40	26.4	18	1158	/Dec	-0.99	2.03	202.97
Man_IGT-M_High	60	265	44	28.5	20.5	1118	/Dec	-0.99	2.624	262.376
Man_IGT-M_High	70	311	47	30.1	22.5	1056	/Dec	-0.99	3.079	307.921
Man_IGT-M_High	80	350	48	31.5	24.1	988	/Dec	-0.99	3.465	346.535
Man_IGT-M_High	90	383	49	32.7	25.4	928	/Dec	-0.99	3.792	379.208
Man_IGT-M_High	100	408	50	33.7	26.6	874	/Dec	-0.99	4.039	403.961
Man_IGT-M_High	110	425	49	34.5	27.5	815	/Dec	-0.99	4.208	420.792
Man_IGT-M_High	120	438	49	35.2	28.3	764	/Dec	-0.99	4.336	433.664
Man_IGT-M_High	130	449	49	35.8	29	722	/Dec	-0.99	4.445	444.555
Man_IGT-M_High	140	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	150	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	160	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	170	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-M_High	180	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	190	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	200	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	210	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	220	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	230	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	240	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	250	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	260	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	270	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	280	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	290	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	300	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	310	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	320	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	330	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	340	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_High	350	456	48	36.4	29.6	688	/Dec	-0.99	4.514	451.486
Man_IGT-M_Med	0	0	0	0	0	0	/Dec	0	0	0
Man_IGT-M_Med	10	0	0	0	1.8	1274	/Dec	0	0	0
Man_IGT-M_Med	20	0	3	0	5.4	1218	/Dec	0	0	0
Man_IGT-M_Med	30	21	14	14.5	9.2	1181	/Dec	0	0	21
Man_IGT-M_Med	40	70	24	20	12.4	1162	/Dec	0	0	70
Man_IGT-M_Med	50	136	32	23.7	15.2	1150	/Dec	0	0	136
Man_IGT-M_Med	60	188	38	26.1	17.4	1137	/Dec	0	0	188

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-M_Med	70	233	42	27.8	19.3	1121	/Dec	0	0	233
Man_IGT-M_Med	80	269	44	29	20.8	1094	/Dec	0	0	269
Man_IGT-M_Med	90	301	46	30.1	22.1	1062	/Dec	0	0	301
Man_IGT-M_Med	100	326	47	31	23.2	1023	/Dec	0	0	326
Man_IGT-M_Med	110	347	48	31.8	24.1	985	/Dec	0	0	347
Man_IGT-M_Med	120	364	48	32.4	24.9	951	/Dec	0	0	364
Man_IGT-M_Med	130	379	49	33.1	25.6	918	/Dec	0	0	379
Man_IGT-M_Med	140	391	49	33.6	26.3	888	/Dec	0	0	391
Man_IGT-M_Med	150	401	49	34.1	26.8	862	/Dec	0	0	401
Man_IGT-M_Med	160	409	49	34.5	27.3	838	/Dec	0	0	409
Man_IGT-M_Med	170	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	180	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	190	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	200	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	210	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	220	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	230	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	240	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	250	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	260	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	270	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	280	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	290	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	300	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	310	414	49	34.8	27.7	812	/Dec	0	0	414

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-M_Med	320	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	330	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	340	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Med	350	414	49	34.8	27.7	812	/Dec	0	0	414
Man_IGT-M_Low	0	0	0	0	0	0	/Dec	0	0	0
Man_IGT-M_Low	10	0	0	0	1.6	1240	/Dec	0	0	0
Man_IGT-M_Low	20	0	1	0	4.1	1197	/Dec	0	0	0
Man_IGT-M_Low	30	1	6	13.5	7	1156	/Dec	0	0	1
Man_IGT-M_Low	40	22	14	16.3	9.5	1134	/Dec	0	0	22
Man_IGT-M_Low	50	53	21	19.4	11.6	1119	/Dec	0	0	53
Man_IGT-M_Low	60	92	27	21.9	13.5	1111	/Dec	0	0	92
Man_IGT-M_Low	70	129	31	23.9	15	1104	/Dec	0	0	129
Man_IGT-M_Low	80	160	35	25.3	16.2	1099	/Dec	0	0	160
Man_IGT-M_Low	90	183	37	26.3	17.3	1093	/Dec	0	0	183
Man_IGT-M_Low	100	203	39	27.1	18.2	1087	/Dec	0	0	203
Man_IGT-M_Low	110	221	40	27.8	19	1080	/Dec	0	0	221
Man_IGT-M_Low	120	236	41	28.3	19.6	1074	/Dec	0	0	236
Man_IGT-M_Low	130	249	42	28.8	20.2	1067	/Dec	0	0	249
Man_IGT-M_Low	140	260	43	29.2	20.7	1056	/Dec	0	0	260
Man_IGT-M_Low	150	269	44	29.5	21.2	1046	/Dec	0	0	269
Man_IGT-M_Low	160	277	44	29.8	21.6	1037	/Dec	0	0	277
Man_IGT-M_Low	170	285	45	30.1	21.9	1029	/Dec	0	0	285
Man_IGT-M_Low	180	291	45	30.3	22.2	1021	/Dec	0	0	291
Man_IGT-M_Low	190	296	45	30.5	22.5	1009	/Dec	0	0	296
Man_IGT-M_Low	200	300	45	30.7	22.7	998	/Dec	0	0	300

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-M_Low	210	304	45	30.9	23	989	/Dec	0	0	304
Man_IGT-M_Low	220	308	45	31.1	23.2	980	/Dec	0	0	308
Man_IGT-M_Low	230	311	45	31.2	23.3	972	/Dec	0	0	311
Man_IGT-M_Low	240	314	45	31.4	23.5	964	/Dec	0	0	314
Man_IGT-M_Low	250	317	45	31.5	23.7	958	/Dec	0	0	317
Man_IGT-M_Low	260	319	45	31.6	23.8	952	/Dec	0	0	319
Man_IGT-M_Low	270	321	45	31.7	23.9	946	/Dec	0	0	321
Man_IGT-M_Low	280	324	45	31.8	24	941	/Dec	0	0	324
Man_IGT-M_Low	290	326	45	31.9	24.2	936	/Dec	0	0	326
Man_IGT-M_Low	300	326	45	31.9	24.2	936	/Dec	0	0	326
Man_IGT-M_Low	310	326	45	31.9	24.2	936	/Dec	0	0	326
Man_IGT-M_Low	320	326	45	31.9	24.2	936	/Dec	0	0	326
Man_IGT-M_Low	330	326	45	31.9	24.2	936	/Dec	0	0	326
Man_IGT-M_Low	340	326	45	31.9	24.2	936	/Dec	0	0	326
Man_IGT-M_Low	350	326	45	31.9	24.2	936	/Dec	0	0	326
Man_IGT-N_High	0	0	0	0	0	0	/Dec	-9.09	0	0
Man_IGT-N_High	10	0	0	0	2.1	1302	/Dec	-9.09	0	0
Man_IGT-N_High	20	1	7	12.8	6.9	1232	/Dec	-9.09	0.091	0.909
Man_IGT-N_High	30	52	22	18.8	11.5	1198	/Dec	-9.09	4.727	47.273
Man_IGT-N_High	40	142	34	23.7	15.3	1177	/Dec	-9.09	12.908	129.092
Man_IGT-N_High	50	213	41	26.6	18.3	1150	/Dec	-9.09	19.362	193.638
Man_IGT-N_High	60	270	45	28.6	20.6	1109	/Dec	-9.09	24.543	245.457
Man_IGT-N_High	70	313	47	30.1	22.5	1048	/Dec	-9.09	28.452	284.548
Man_IGT-N_High	80	348	48	31.3	24.1	982	/Dec	-9.09	31.633	316.367
Man_IGT-N_High	90	380	49	32.5	25.3	926	/Dec	-9.09	34.542	345.458

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-N_High	100	405	49	33.5	26.4	877	/Dec	-9.09	36.815	368.185
Man_IGT-N_High	110	422	49	34.3	27.2	820	/Dec	-9.09	38.36	383.64
Man_IGT-N_High	120	435	49	34.9	28	772	/Dec	-9.09	39.542	395.458
Man_IGT-N_High	130	445	49	35.5	28.6	732	/Dec	-9.09	40.451	404.549
Man_IGT-N_High	140	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	150	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	160	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	170	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	180	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	190	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	200	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	210	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	220	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	230	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	240	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	250	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	260	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	270	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	280	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	290	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	300	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	310	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	320	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	330	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_High	340	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-N_High	350	453	48	36	29.2	700	/Dec	-9.09	41.178	411.822
Man_IGT-N_Med	0	0	0	0	0	0	/Dec	-30.1	0	0
Man_IGT-N_Med	10	0	0	0	1.5	1277	/Dec	-30.1	0	0
Man_IGT-N_Med	20	0	1	0	3.8	1238	/Dec	-30.1	0	0
Man_IGT-N_Med	30	1	6	0	6.6	1201	/Dec	-30.1	0.301	0.699
Man_IGT-N_Med	40	19	14	14.8	9.1	1178	/Dec	-30.1	5.713	13.287
Man_IGT-N_Med	50	47	20	18.5	11.3	1163	/Dec	-30.1	14.133	32.867
Man_IGT-N_Med	60	87	26	21.3	13.2	1153	/Dec	-30.1	26.161	60.839
Man_IGT-N_Med	70	126	31	23.4	14.9	1144	/Dec	-30.1	37.888	88.112
Man_IGT-N_Med	80	162	35	25.1	16.3	1137	/Dec	-30.1	48.713	113.287
Man_IGT-N_Med	90	190	38	26.2	17.5	1126	/Dec	-30.1	57.133	132.867
Man_IGT-N_Med	100	214	40	27.2	18.6	1114	/Dec	-30.1	64.35	149.65
Man_IGT-N_Med	110	237	42	28	19.5	1098	/Dec	-30.1	71.266	165.734
Man_IGT-N_Med	120	257	43	28.8	20.3	1083	/Dec	-30.1	77.28	179.72
Man_IGT-N_Med	130	274	44	29.4	21.1	1066	/Dec	-30.1	82.392	191.608
Man_IGT-N_Med	140	287	45	29.9	21.7	1044	/Dec	-30.1	86.301	200.699
Man_IGT-N_Med	150	298	45	30.3	22.3	1021	/Dec	-30.1	89.609	208.391
Man_IGT-N_Med	160	307	45	30.7	22.8	1002	/Dec	-30.1	92.315	214.685
Man_IGT-N_Med	170	316	46	31.1	23.3	987	/Dec	-30.1	95.021	220.979
Man_IGT-N_Med	180	323	46	31.4	23.7	970	/Dec	-30.1	97.126	225.874
Man_IGT-N_Med	190	328	46	31.7	24.1	951	/Dec	-30.1	98.63	229.37
Man_IGT-N_Med	200	332	46	31.9	24.4	933	/Dec	-30.1	99.832	232.168
Man_IGT-N_Med	210	336	45	32.2	24.7	918	/Dec	-30.1	101.035	234.965
Man_IGT-N_Med	220	339	45	32.4	25	904	/Dec	-30.1	101.937	237.063
Man_IGT-N_Med	230	342	45	32.6	25.3	893	/Dec	-30.1	102.839	239.161

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Man_IGT-N_Med	240	344	45	32.7	25.5	882	/Dec	-30.1	103.441	240.559
Man_IGT-N_Med	250	346	45	32.9	25.7	872	/Dec	-30.1	104.042	241.958
Man_IGT-N_Med	260	348	45	33	25.9	863	/Dec	-30.1	104.644	243.356
Man_IGT-N_Med	270	350	45	33.2	26.1	855	/Dec	-30.1	105.245	244.755
Man_IGT-N_Med	280	351	45	33.3	26.2	847	/Dec	-30.1	105.546	245.454
Man_IGT-N_Med	290	351	45	33.3	26.2	847	/Dec	-30.1	105.546	245.454
Man_IGT-N_Med	300	351	45	33.3	26.2	847	/Dec	-30.1	105.546	245.454
Man_IGT-N_Med	310	351	45	33.3	26.2	847	/Dec	-30.1	105.546	245.454
Man_IGT-N_Med	320	351	45	33.3	26.2	847	/Dec	-30.1	105.546	245.454
Man_IGT-N_Med	330	351	45	33.3	26.2	847	/Dec	-30.1	105.546	245.454
Man_IGT-N_Med	340	351	45	33.3	26.2	847	/Dec	-30.1	105.546	245.454
Man_IGT-N_Med	350	351	45	33.3	26.2	847	/Dec	-30.1	105.546	245.454
Gen_IGT-A_High	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-A_High	10	0	0	0	2.8	1185	/Dec	0	0	0
Gen_IGT-A_High	20	2	6	13.8	7.2	1118	/Dec	0	0	2
Gen_IGT-A_High	30	28	15	18.3	11.4	1087	/Dec	0	0	28
Gen_IGT-A_High	40	69	22	22.6	15.1	1075	/Dec	0	0	69
Gen_IGT-A_High	50	119	28	25.8	18.3	1070	/Dec	0	0	119
Gen_IGT-A_High	60	172	34	28.5	21.2	1063	/Dec	0	0	172
Gen_IGT-A_High	70	227	39	30.8	23.7	1050	/Dec	0	0	227
Gen_IGT-A_High	80	281	44	32.8	25.9	1036	/Dec	0	0	281
Gen_IGT-A_High	90	335	47	34.5	27.8	1024	/Dec	0	0	335
Gen_IGT-A_High	100	385	51	36.1	29.5	1009	/Dec	0	0	385
Gen_IGT-A_High	110	432	54	37.4	31.1	992	/Dec	0	0	432
Gen_IGT-A_High	120	475	56	38.6	32.5	973	/Dec	0	0	475

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-A_High	130	515	58	39.6	33.7	951	/Dec	0	0	515
Gen_IGT-A_High	140	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	150	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	160	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	170	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	180	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	190	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	200	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	210	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	220	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	230	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	240	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	250	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	260	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	270	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	280	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	290	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	300	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	310	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	320	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	330	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	340	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_High	350	551	59	40.6	34.8	929	/Dec	0	0	551
Gen_IGT-A_Med	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-A_Med	10	0	0	0	2.4	1051	/Dec	0	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-A_Med	20	0	4	0	6.1	995	/Dec	0	0	0
Gen_IGT-A_Med	30	12	10	15.8	9.6	961	/Dec	0	0	12
Gen_IGT-A_Med	40	37	15	19.9	12.7	947	/Dec	0	0	37
Gen_IGT-A_Med	50	67	21	23.1	15.5	940	/Dec	0	0	67
Gen_IGT-A_Med	60	101	25	25.6	17.9	936	/Dec	0	0	101
Gen_IGT-A_Med	70	136	29	27.7	20	932	/Dec	0	0	136
Gen_IGT-A_Med	80	172	33	29.5	21.9	926	/Dec	0	0	172
Gen_IGT-A_Med	90	206	36	31.1	23.6	922	/Dec	0	0	206
Gen_IGT-A_Med	100	239	39	32.4	25	917	/Dec	0	0	239
Gen_IGT-A_Med	110	272	42	33.7	26.4	911	/Dec	0	0	272
Gen_IGT-A_Med	120	303	44	34.7	27.6	906	/Dec	0	0	303
Gen_IGT-A_Med	130	331	46	35.7	28.6	900	/Dec	0	0	331
Gen_IGT-A_Med	140	358	48	36.5	29.6	893	/Dec	0	0	358
Gen_IGT-A_Med	150	383	49	37.3	30.5	887	/Dec	0	0	383
Gen_IGT-A_Med	160	406	51	38	31.3	882	/Dec	0	0	406
Gen_IGT-A_Med	170	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	180	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	190	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	200	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	210	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	220	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	230	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	240	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	250	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	260	427	52	38.6	32	877	/Dec	0	0	427

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-A_Med	270	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	280	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	290	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	300	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	310	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	320	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	330	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	340	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Med	350	427	52	38.6	32	877	/Dec	0	0	427
Gen_IGT-A_Low	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-A_Low	10	0	0	0	1.8	895	/Dec	0	0	0
Gen_IGT-A_Low	20	0	1	0	4.5	856	/Dec	0	0	0
Gen_IGT-A_Low	30	1	4	14.2	7.1	829	/Dec	0	0	1
Gen_IGT-A_Low	40	10	8	15.7	9.5	808	/Dec	0	0	10
Gen_IGT-A_Low	50	23	11	18.3	11.6	797	/Dec	0	0	23
Gen_IGT-A_Low	60	39	15	20.7	13.5	791	/Dec	0	0	39
Gen_IGT-A_Low	70	56	17	22.8	15.1	786	/Dec	0	0	56
Gen_IGT-A_Low	80	73	20	24.5	16.6	783	/Dec	0	0	73
Gen_IGT-A_Low	90	90	22	25.9	17.9	780	/Dec	0	0	90
Gen_IGT-A_Low	100	107	24	27.2	19.1	777	/Dec	0	0	107
Gen_IGT-A_Low	110	123	26	28.3	20.1	773	/Dec	0	0	123
Gen_IGT-A_Low	120	139	28	29.3	21.1	769	/Dec	0	0	139
Gen_IGT-A_Low	130	153	30	30.2	21.9	766	/Dec	0	0	153
Gen_IGT-A_Low	140	167	31	31	22.7	763	/Dec	0	0	167
Gen_IGT-A_Low	150	180	32	31.6	23.4	761	/Dec	0	0	180

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-A_Low	160	192	33	32.3	24.1	759	/Dec	0	0	192
Gen_IGT-A_Low	170	204	34	32.9	24.6	755	/Dec	0	0	204
Gen_IGT-A_Low	180	216	35	33.4	25.2	751	/Dec	0	0	216
Gen_IGT-A_Low	190	226	36	33.9	25.7	748	/Dec	0	0	226
Gen_IGT-A_Low	200	236	37	34.4	26.1	745	/Dec	0	0	236
Gen_IGT-A_Low	210	245	38	34.8	26.6	741	/Dec	0	0	245
Gen_IGT-A_Low	220	254	38	35.2	27	737	/Dec	0	0	254
Gen_IGT-A_Low	230	262	39	35.5	27.3	734	/Dec	0	0	262
Gen_IGT-A_Low	240	269	39	35.9	27.7	731	/Dec	0	0	269
Gen_IGT-A_Low	250	276	40	36.2	28	728	/Dec	0	0	276
Gen_IGT-A_Low	260	282	40	36.5	28.3	724	/Dec	0	0	282
Gen_IGT-A_Low	270	288	41	36.7	28.6	720	/Dec	0	0	288
Gen_IGT-A_Low	280	293	41	37	28.9	716	/Dec	0	0	293
Gen_IGT-A_Low	290	299	41	37.2	29.1	712	/Dec	0	0	299
Gen_IGT-A_Low	300	299	41	37.2	29.1	712	/Dec	0	0	299
Gen_IGT-A_Low	310	299	41	37.2	29.1	712	/Dec	0	0	299
Gen_IGT-A_Low	320	299	41	37.2	29.1	712	/Dec	0	0	299
Gen_IGT-A_Low	330	299	41	37.2	29.1	712	/Dec	0	0	299
Gen_IGT-A_Low	340	299	41	37.2	29.1	712	/Dec	0	0	299
Gen_IGT-A_Low	350	299	41	37.2	29.1	712	/Dec	0	0	299
Gen_IGT-C_High	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-C_High	10	0	0	0	1.8	725	/Dec	0	0	0
Gen_IGT-C_High	20	0	2	0	5.3	687	/Dec	0	0	0
Gen_IGT-C_High	30	8	6	15.8	9.2	656	/Dec	0	0	8
Gen_IGT-C_High	40	31	12	20.1	13.1	645	/Dec	0	0	31

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-C_High	50	65	18	24.7	16.6	642	/Dec	0	0	65
Gen_IGT-C_High	60	107	23	28.5	19.8	640	/Dec	0	0	107
Gen_IGT-C_High	70	154	29	31.8	22.6	638	/Dec	0	0	154
Gen_IGT-C_High	80	206	34	34.5	25.1	637	/Dec	0	0	206
Gen_IGT-C_High	90	258	39	37	27.4	634	/Dec	0	0	258
Gen_IGT-C_High	100	308	43	39	29.3	632	/Dec	0	0	308
Gen_IGT-C_High	110	358	47	40.7	31	629	/Dec	0	0	358
Gen_IGT-C_High	120	405	50	42.3	32.6	626	/Dec	0	0	405
Gen_IGT-C_High	130	449	53	43.6	33.9	623	/Dec	0	0	449
Gen_IGT-C_High	140	489	56	44.8	35.1	621	/Dec	0	0	489
Gen_IGT-C_High	150	529	58	45.9	36.2	617	/Dec	0	0	529
Gen_IGT-C_High	160	566	60	46.8	37.2	613	/Dec	0	0	566
Gen_IGT-C_High	170	600	62	47.7	38.1	609	/Dec	0	0	600
Gen_IGT-C_High	180	632	64	48.5	38.9	604	/Dec	0	0	632
Gen_IGT-C_High	190	661	65	49.2	39.6	597	/Dec	0	0	661
Gen_IGT-C_High	200	687	66	49.9	40.3	591	/Dec	0	0	687
Gen_IGT-C_High	210	711	67	50.5	40.9	584	/Dec	0	0	711
Gen_IGT-C_High	220	733	68	51.1	41.5	576	/Dec	0	0	733
Gen_IGT-C_High	230	753	69	51.6	42	569	/Dec	0	0	753
Gen_IGT-C_High	240	771	70	52.1	42.5	562	/Dec	0	0	771
Gen_IGT-C_High	250	788	70	52.5	42.9	557	/Dec	0	0	788
Gen_IGT-C_High	260	803	71	52.9	43.3	552	/Dec	0	0	803
Gen_IGT-C_High	270	817	71	53.2	43.7	548	/Dec	0	0	817
Gen_IGT-C_High	280	817	71	53.2	43.7	548	/Dec	0	0	817
Gen_IGT-C_High	290	817	71	53.2	43.7	548	/Dec	0	0	817

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-C_High	300	817	71	53.2	43.7	548	/Dec	0	0	817
Gen_IGT-C_High	310	817	71	53.2	43.7	548	/Dec	0	0	817
Gen_IGT-C_High	320	817	71	53.2	43.7	548	/Dec	0	0	817
Gen_IGT-C_High	330	817	71	53.2	43.7	548	/Dec	0	0	817
Gen_IGT-C_High	340	817	71	53.2	43.7	548	/Dec	0	0	817
Gen_IGT-C_High	350	817	71	53.2	43.7	548	/Dec	0	0	817
Gen_IGT-C_Med	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-C_Med	10	0	0	0	1.4	729	/Dec	0	0	0
Gen_IGT-C_Med	20	0	1	0	3.6	703	/Dec	0	0	0
Gen_IGT-C_Med	30	1	3	13.9	6.4	676	/Dec	0	0	1
Gen_IGT-C_Med	40	7	6	15.7	9.1	655	/Dec	0	0	7
Gen_IGT-C_Med	50	21	10	18.3	11.7	645	/Dec	0	0	21
Gen_IGT-C_Med	60	39	13	21.4	14.1	640	/Dec	0	0	39
Gen_IGT-C_Med	70	61	17	24.3	16.3	638	/Dec	0	0	61
Gen_IGT-C_Med	80	85	20	26.7	18.3	636	/Dec	0	0	85
Gen_IGT-C_Med	90	110	24	28.8	20.1	634	/Dec	0	0	110
Gen_IGT-C_Med	100	136	27	30.7	21.7	632	/Dec	0	0	136
Gen_IGT-C_Med	110	162	30	32.3	23.1	631	/Dec	0	0	162
Gen_IGT-C_Med	120	189	32	33.7	24.4	628	/Dec	0	0	189
Gen_IGT-C_Med	130	214	35	35	25.6	627	/Dec	0	0	214
Gen_IGT-C_Med	140	239	37	36.2	26.7	625	/Dec	0	0	239
Gen_IGT-C_Med	150	263	39	37.2	27.6	622	/Dec	0	0	263
Gen_IGT-C_Med	160	285	41	38.1	28.5	620	/Dec	0	0	285
Gen_IGT-C_Med	170	306	42	39	29.3	618	/Dec	0	0	306
Gen_IGT-C_Med	180	326	44	39.7	30.1	615	/Dec	0	0	326

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-C_Med	190	345	45	40.4	30.7	613	/Dec	0	0	345
Gen_IGT-C_Med	200	362	46	41	31.4	611	/Dec	0	0	362
Gen_IGT-C_Med	210	378	47	41.6	31.9	608	/Dec	0	0	378
Gen_IGT-C_Med	220	393	48	42.1	32.4	606	/Dec	0	0	393
Gen_IGT-C_Med	230	407	49	42.6	32.9	604	/Dec	0	0	407
Gen_IGT-C_Med	240	421	50	43	33.4	601	/Dec	0	0	421
Gen_IGT-C_Med	250	434	51	43.5	33.8	599	/Dec	0	0	434
Gen_IGT-C_Med	260	446	52	43.8	34.2	596	/Dec	0	0	446
Gen_IGT-C_Med	270	457	52	44.2	34.6	594	/Dec	0	0	457
Gen_IGT-C_Med	280	468	53	44.5	34.9	591	/Dec	0	0	468
Gen_IGT-C_Med	290	478	53	44.9	35.2	589	/Dec	0	0	478
Gen_IGT-C_Med	300	478	53	44.9	35.2	589	/Dec	0	0	478
Gen_IGT-C_Med	310	478	53	44.9	35.2	589	/Dec	0	0	478
Gen_IGT-C_Med	320	478	53	44.9	35.2	589	/Dec	0	0	478
Gen_IGT-C_Med	330	478	53	44.9	35.2	589	/Dec	0	0	478
Gen_IGT-C_Med	340	478	53	44.9	35.2	589	/Dec	0	0	478
Gen_IGT-C_Med	350	478	53	44.9	35.2	589	/Dec	0	0	478
Gen_IGT-C_Low	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-C_Low	10	0	0	0	1.1	732	/Dec	0	0	0
Gen_IGT-C_Low	20	0	0	0	2.7	714	/Dec	0	0	0
Gen_IGT-C_Low	30	0	1	0	4.8	689	/Dec	0	0	0
Gen_IGT-C_Low	40	1	4	14.5	7.2	668	/Dec	0	0	1
Gen_IGT-C_Low	50	9	7	15.8	9.5	650	/Dec	0	0	9
Gen_IGT-C_Low	60	20	10	18.2	11.7	643	/Dec	0	0	20
Gen_IGT-C_Low	70	35	13	21	13.7	638	/Dec	0	0	35

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-C_Low	80	54	16	23.5	15.6	636	/Dec	0	0	54
Gen_IGT-C_Low	90	73	19	25.6	17.4	634	/Dec	0	0	73
Gen_IGT-C_Low	100	94	22	27.5	19	632	/Dec	0	0	94
Gen_IGT-C_Low	110	115	24	29.2	20.4	630	/Dec	0	0	115
Gen_IGT-C_Low	120	137	27	30.8	21.8	628	/Dec	0	0	137
Gen_IGT-C_Low	130	159	29	32.1	23	627	/Dec	0	0	159
Gen_IGT-C_Low	140	181	31	33.3	24.1	625	/Dec	0	0	181
Gen_IGT-C_Low	150	201	33	34.5	25.1	622	/Dec	0	0	201
Gen_IGT-C_Low	160	222	35	35.5	26	620	/Dec	0	0	222
Gen_IGT-C_Low	170	241	37	36.4	26.8	619	/Dec	0	0	241
Gen_IGT-C_Low	180	260	38	37.2	27.6	616	/Dec	0	0	260
Gen_IGT-C_Low	190	277	40	37.9	28.3	614	/Dec	0	0	277
Gen_IGT-C_Low	200	294	41	38.6	29	612	/Dec	0	0	294
Gen_IGT-C_Low	210	310	42	39.2	29.6	609	/Dec	0	0	310
Gen_IGT-C_Low	220	325	43	39.8	30.2	607	/Dec	0	0	325
Gen_IGT-C_Low	230	339	44	40.3	30.7	605	/Dec	0	0	339
Gen_IGT-C_Low	240	352	45	40.8	31.2	603	/Dec	0	0	352
Gen_IGT-C_Low	250	364	46	41.3	31.6	601	/Dec	0	0	364
Gen_IGT-C_Low	260	376	47	41.7	32	599	/Dec	0	0	376
Gen_IGT-C_Low	270	387	48	42.1	32.4	597	/Dec	0	0	387
Gen_IGT-C_Low	280	397	48	42.4	32.8	594	/Dec	0	0	397
Gen_IGT-C_Low	290	406	49	42.8	33.1	592	/Dec	0	0	406
Gen_IGT-C_Low	300	406	49	42.8	33.1	592	/Dec	0	0	406
Gen_IGT-C_Low	310	406	49	42.8	33.1	592	/Dec	0	0	406
Gen_IGT-C_Low	320	406	49	42.8	33.1	592	/Dec	0	0	406

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-C_Low	330	406	49	42.8	33.1	592	/Dec	0	0	406
Gen_IGT-C_Low	340	406	49	42.8	33.1	592	/Dec	0	0	406
Gen_IGT-C_Low	350	406	49	42.8	33.1	592	/Dec	0	0	406
Gen_IGT-D_High	0	0	0	0	0	0	/Dec	-0.99	0	0
Gen_IGT-D_High	10	0	0	0	3	1181	/Dec	-0.99	0	0
Gen_IGT-D_High	20	3	7	14.2	7.5	1114	/Dec	-0.99	0.03	2.97
Gen_IGT-D_High	30	34	16	18.8	11.6	1085	/Dec	-0.99	0.337	33.663
Gen_IGT-D_High	40	82	24	23	15.2	1074	/Dec	-0.99	0.812	81.188
Gen_IGT-D_High	50	133	30	26.2	18.4	1068	/Dec	-0.99	1.317	131.683
Gen_IGT-D_High	60	185	36	28.7	21	1060	/Dec	-0.99	1.832	183.168
Gen_IGT-D_High	70	236	40	30.7	23.3	1047	/Dec	-0.99	2.336	233.664
Gen_IGT-D_High	80	286	44	32.5	25.3	1033	/Dec	-0.99	2.831	283.169
Gen_IGT-D_High	90	332	48	34	27	1021	/Dec	-0.99	3.287	328.713
Gen_IGT-D_High	100	375	50	35.3	28.5	1006	/Dec	-0.99	3.713	371.287
Gen_IGT-D_High	110	413	53	36.4	29.8	992	/Dec	-0.99	4.089	408.911
Gen_IGT-D_High	120	446	55	37.4	30.9	975	/Dec	-0.99	4.415	441.585
Gen_IGT-D_High	130	477	56	38.2	31.8	957	/Dec	-0.99	4.722	472.278
Gen_IGT-D_High	140	503	57	38.9	32.6	939	/Dec	-0.99	4.98	498.02
Gen_IGT-D_High	150	526	58	39.6	33.3	922	/Dec	-0.99	5.207	520.793
Gen_IGT-D_High	160	544	59	40.1	33.9	906	/Dec	-0.99	5.386	538.614
Gen_IGT-D_High	170	560	59	40.6	34.5	892	/Dec	-0.99	5.544	554.456
Gen_IGT-D_High	180	574	60	41	35	878	/Dec	-0.99	5.683	568.317
Gen_IGT-D_High	190	585	60	41.4	35.4	864	/Dec	-0.99	5.792	579.208
Gen_IGT-D_High	200	594	60	41.7	35.7	852	/Dec	-0.99	5.881	588.119
Gen_IGT-D_High	210	603	60	41.9	36.1	840	/Dec	-0.99	5.97	597.03

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-D_High	220	610	61	42.2	36.3	829	/Dec	-0.99	6.039	603.961
Gen_IGT-D_High	230	616	61	42.4	36.6	819	/Dec	-0.99	6.098	609.902
Gen_IGT-D_High	240	622	61	42.6	36.8	810	/Dec	-0.99	6.158	615.842
Gen_IGT-D_High	250	626	61	42.8	37	802	/Dec	-0.99	6.197	619.803
Gen_IGT-D_High	260	629	61	42.9	37.2	794	/Dec	-0.99	6.227	622.773
Gen_IGT-D_High	270	632	60	43.1	37.4	786	/Dec	-0.99	6.257	625.743
Gen_IGT-D_High	280	634	60	43.2	37.5	780	/Dec	-0.99	6.277	627.723
Gen_IGT-D_High	290	637	60	43.3	37.7	774	/Dec	-0.99	6.306	630.694
Gen_IGT-D_High	300	637	60	43.3	37.7	774	/Dec	-0.99	6.306	630.694
Gen_IGT-D_High	310	637	60	43.3	37.7	774	/Dec	-0.99	6.306	630.694
Gen_IGT-D_High	320	637	60	43.3	37.7	774	/Dec	-0.99	6.306	630.694
Gen_IGT-D_High	330	637	60	43.3	37.7	774	/Dec	-0.99	6.306	630.694
Gen_IGT-D_High	340	637	60	43.3	37.7	774	/Dec	-0.99	6.306	630.694
Gen_IGT-D_High	350	637	60	43.3	37.7	774	/Dec	-0.99	6.306	630.694
Gen_IGT-D_Med	0	0	0	0	0	0	/Dec	-0.99	0	0
Gen_IGT-D_Med	10	0	0	0	2.4	1051	/Dec	-0.99	0	0
Gen_IGT-D_Med	20	0	3	0	6	996	/Dec	-0.99	0	0
Gen_IGT-D_Med	30	12	10	15.8	9.4	963	/Dec	-0.99	0.119	11.881
Gen_IGT-D_Med	40	39	16	19.8	12.5	948	/Dec	-0.99	0.386	38.614
Gen_IGT-D_Med	50	72	21	23.1	15.2	941	/Dec	-0.99	0.713	71.287
Gen_IGT-D_Med	60	107	26	25.6	17.6	937	/Dec	-0.99	1.059	105.941
Gen_IGT-D_Med	70	141	30	27.6	19.6	932	/Dec	-0.99	1.396	139.604
Gen_IGT-D_Med	80	175	33	29.3	21.4	927	/Dec	-0.99	1.733	173.267
Gen_IGT-D_Med	90	206	36	30.7	22.9	923	/Dec	-0.99	2.039	203.961
Gen_IGT-D_Med	100	236	39	31.9	24.2	917	/Dec	-0.99	2.336	233.664

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-D_Med	110	263	41	33	25.4	912	/Dec	-0.99	2.604	260.396
Gen_IGT-D_Med	120	288	43	33.9	26.4	906	/Dec	-0.99	2.851	285.149
Gen_IGT-D_Med	130	311	45	34.7	27.3	900	/Dec	-0.99	3.079	307.921
Gen_IGT-D_Med	140	332	46	35.4	28	895	/Dec	-0.99	3.287	328.713
Gen_IGT-D_Med	150	350	47	36	28.7	888	/Dec	-0.99	3.465	346.535
Gen_IGT-D_Med	160	366	48	36.5	29.3	882	/Dec	-0.99	3.623	362.377
Gen_IGT-D_Med	170	380	49	37	29.9	876	/Dec	-0.99	3.762	376.238
Gen_IGT-D_Med	180	392	50	37.4	30.3	870	/Dec	-0.99	3.881	388.119
Gen_IGT-D_Med	190	404	51	37.7	30.7	865	/Dec	-0.99	4	400
Gen_IGT-D_Med	200	414	51	38	31.1	861	/Dec	-0.99	4.099	409.901
Gen_IGT-D_Med	210	423	52	38.3	31.5	856	/Dec	-0.99	4.188	418.812
Gen_IGT-D_Med	220	431	52	38.6	31.8	850	/Dec	-0.99	4.267	426.733
Gen_IGT-D_Med	230	438	52	38.8	32	844	/Dec	-0.99	4.336	433.664
Gen_IGT-D_Med	240	444	53	39.1	32.3	839	/Dec	-0.99	4.396	439.604
Gen_IGT-D_Med	250	450	53	39.2	32.5	834	/Dec	-0.99	4.455	445.545
Gen_IGT-D_Med	260	455	53	39.4	32.7	830	/Dec	-0.99	4.505	450.495
Gen_IGT-D_Med	270	459	53	39.6	32.9	825	/Dec	-0.99	4.544	454.456
Gen_IGT-D_Med	280	464	53	39.7	33	821	/Dec	-0.99	4.594	459.406
Gen_IGT-D_Med	290	467	53	39.9	33.2	818	/Dec	-0.99	4.623	462.377
Gen_IGT-D_Med	300	467	53	39.9	33.2	818	/Dec	-0.99	4.623	462.377
Gen_IGT-D_Med	310	467	53	39.9	33.2	818	/Dec	-0.99	4.623	462.377
Gen_IGT-D_Med	320	467	53	39.9	33.2	818	/Dec	-0.99	4.623	462.377
Gen_IGT-D_Med	330	467	53	39.9	33.2	818	/Dec	-0.99	4.623	462.377
Gen_IGT-D_Med	340	467	53	39.9	33.2	818	/Dec	-0.99	4.623	462.377
Gen_IGT-D_Med	350	467	53	39.9	33.2	818	/Dec	-0.99	4.623	462.377

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-D_Low	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-D_Low	10	0	0	0	1.5	898	/Dec	0	0	0
Gen_IGT-D_Low	20	0	1	0	3.7	865	/Dec	0	0	0
Gen_IGT-D_Low	30	0	3	0	6	838	/Dec	0	0	0
Gen_IGT-D_Low	40	4	6	14.7	8.1	817	/Dec	0	0	4
Gen_IGT-D_Low	50	13	9	16.2	10	802	/Dec	0	0	13
Gen_IGT-D_Low	60	24	11	18.3	11.6	794	/Dec	0	0	24
Gen_IGT-D_Low	70	35	14	20.2	13.1	788	/Dec	0	0	35
Gen_IGT-D_Low	80	48	16	21.9	14.4	784	/Dec	0	0	48
Gen_IGT-D_Low	90	60	18	23.2	15.6	780	/Dec	0	0	60
Gen_IGT-D_Low	100	72	20	24.4	16.6	777	/Dec	0	0	72
Gen_IGT-D_Low	110	84	21	25.4	17.5	773	/Dec	0	0	84
Gen_IGT-D_Low	120	94	23	26.3	18.3	770	/Dec	0	0	94
Gen_IGT-D_Low	130	105	24	27.1	19	767	/Dec	0	0	105
Gen_IGT-D_Low	140	114	25	27.8	19.7	763	/Dec	0	0	114
Gen_IGT-D_Low	150	123	26	28.4	20.2	760	/Dec	0	0	123
Gen_IGT-D_Low	160	131	27	29	20.8	757	/Dec	0	0	131
Gen_IGT-D_Low	170	138	28	29.5	21.2	752	/Dec	0	0	138
Gen_IGT-D_Low	180	145	28	29.9	21.7	748	/Dec	0	0	145
Gen_IGT-D_Low	190	151	29	30.3	22	744	/Dec	0	0	151
Gen_IGT-D_Low	200	156	29	30.6	22.4	740	/Dec	0	0	156
Gen_IGT-D_Low	210	161	30	31	22.7	736	/Dec	0	0	161
Gen_IGT-D_Low	220	166	30	31.3	23	733	/Dec	0	0	166
Gen_IGT-D_Low	230	170	31	31.5	23.3	730	/Dec	0	0	170
Gen_IGT-D_Low	240	174	31	31.8	23.5	727	/Dec	0	0	174

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-D_Low	250	178	31	32	23.8	725	/Dec	0	0	178
Gen_IGT-D_Low	260	181	31	32.2	24	722	/Dec	0	0	181
Gen_IGT-D_Low	270	185	32	32.4	24.2	718	/Dec	0	0	185
Gen_IGT-D_Low	280	188	32	32.6	24.4	715	/Dec	0	0	188
Gen_IGT-D_Low	290	191	32	32.8	24.5	712	/Dec	0	0	191
Gen_IGT-D_Low	300	191	32	32.8	24.5	712	/Dec	0	0	191
Gen_IGT-D_Low	310	191	32	32.8	24.5	712	/Dec	0	0	191
Gen_IGT-D_Low	320	191	32	32.8	24.5	712	/Dec	0	0	191
Gen_IGT-D_Low	330	191	32	32.8	24.5	712	/Dec	0	0	191
Gen_IGT-D_Low	340	191	32	32.8	24.5	712	/Dec	0	0	191
Gen_IGT-D_Low	350	191	32	32.8	24.5	712	/Dec	0	0	191
Gen_IGT-H_High	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-H_High	10	0	0	0	1.9	1395	/Dec	0	0	0
Gen_IGT-H_High	20	1	4	0	5.4	1348	/Dec	0	0	1
Gen_IGT-H_High	30	20	13	15.6	9.4	1313	/Dec	0	0	20
Gen_IGT-H_High	40	81	26	20.5	13.1	1292	/Dec	0	0	81
Gen_IGT-H_High	50	158	36	24.6	16.3	1277	/Dec	0	0	158
Gen_IGT-H_High	60	234	43	27.5	19.1	1254	/Dec	0	0	234
Gen_IGT-H_High	70	296	48	29.6	21.5	1208	/Dec	0	0	296
Gen_IGT-H_High	80	357	52	31.7	23.6	1144	/Dec	0	0	357
Gen_IGT-H_High	90	404	54	33.3	25.3	1076	/Dec	0	0	404
Gen_IGT-H_High	100	437	55	34.5	26.8	1004	/Dec	0	0	437
Gen_IGT-H_High	110	461	55	35.5	28.1	936	/Dec	0	0	461
Gen_IGT-H_High	120	477	54	36.4	29.3	864	/Dec	0	0	477
Gen_IGT-H_High	130	489	54	37.2	30.3	802	/Dec	0	0	489

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-H_High	140	498	53	37.8	31.2	756	/Dec	0	0	498
Gen_IGT-H_High	150	505	52	38.4	31.9	717	/Dec	0	0	505
Gen_IGT-H_High	160	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	170	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	180	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	190	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	200	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	210	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	220	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	230	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	240	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	250	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	260	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	270	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	280	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	290	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	300	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	310	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	320	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	330	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	340	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_High	350	508	52	38.9	32.6	682	/Dec	0	0	508
Gen_IGT-H_Med	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-H_Med	10	0	0	0	1.5	1381	/Dec	0	0	0
Gen_IGT-H_Med	20	0	1	0	3.5	1348	/Dec	0	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-H_Med	30	1	4	0	6.1	1315	/Dec	0	0	1
Gen_IGT-H_Med	40	14	11	14.9	8.8	1290	/Dec	0	0	14
Gen_IGT-H_Med	50	42	19	17.6	11.3	1272	/Dec	0	0	42
Gen_IGT-H_Med	60	90	27	21.4	13.6	1259	/Dec	0	0	90
Gen_IGT-H_Med	70	140	34	24.1	15.6	1250	/Dec	0	0	140
Gen_IGT-H_Med	80	188	39	26.1	17.4	1239	/Dec	0	0	188
Gen_IGT-H_Med	90	228	42	27.6	19	1222	/Dec	0	0	228
Gen_IGT-H_Med	100	265	45	29	20.5	1198	/Dec	0	0	265
Gen_IGT-H_Med	110	300	48	30.2	21.8	1170	/Dec	0	0	300
Gen_IGT-H_Med	120	333	50	31.3	22.9	1135	/Dec	0	0	333
Gen_IGT-H_Med	130	359	51	32.2	23.9	1098	/Dec	0	0	359
Gen_IGT-H_Med	140	379	52	33	24.8	1060	/Dec	0	0	379
Gen_IGT-H_Med	150	395	52	33.6	25.6	1022	/Dec	0	0	395
Gen_IGT-H_Med	160	407	52	34.2	26.4	985	/Dec	0	0	407
Gen_IGT-H_Med	170	417	52	34.7	27	952	/Dec	0	0	417
Gen_IGT-H_Med	180	425	52	35.1	27.6	919	/Dec	0	0	425
Gen_IGT-H_Med	190	431	52	35.5	28.1	886	/Dec	0	0	431
Gen_IGT-H_Med	200	434	51	35.9	28.6	856	/Dec	0	0	434
Gen_IGT-H_Med	210	438	51	36.2	29.1	830	/Dec	0	0	438
Gen_IGT-H_Med	220	441	50	36.5	29.5	807	/Dec	0	0	441
Gen_IGT-H_Med	230	443	50	36.7	29.8	788	/Dec	0	0	443
Gen_IGT-H_Med	240	443	49	37	30.2	769	/Dec	0	0	443
Gen_IGT-H_Med	250	443	49	37.2	30.5	751	/Dec	0	0	443
Gen_IGT-H_Med	260	443	48	37.4	30.8	734	/Dec	0	0	443
Gen_IGT-H_Med	270	443	48	37.6	31	719	/Dec	0	0	443

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-H_Med	280	443	48	37.8	31.3	705	/Dec	0	0	443
Gen_IGT-H_Med	290	443	48	37.8	31.3	705	/Dec	0	0	443
Gen_IGT-H_Med	300	443	48	37.8	31.3	705	/Dec	0	0	443
Gen_IGT-H_Med	310	443	48	37.8	31.3	705	/Dec	0	0	443
Gen_IGT-H_Med	320	443	48	37.8	31.3	705	/Dec	0	0	443
Gen_IGT-H_Med	330	443	48	37.8	31.3	705	/Dec	0	0	443
Gen_IGT-H_Med	340	443	48	37.8	31.3	705	/Dec	0	0	443
Gen_IGT-H_Med	350	443	48	37.8	31.3	705	/Dec	0	0	443
Gen_IGT-I_High	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-I_High	10	0	0	0	1.4	1346	/Dec	0	0	0
Gen_IGT-I_High	20	0	1	0	4.1	1315	/Dec	0	0	0
Gen_IGT-I_High	30	1	6	0	7.6	1284	/Dec	0	0	1
Gen_IGT-I_High	40	28	16	16.8	11	1263	/Dec	0	0	28
Gen_IGT-I_High	50	94	28	22	14.3	1250	/Dec	0	0	94
Gen_IGT-I_High	60	173	37	25.8	17.4	1240	/Dec	0	0	173
Gen_IGT-I_High	70	246	43	28.5	20.3	1208	/Dec	0	0	246
Gen_IGT-I_High	80	322	49	31.2	22.9	1144	/Dec	0	0	322
Gen_IGT-I_High	90	393	53	33.6	25.4	1063	/Dec	0	0	393
Gen_IGT-I_High	100	440	54	35.4	27.7	963	/Dec	0	0	440
Gen_IGT-I_High	110	473	54	37	29.9	838	/Dec	0	0	473
Gen_IGT-I_High	120	501	53	38.4	31.8	750	/Dec	0	0	501
Gen_IGT-I_High	130	523	52	39.9	33.6	656	/Dec	0	0	523
Gen_IGT-I_High	140	531	50	40.9	35.2	574	/Dec	0	0	531
Gen_IGT-I_High	150	535	49	41.8	36.7	509	/Dec	0	0	535
Gen_IGT-I_High	160	538	47	42.7	38.1	459	/Dec	0	0	538

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-I_High	170	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	180	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	190	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	200	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	210	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	220	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	230	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	240	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	250	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	260	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	270	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	280	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	290	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	300	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	310	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	320	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	330	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	340	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_High	350	535	45	43.4	39.3	414	/Dec	0	0	535
Gen_IGT-I_Med	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-I_Med	10	0	0	0	1	1333	/Dec	0	0	0
Gen_IGT-I_Med	20	0	0	0	2.2	1315	/Dec	0	0	0
Gen_IGT-I_Med	30	0	1	0	4	1294	/Dec	0	0	0
Gen_IGT-I_Med	40	0	3	0	6.1	1270	/Dec	0	0	0
Gen_IGT-I_Med	50	3	8	14.1	8.5	1253	/Dec	0	0	3

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-I_Med	60	23	15	16.3	10.7	1237	/Dec	0	0	23
Gen_IGT-I_Med	70	63	22	20.1	12.9	1226	/Dec	0	0	63
Gen_IGT-I_Med	80	109	29	23	15	1219	/Dec	0	0	109
Gen_IGT-I_Med	90	159	35	25.4	16.9	1211	/Dec	0	0	159
Gen_IGT-I_Med	100	206	39	27.4	18.8	1198	/Dec	0	0	206
Gen_IGT-I_Med	110	249	43	28.9	20.5	1175	/Dec	0	0	249
Gen_IGT-I_Med	120	290	46	30.5	22.1	1142	/Dec	0	0	290
Gen_IGT-I_Med	130	338	49	32.2	23.7	1103	/Dec	0	0	338
Gen_IGT-I_Med	140	375	51	33.4	25	1057	/Dec	0	0	375
Gen_IGT-I_Med	150	405	52	34.5	26.3	1008	/Dec	0	0	405
Gen_IGT-I_Med	160	426	53	35.4	27.5	955	/Dec	0	0	426
Gen_IGT-I_Med	170	443	53	36.2	28.6	896	/Dec	0	0	443
Gen_IGT-I_Med	180	457	52	36.9	29.6	836	/Dec	0	0	457
Gen_IGT-I_Med	190	469	52	37.6	30.5	788	/Dec	0	0	469
Gen_IGT-I_Med	200	480	52	38.3	31.4	749	/Dec	0	0	480
Gen_IGT-I_Med	210	489	51	38.8	32.1	712	/Dec	0	0	489
Gen_IGT-I_Med	220	495	51	39.4	32.8	674	/Dec	0	0	495
Gen_IGT-I_Med	230	501	51	39.9	33.5	638	/Dec	0	0	501
Gen_IGT-I_Med	240	506	50	40.4	34	606	/Dec	0	0	506
Gen_IGT-I_Med	250	505	49	40.7	34.6	579	/Dec	0	0	505
Gen_IGT-I_Med	260	505	48	41	35.1	554	/Dec	0	0	505
Gen_IGT-I_Med	270	504	48	41.3	35.5	532	/Dec	0	0	504
Gen_IGT-I_Med	280	504	47	41.5	35.9	511	/Dec	0	0	504
Gen_IGT-I_Med	290	503	47	41.7	36.3	495	/Dec	0	0	503
Gen_IGT-I_Med	300	503	47	41.7	36.3	495	/Dec	0	0	503

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-I_Med	310	503	47	41.7	36.3	495	/Dec	0	0	503
Gen_IGT-I_Med	320	503	47	41.7	36.3	495	/Dec	0	0	503
Gen_IGT-I_Med	330	503	47	41.7	36.3	495	/Dec	0	0	503
Gen_IGT-I_Med	340	503	47	41.7	36.3	495	/Dec	0	0	503
Gen_IGT-I_Med	350	503	47	41.7	36.3	495	/Dec	0	0	503
Gen_IGT-J_High	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-J_High	10	0	0	0	2.1	1331	/Dec	0	0	0
Gen_IGT-J_High	20	1	5	0	6.1	1278	/Dec	0	0	1
Gen_IGT-J_High	30	23	14	16.4	10.2	1247	/Dec	0	0	23
Gen_IGT-J_High	40	80	25	21.2	13.8	1230	/Dec	0	0	80
Gen_IGT-J_High	50	148	34	25	17.1	1220	/Dec	0	0	148
Gen_IGT-J_High	60	218	41	27.8	20	1198	/Dec	0	0	218
Gen_IGT-J_High	70	284	45	30.2	22.6	1150	/Dec	0	0	284
Gen_IGT-J_High	80	347	49	32.4	25	1086	/Dec	0	0	347
Gen_IGT-J_High	90	393	51	34.1	27	1011	/Dec	0	0	393
Gen_IGT-J_High	100	428	52	35.6	28.9	927	/Dec	0	0	428
Gen_IGT-J_High	110	459	52	36.9	30.6	859	/Dec	0	0	459
Gen_IGT-J_High	120	480	52	38.1	32.1	791	/Dec	0	0	480
Gen_IGT-J_High	130	493	51	39	33.4	735	/Dec	0	0	493
Gen_IGT-J_High	140	503	50	39.8	34.6	691	/Dec	0	0	503
Gen_IGT-J_High	150	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	160	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	170	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	180	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	190	508	49	40.5	35.7	651	/Dec	0	0	508

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-J_High	200	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	210	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	220	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	230	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	240	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	250	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	260	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	270	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	280	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	290	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	300	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	310	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	320	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	330	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	340	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_High	350	508	49	40.5	35.7	651	/Dec	0	0	508
Gen_IGT-J_Med	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-J_Med	10	0	0	0	1	1332	/Dec	0	0	0
Gen_IGT-J_Med	20	0	0	0	2.1	1314	/Dec	0	0	0
Gen_IGT-J_Med	30	0	0	0	3.7	1296	/Dec	0	0	0
Gen_IGT-J_Med	40	0	2	0	5.6	1272	/Dec	0	0	0
Gen_IGT-J_Med	50	2	6	0	7.6	1255	/Dec	0	0	2
Gen_IGT-J_Med	60	11	11	14.9	9.7	1238	/Dec	0	0	11
Gen_IGT-J_Med	70	40	18	18.3	11.7	1226	/Dec	0	0	40
Gen_IGT-J_Med	80	77	25	21.1	13.5	1217	/Dec	0	0	77

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-J_Med	90	117	30	23.4	15.3	1211	/Dec	0	0	117
Gen_IGT-J_Med	100	158	35	25.4	16.9	1203	/Dec	0	0	158
Gen_IGT-J_Med	110	197	38	27	18.4	1192	/Dec	0	0	197
Gen_IGT-J_Med	120	230	41	28.3	19.8	1174	/Dec	0	0	230
Gen_IGT-J_Med	130	261	44	29.5	21.1	1151	/Dec	0	0	261
Gen_IGT-J_Med	140	295	46	30.7	22.2	1123	/Dec	0	0	295
Gen_IGT-J_Med	150	325	48	31.8	23.3	1093	/Dec	0	0	325
Gen_IGT-J_Med	160	351	49	32.7	24.3	1060	/Dec	0	0	351
Gen_IGT-J_Med	170	372	50	33.5	25.2	1025	/Dec	0	0	372
Gen_IGT-J_Med	180	389	51	34.2	26.1	990	/Dec	0	0	389
Gen_IGT-J_Med	190	402	51	34.8	26.8	952	/Dec	0	0	402
Gen_IGT-J_Med	200	413	51	35.3	27.5	914	/Dec	0	0	413
Gen_IGT-J_Med	210	423	51	35.8	28.2	879	/Dec	0	0	423
Gen_IGT-J_Med	220	431	51	36.2	28.7	852	/Dec	0	0	431
Gen_IGT-J_Med	230	437	50	36.6	29.3	826	/Dec	0	0	437
Gen_IGT-J_Med	240	444	50	37	29.8	803	/Dec	0	0	444
Gen_IGT-J_Med	250	448	50	37.4	30.2	778	/Dec	0	0	448
Gen_IGT-J_Med	260	452	50	37.7	30.6	755	/Dec	0	0	452
Gen_IGT-J_Med	270	455	49	38	31	732	/Dec	0	0	455
Gen_IGT-J_Med	280	457	49	38.3	31.4	711	/Dec	0	0	457
Gen_IGT-J_Med	290	458	49	38.5	31.7	691	/Dec	0	0	458
Gen_IGT-J_Med	300	458	49	38.5	31.7	691	/Dec	0	0	458
Gen_IGT-J_Med	310	458	49	38.5	31.7	691	/Dec	0	0	458
Gen_IGT-J_Med	320	458	49	38.5	31.7	691	/Dec	0	0	458
Gen_IGT-J_Med	330	458	49	38.5	31.7	691	/Dec	0	0	458

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-J_Med	340	458	49	38.5	31.7	691	/Dec	0	0	458
Gen_IGT-J_Med	350	458	49	38.5	31.7	691	/Dec	0	0	458
Gen_IGT-K_High	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-K_High	10	0	0	0	1.9	1334	/Dec	0	0	0
Gen_IGT-K_High	20	0	4	0	5.4	1287	/Dec	0	0	0
Gen_IGT-K_High	30	20	12	15.6	9.3	1256	/Dec	0	0	20
Gen_IGT-K_High	40	73	24	20.1	12.8	1236	/Dec	0	0	73
Gen_IGT-K_High	50	145	34	24.2	15.9	1223	/Dec	0	0	145
Gen_IGT-K_High	60	217	41	27.2	18.7	1206	/Dec	0	0	217
Gen_IGT-K_High	70	279	46	29.4	21.2	1165	/Dec	0	0	279
Gen_IGT-K_High	80	344	50	31.6	23.4	1104	/Dec	0	0	344
Gen_IGT-K_High	90	392	52	33.2	25.4	1026	/Dec	0	0	392
Gen_IGT-K_High	100	425	52	34.6	27.2	935	/Dec	0	0	425
Gen_IGT-K_High	110	452	52	35.9	28.8	854	/Dec	0	0	452
Gen_IGT-K_High	120	474	52	37.1	30.3	780	/Dec	0	0	474
Gen_IGT-K_High	130	486	51	38	31.6	711	/Dec	0	0	486
Gen_IGT-K_High	140	492	50	38.8	32.8	654	/Dec	0	0	492
Gen_IGT-K_High	150	497	49	39.5	33.9	608	/Dec	0	0	497
Gen_IGT-K_High	160	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	170	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	180	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	190	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	200	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	210	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	220	498	47	40.1	34.9	568	/Dec	0	0	498

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-K_High	230	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	240	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	250	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	260	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	270	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	280	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	290	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	300	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	310	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	320	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	330	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	340	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_High	350	498	47	40.1	34.9	568	/Dec	0	0	498
Gen_IGT-K_Med	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-K_Med	10	0	0	0	1.7	1319	/Dec	0	0	0
Gen_IGT-K_Med	20	0	2	0	4.6	1280	/Dec	0	0	0
Gen_IGT-K_Med	30	10	9	0	7.9	1246	/Dec	0	0	10
Gen_IGT-K_Med	40	36	17	17.1	11	1225	/Dec	0	0	36
Gen_IGT-K_Med	50	93	27	21.8	13.9	1212	/Dec	0	0	93
Gen_IGT-K_Med	60	154	34	25	16.5	1203	/Dec	0	0	154
Gen_IGT-K_Med	70	214	40	27.4	18.9	1188	/Dec	0	0	214
Gen_IGT-K_Med	80	267	45	29.3	21	1159	/Dec	0	0	267
Gen_IGT-K_Med	90	324	48	31.3	22.9	1114	/Dec	0	0	324
Gen_IGT-K_Med	100	367	51	32.7	24.7	1057	/Dec	0	0	367
Gen_IGT-K_Med	110	398	51	34	26.3	987	/Dec	0	0	398

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-K_Med	120	422	51	35.1	27.7	909	/Dec	0	0	422
Gen_IGT-K_Med	130	443	51	36.1	29.1	852	/Dec	0	0	443
Gen_IGT-K_Med	140	460	51	37.1	30.3	790	/Dec	0	0	460
Gen_IGT-K_Med	150	469	50	37.8	31.4	736	/Dec	0	0	469
Gen_IGT-K_Med	160	475	49	38.5	32.4	691	/Dec	0	0	475
Gen_IGT-K_Med	170	480	49	39.1	33.3	657	/Dec	0	0	480
Gen_IGT-K_Med	180	482	48	39.6	34.1	626	/Dec	0	0	482
Gen_IGT-K_Med	190	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	200	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	210	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	220	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	230	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	240	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	250	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	260	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	270	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	280	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	290	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	300	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	310	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	320	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	330	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	340	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Med	350	483	47	40.1	34.8	597	/Dec	0	0	483
Gen_IGT-K_Low	0	0	0	0	0	0	/Dec	0	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-K_Low	10	0	0	0	1.3	1308	/Dec	0	0	0
Gen_IGT-K_Low	20	0	0	0	2.8	1282	/Dec	0	0	0
Gen_IGT-K_Low	30	0	2	0	4.8	1255	/Dec	0	0	0
Gen_IGT-K_Low	40	3	5	0	7	1232	/Dec	0	0	3
Gen_IGT-K_Low	50	14	11	15.3	9.1	1214	/Dec	0	0	14
Gen_IGT-K_Low	60	36	17	17.5	11.1	1199	/Dec	0	0	36
Gen_IGT-K_Low	70	71	24	20.7	12.9	1190	/Dec	0	0	71
Gen_IGT-K_Low	80	110	29	23.1	14.6	1182	/Dec	0	0	110
Gen_IGT-K_Low	90	149	34	25	16.2	1176	/Dec	0	0	149
Gen_IGT-K_Low	100	187	37	26.5	17.6	1167	/Dec	0	0	187
Gen_IGT-K_Low	110	218	40	27.7	18.9	1154	/Dec	0	0	218
Gen_IGT-K_Low	120	247	42	28.9	20.1	1135	/Dec	0	0	247
Gen_IGT-K_Low	130	278	45	30	21.2	1114	/Dec	0	0	278
Gen_IGT-K_Low	140	304	46	30.9	22.2	1088	/Dec	0	0	304
Gen_IGT-K_Low	150	327	48	31.7	23.1	1059	/Dec	0	0	327
Gen_IGT-K_Low	160	344	48	32.4	23.9	1028	/Dec	0	0	344
Gen_IGT-K_Low	170	357	49	32.9	24.7	995	/Dec	0	0	357
Gen_IGT-K_Low	180	369	49	33.5	25.4	961	/Dec	0	0	369
Gen_IGT-K_Low	190	379	49	34	26	933	/Dec	0	0	379
Gen_IGT-K_Low	200	387	49	34.4	26.5	906	/Dec	0	0	387
Gen_IGT-K_Low	210	394	49	34.8	27.1	881	/Dec	0	0	394
Gen_IGT-K_Low	220	399	48	35.2	27.5	856	/Dec	0	0	399
Gen_IGT-K_Low	230	404	48	35.5	28	832	/Dec	0	0	404
Gen_IGT-K_Low	240	407	48	35.8	28.4	810	/Dec	0	0	407
Gen_IGT-K_Low	250	408	48	36	28.7	790	/Dec	0	0	408

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-K_Low	260	409	47	36.3	29.1	772	/Dec	0	0	409
Gen_IGT-K_Low	270	410	47	36.4	29.4	756	/Dec	0	0	410
Gen_IGT-K_Low	280	411	47	36.6	29.6	741	/Dec	0	0	411
Gen_IGT-K_Low	290	411	46	36.8	29.9	729	/Dec	0	0	411
Gen_IGT-K_Low	300	411	46	36.8	29.9	729	/Dec	0	0	411
Gen_IGT-K_Low	310	411	46	36.8	29.9	729	/Dec	0	0	411
Gen_IGT-K_Low	320	411	46	36.8	29.9	729	/Dec	0	0	411
Gen_IGT-K_Low	330	411	46	36.8	29.9	729	/Dec	0	0	411
Gen_IGT-K_Low	340	411	46	36.8	29.9	729	/Dec	0	0	411
Gen_IGT-K_Low	350	411	46	36.8	29.9	729	/Dec	0	0	411
Gen_IGT-M_High	0	0	0	0	0	0	/Dec	-0.99	0	0
Gen_IGT-M_High	10	0	0	0	3	1363	/Dec	-0.99	0	0
Gen_IGT-M_High	20	5	11	13.1	7.9	1296	/Dec	-0.99	0.05	4.95
Gen_IGT-M_High	30	75	26	20	12.5	1264	/Dec	-0.99	0.743	74.257
Gen_IGT-M_High	40	168	38	24.5	16.1	1242	/Dec	-0.99	1.663	166.337
Gen_IGT-M_High	50	238	44	27.2	19	1212	/Dec	-0.99	2.356	235.644
Gen_IGT-M_High	60	296	48	29.1	21.3	1161	/Dec	-0.99	2.93	293.07
Gen_IGT-M_High	70	342	50	30.6	23.2	1092	/Dec	-0.99	3.386	338.614
Gen_IGT-M_High	80	380	51	31.9	24.7	1026	/Dec	-0.99	3.762	376.238
Gen_IGT-M_High	90	414	52	33	26	969	/Dec	-0.99	4.099	409.901
Gen_IGT-M_High	100	438	52	34	27	913	/Dec	-0.99	4.336	433.664
Gen_IGT-M_High	110	456	52	34.8	27.9	856	/Dec	-0.99	4.514	451.486
Gen_IGT-M_High	120	471	52	35.4	28.7	808	/Dec	-0.99	4.663	466.337
Gen_IGT-M_High	130	482	52	36	29.3	769	/Dec	-0.99	4.772	477.228
Gen_IGT-M_High	140	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-M_High	150	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	160	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	170	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	180	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	190	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	200	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	210	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	220	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	230	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	240	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	250	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	260	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	270	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	280	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	290	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	300	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	310	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	320	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	330	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	340	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_High	350	490	51	36.5	29.9	736	/Dec	-0.99	4.851	485.149
Gen_IGT-M_Med	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-M_Med	10	0	0	0	2.4	1337	/Dec	0	0	0
Gen_IGT-M_Med	20	0	5	0	6.2	1280	/Dec	0	0	0
Gen_IGT-M_Med	30	32	17	16.3	9.9	1246	/Dec	0	0	32

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-M_Med	40	91	28	21	13.1	1229	/Dec	0	0	91
Gen_IGT-M_Med	50	159	36	24.5	15.8	1216	/Dec	0	0	159
Gen_IGT-M_Med	60	213	41	26.6	18	1202	/Dec	0	0	213
Gen_IGT-M_Med	70	260	45	28.2	19.8	1182	/Dec	0	0	260
Gen_IGT-M_Med	80	298	48	29.5	21.3	1147	/Dec	0	0	298
Gen_IGT-M_Med	90	331	50	30.6	22.6	1110	/Dec	0	0	331
Gen_IGT-M_Med	100	358	51	31.5	23.7	1065	/Dec	0	0	358
Gen_IGT-M_Med	110	378	51	32.2	24.7	1022	/Dec	0	0	378
Gen_IGT-M_Med	120	397	52	32.9	25.5	984	/Dec	0	0	397
Gen_IGT-M_Med	130	412	52	33.5	26.2	948	/Dec	0	0	412
Gen_IGT-M_Med	140	424	52	34.1	26.8	915	/Dec	0	0	424
Gen_IGT-M_Med	150	434	52	34.5	27.4	888	/Dec	0	0	434
Gen_IGT-M_Med	160	441	52	34.9	27.9	859	/Dec	0	0	441
Gen_IGT-M_Med	170	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	180	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	190	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	200	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	210	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	220	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	230	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	240	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	250	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	260	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	270	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	280	445	51	35.3	28.3	832	/Dec	0	0	445

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-M_Med	290	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	300	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	310	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	320	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	330	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	340	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Med	350	445	51	35.3	28.3	832	/Dec	0	0	445
Gen_IGT-M_Low	0	0	0	0	0	0	/Dec	0	0	0
Gen_IGT-M_Low	10	0	0	0	1.9	1311	/Dec	0	0	0
Gen_IGT-M_Low	20	0	2	0	4.4	1267	/Dec	0	0	0
Gen_IGT-M_Low	30	2	7	0	7.2	1230	/Dec	0	0	2
Gen_IGT-M_Low	40	27	16	16.4	9.7	1207	/Dec	0	0	27
Gen_IGT-M_Low	50	58	22	19.3	11.8	1193	/Dec	0	0	58
Gen_IGT-M_Low	60	102	29	22.2	13.7	1185	/Dec	0	0	102
Gen_IGT-M_Low	70	144	34	24.2	15.3	1178	/Dec	0	0	144
Gen_IGT-M_Low	80	179	38	25.7	16.7	1172	/Dec	0	0	179
Gen_IGT-M_Low	90	208	40	26.8	17.9	1165	/Dec	0	0	208
Gen_IGT-M_Low	100	233	43	27.8	18.9	1155	/Dec	0	0	233
Gen_IGT-M_Low	110	257	44	28.6	19.8	1143	/Dec	0	0	257
Gen_IGT-M_Low	120	278	46	29.3	20.6	1129	/Dec	0	0	278
Gen_IGT-M_Low	130	294	47	29.8	21.3	1112	/Dec	0	0	294
Gen_IGT-M_Low	140	307	47	30.3	21.9	1092	/Dec	0	0	307
Gen_IGT-M_Low	150	319	48	30.7	22.5	1072	/Dec	0	0	319
Gen_IGT-M_Low	160	329	48	31.1	22.9	1056	/Dec	0	0	329
Gen_IGT-M_Low	170	337	49	31.4	23.4	1041	/Dec	0	0	337

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-M_Low	180	344	49	31.8	23.8	1023	/Dec	0	0	344
Gen_IGT-M_Low	190	349	49	32	24.1	1005	/Dec	0	0	349
Gen_IGT-M_Low	200	353	49	32.3	24.5	989	/Dec	0	0	353
Gen_IGT-M_Low	210	357	49	32.5	24.8	975	/Dec	0	0	357
Gen_IGT-M_Low	220	360	48	32.7	25	962	/Dec	0	0	360
Gen_IGT-M_Low	230	363	48	32.9	25.3	951	/Dec	0	0	363
Gen_IGT-M_Low	240	366	48	33	25.5	941	/Dec	0	0	366
Gen_IGT-M_Low	250	368	48	33.2	25.7	932	/Dec	0	0	368
Gen_IGT-M_Low	260	370	48	33.3	25.9	923	/Dec	0	0	370
Gen_IGT-M_Low	270	372	48	33.4	26	915	/Dec	0	0	372
Gen_IGT-M_Low	280	373	48	33.5	26.2	908	/Dec	0	0	373
Gen_IGT-M_Low	290	373	48	33.5	26.2	908	/Dec	0	0	373
Gen_IGT-M_Low	300	373	48	33.5	26.2	908	/Dec	0	0	373
Gen_IGT-M_Low	310	373	48	33.5	26.2	908	/Dec	0	0	373
Gen_IGT-M_Low	320	373	48	33.5	26.2	908	/Dec	0	0	373
Gen_IGT-M_Low	330	373	48	33.5	26.2	908	/Dec	0	0	373
Gen_IGT-M_Low	340	373	48	33.5	26.2	908	/Dec	0	0	373
Gen_IGT-M_Low	350	373	48	33.5	26.2	908	/Dec	0	0	373
Gen_IGT-N_High	0	0	0	0	0	0	/Dec	-15.3	0	0
Gen_IGT-N_High	10	0	0	0	3	1363	/Dec	-15.3	0	0
Gen_IGT-N_High	20	5	11	13.2	8	1296	/Dec	-15.3	0.763	4.237
Gen_IGT-N_High	30	76	26	20.1	12.5	1263	/Dec	-15.3	11.59	64.41
Gen_IGT-N_High	40	170	38	24.6	16.2	1241	/Dec	-15.3	25.925	144.075
Gen_IGT-N_High	50	240	44	27.2	19	1210	/Dec	-15.3	36.6	203.4
Gen_IGT-N_High	60	297	48	29.1	21.3	1159	/Dec	-15.3	45.293	251.707

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-N_High	70	343	50	30.6	23.2	1090	/Dec	-15.3	52.308	290.692
Gen_IGT-N_High	80	380	51	31.8	24.7	1024	/Dec	-15.3	57.95	322.05
Gen_IGT-N_High	90	413	52	33	25.9	968	/Dec	-15.3	62.983	350.017
Gen_IGT-N_High	100	437	52	33.9	26.9	912	/Dec	-15.3	66.643	370.357
Gen_IGT-N_High	110	455	52	34.7	27.8	856	/Dec	-15.3	69.388	385.612
Gen_IGT-N_High	120	470	52	35.3	28.5	808	/Dec	-15.3	71.675	398.325
Gen_IGT-N_High	130	480	52	35.9	29.2	769	/Dec	-15.3	73.2	406.8
Gen_IGT-N_High	140	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	150	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	160	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	170	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	180	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	190	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	200	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	210	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	220	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	230	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	240	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	250	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	260	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	270	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	280	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	290	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	300	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	310	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Gen_IGT-N_High	320	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	330	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	340	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Gen_IGT-N_High	350	488	51	36.4	29.7	736	/Dec	-15.3	74.42	413.58
Fut_IGT-A_High	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-A_High	10	0	0	0	2.5	1190	/Dec	0	0	0
Fut_IGT-A_High	20	2	5	0	6.8	1128	/Dec	0	0	2
Fut_IGT-A_High	30	24	14	17.6	11	1098	/Dec	0	0	24
Fut_IGT-A_High	40	70	22	22.3	14.8	1086	/Dec	0	0	70
Fut_IGT-A_High	50	126	30	25.9	18.1	1080	/Dec	0	0	126
Fut_IGT-A_High	60	186	36	28.7	21.1	1070	/Dec	0	0	186
Fut_IGT-A_High	70	249	41	31.2	23.7	1053	/Dec	0	0	249
Fut_IGT-A_High	80	308	46	33.3	26.1	1028	/Dec	0	0	308
Fut_IGT-A_High	90	362	49	35.1	28.2	998	/Dec	0	0	362
Fut_IGT-A_High	100	412	52	36.7	30	969	/Dec	0	0	412
Fut_IGT-A_High	110	457	54	38.1	31.7	935	/Dec	0	0	457
Fut_IGT-A_High	120	494	56	39.3	33.2	902	/Dec	0	0	494
Fut_IGT-A_High	130	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	140	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	150	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	160	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	170	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	180	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	190	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	200	529	57	40.4	34.6	871	/Dec	0	0	529

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-A_High	210	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	220	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	230	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	240	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	250	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	260	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	270	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	280	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	290	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	300	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	310	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	320	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	330	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	340	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_High	350	529	57	40.4	34.6	871	/Dec	0	0	529
Fut_IGT-A_Med	0	0	0	0	0	0	/Dec	-0.99	0	0
Fut_IGT-A_Med	10	0	0	0	2.1	1054	/Dec	-0.99	0	0
Fut_IGT-A_Med	20	0	3	0	5.5	1001	/Dec	-0.99	0	0
Fut_IGT-A_Med	30	7	8	14.7	8.8	969	/Dec	-0.99	0.069	6.931
Fut_IGT-A_Med	40	28	14	18.6	11.7	951	/Dec	-0.99	0.277	27.723
Fut_IGT-A_Med	50	55	19	21.9	14.4	943	/Dec	-0.99	0.545	54.455
Fut_IGT-A_Med	60	86	23	24.5	16.7	938	/Dec	-0.99	0.851	85.149
Fut_IGT-A_Med	70	118	27	26.6	18.8	934	/Dec	-0.99	1.168	116.832
Fut_IGT-A_Med	80	150	31	28.4	20.6	930	/Dec	-0.99	1.485	148.515
Fut_IGT-A_Med	90	182	34	29.9	22.2	924	/Dec	-0.99	1.802	180.198

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-A_Med	100	213	36	31.2	23.6	918	/Dec	-0.99	2.109	210.891
Fut_IGT-A_Med	110	241	39	32.4	24.9	912	/Dec	-0.99	2.386	238.614
Fut_IGT-A_Med	120	268	41	33.5	26.1	904	/Dec	-0.99	2.653	265.347
Fut_IGT-A_Med	130	295	43	34.4	27.1	897	/Dec	-0.99	2.921	292.079
Fut_IGT-A_Med	140	318	45	35.3	28.1	889	/Dec	-0.99	3.148	314.852
Fut_IGT-A_Med	150	340	46	36	29	881	/Dec	-0.99	3.366	336.634
Fut_IGT-A_Med	160	360	47	36.7	29.7	873	/Dec	-0.99	3.564	356.436
Fut_IGT-A_Med	170	378	49	37.3	30.5	865	/Dec	-0.99	3.742	374.258
Fut_IGT-A_Med	180	395	50	37.9	31.1	858	/Dec	-0.99	3.911	391.089
Fut_IGT-A_Med	190	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	200	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	210	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	220	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	230	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	240	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	250	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	260	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	270	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	280	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	290	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	300	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	310	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	320	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	330	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Med	340	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-A_Med	350	410	50	38.4	31.7	851	/Dec	-0.99	4.059	405.941
Fut_IGT-A_Low	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-A_Low	10	0	0	0	1.8	895	/Dec	0	0	0
Fut_IGT-A_Low	20	0	1	0	4.4	856	/Dec	0	0	0
Fut_IGT-A_Low	30	1	4	14	7.1	830	/Dec	0	0	1
Fut_IGT-A_Low	40	10	8	15.6	9.5	808	/Dec	0	0	10
Fut_IGT-A_Low	50	23	11	18.3	11.6	797	/Dec	0	0	23
Fut_IGT-A_Low	60	39	15	20.7	13.5	791	/Dec	0	0	39
Fut_IGT-A_Low	70	56	17	22.8	15.1	787	/Dec	0	0	56
Fut_IGT-A_Low	80	74	20	24.5	16.6	784	/Dec	0	0	74
Fut_IGT-A_Low	90	91	22	26	17.9	781	/Dec	0	0	91
Fut_IGT-A_Low	100	109	25	27.2	19.1	777	/Dec	0	0	109
Fut_IGT-A_Low	110	125	26	28.4	20.2	774	/Dec	0	0	125
Fut_IGT-A_Low	120	141	28	29.4	21.1	770	/Dec	0	0	141
Fut_IGT-A_Low	130	156	30	30.3	22	766	/Dec	0	0	156
Fut_IGT-A_Low	140	170	31	31	22.8	763	/Dec	0	0	170
Fut_IGT-A_Low	150	183	32	31.7	23.5	761	/Dec	0	0	183
Fut_IGT-A_Low	160	195	33	32.4	24.1	758	/Dec	0	0	195
Fut_IGT-A_Low	170	208	34	33	24.7	754	/Dec	0	0	208
Fut_IGT-A_Low	180	219	35	33.5	25.3	750	/Dec	0	0	219
Fut_IGT-A_Low	190	229	36	34	25.8	747	/Dec	0	0	229
Fut_IGT-A_Low	200	239	37	34.5	26.2	743	/Dec	0	0	239
Fut_IGT-A_Low	210	248	38	34.9	26.7	739	/Dec	0	0	248
Fut_IGT-A_Low	220	257	38	35.3	27.1	735	/Dec	0	0	257
Fut_IGT-A_Low	230	265	39	35.6	27.4	732	/Dec	0	0	265

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-A_Low	240	272	40	35.9	27.8	728	/Dec	0	0	272
Fut_IGT-A_Low	250	279	40	36.3	28.1	725	/Dec	0	0	279
Fut_IGT-A_Low	260	285	40	36.5	28.4	721	/Dec	0	0	285
Fut_IGT-A_Low	270	291	41	36.8	28.7	716	/Dec	0	0	291
Fut_IGT-A_Low	280	296	41	37.1	29	712	/Dec	0	0	296
Fut_IGT-A_Low	290	296	41	37.1	29	712	/Dec	0	0	296
Fut_IGT-A_Low	300	296	41	37.1	29	712	/Dec	0	0	296
Fut_IGT-A_Low	310	296	41	37.1	29	712	/Dec	0	0	296
Fut_IGT-A_Low	320	296	41	37.1	29	712	/Dec	0	0	296
Fut_IGT-A_Low	330	296	41	37.1	29	712	/Dec	0	0	296
Fut_IGT-A_Low	340	296	41	37.1	29	712	/Dec	0	0	296
Fut_IGT-A_Low	350	296	41	37.1	29	712	/Dec	0	0	296
Fut_IGT-C_High	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-C_High	10	0	0	0	2.1	723	/Dec	0	0	0
Fut_IGT-C_High	20	0	2	0	5.5	686	/Dec	0	0	0
Fut_IGT-C_High	30	8	6	15.7	9	659	/Dec	0	0	8
Fut_IGT-C_High	40	28	11	19.3	12.3	647	/Dec	0	0	28
Fut_IGT-C_High	50	54	16	23.1	15.2	643	/Dec	0	0	54
Fut_IGT-C_High	60	85	20	26.3	17.8	641	/Dec	0	0	85
Fut_IGT-C_High	70	117	25	29.1	20.1	639	/Dec	0	0	117
Fut_IGT-C_High	80	151	29	31.4	22.2	636	/Dec	0	0	151
Fut_IGT-C_High	90	187	32	33.4	24	635	/Dec	0	0	187
Fut_IGT-C_High	100	222	36	35.1	25.6	633	/Dec	0	0	222
Fut_IGT-C_High	110	255	39	36.6	27	631	/Dec	0	0	255
Fut_IGT-C_High	120	287	41	38	28.2	629	/Dec	0	0	287

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-C_High	130	318	44	39.2	29.4	626	/Dec	0	0	318
Fut_IGT-C_High	140	347	46	40.2	30.4	623	/Dec	0	0	347
Fut_IGT-C_High	150	374	48	41.1	31.4	621	/Dec	0	0	374
Fut_IGT-C_High	160	399	50	42	32.2	619	/Dec	0	0	399
Fut_IGT-C_High	170	423	51	42.7	33	616	/Dec	0	0	423
Fut_IGT-C_High	180	445	53	43.4	33.7	614	/Dec	0	0	445
Fut_IGT-C_High	190	466	54	44.1	34.3	611	/Dec	0	0	466
Fut_IGT-C_High	200	485	55	44.6	34.9	608	/Dec	0	0	485
Fut_IGT-C_High	210	504	56	45.2	35.4	605	/Dec	0	0	504
Fut_IGT-C_High	220	520	57	45.7	35.9	602	/Dec	0	0	520
Fut_IGT-C_High	230	536	58	46.1	36.4	599	/Dec	0	0	536
Fut_IGT-C_High	240	550	59	46.5	36.8	596	/Dec	0	0	550
Fut_IGT-C_High	250	564	59	46.9	37.2	592	/Dec	0	0	564
Fut_IGT-C_High	260	577	60	47.3	37.6	589	/Dec	0	0	577
Fut_IGT-C_High	270	589	60	47.6	38	585	/Dec	0	0	589
Fut_IGT-C_High	280	600	61	48	38.3	581	/Dec	0	0	600
Fut_IGT-C_High	290	610	61	48.3	38.6	578	/Dec	0	0	610
Fut_IGT-C_High	300	610	61	48.3	38.6	578	/Dec	0	0	610
Fut_IGT-C_High	310	610	61	48.3	38.6	578	/Dec	0	0	610
Fut_IGT-C_High	320	610	61	48.3	38.6	578	/Dec	0	0	610
Fut_IGT-C_High	330	610	61	48.3	38.6	578	/Dec	0	0	610
Fut_IGT-C_High	340	610	61	48.3	38.6	578	/Dec	0	0	610
Fut_IGT-C_High	350	610	61	48.3	38.6	578	/Dec	0	0	610
Fut_IGT-C_Med	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-C_Med	10	0	0	0	1.6	727	/Dec	0	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-C_Med	20	0	1	0	4.2	698	/Dec	0	0	0
Fut_IGT-C_Med	30	2	4	14.3	7	671	/Dec	0	0	2
Fut_IGT-C_Med	40	11	7	16.2	9.7	654	/Dec	0	0	11
Fut_IGT-C_Med	50	26	11	19	12.1	645	/Dec	0	0	26
Fut_IGT-C_Med	60	45	14	22	14.3	641	/Dec	0	0	45
Fut_IGT-C_Med	70	66	18	24.5	16.3	639	/Dec	0	0	66
Fut_IGT-C_Med	80	88	21	26.7	18.1	637	/Dec	0	0	88
Fut_IGT-C_Med	90	110	24	28.6	19.7	635	/Dec	0	0	110
Fut_IGT-C_Med	100	133	26	30.2	21.1	633	/Dec	0	0	133
Fut_IGT-C_Med	110	155	29	31.7	22.4	631	/Dec	0	0	155
Fut_IGT-C_Med	120	178	31	33	23.6	629	/Dec	0	0	178
Fut_IGT-C_Med	130	199	33	34.1	24.6	627	/Dec	0	0	199
Fut_IGT-C_Med	140	220	35	35.1	25.6	625	/Dec	0	0	220
Fut_IGT-C_Med	150	240	37	36	26.4	623	/Dec	0	0	240
Fut_IGT-C_Med	160	258	38	36.9	27.2	621	/Dec	0	0	258
Fut_IGT-C_Med	170	276	40	37.6	27.9	619	/Dec	0	0	276
Fut_IGT-C_Med	180	293	41	38.3	28.6	616	/Dec	0	0	293
Fut_IGT-C_Med	190	308	42	38.9	29.2	614	/Dec	0	0	308
Fut_IGT-C_Med	200	322	43	39.5	29.7	612	/Dec	0	0	322
Fut_IGT-C_Med	210	336	44	40	30.2	610	/Dec	0	0	336
Fut_IGT-C_Med	220	349	45	40.5	30.7	607	/Dec	0	0	349
Fut_IGT-C_Med	230	361	46	40.9	31.1	605	/Dec	0	0	361
Fut_IGT-C_Med	240	372	47	41.3	31.5	603	/Dec	0	0	372
Fut_IGT-C_Med	250	382	48	41.7	31.9	601	/Dec	0	0	382
Fut_IGT-C_Med	260	392	48	42	32.3	598	/Dec	0	0	392

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-C_Med	270	402	49	42.4	32.6	596	/Dec	0	0	402
Fut_IGT-C_Med	280	411	49	42.7	32.9	594	/Dec	0	0	411
Fut_IGT-C_Med	290	419	50	43	33.2	591	/Dec	0	0	419
Fut_IGT-C_Med	300	419	50	43	33.2	591	/Dec	0	0	419
Fut_IGT-C_Med	310	419	50	43	33.2	591	/Dec	0	0	419
Fut_IGT-C_Med	320	419	50	43	33.2	591	/Dec	0	0	419
Fut_IGT-C_Med	330	419	50	43	33.2	591	/Dec	0	0	419
Fut_IGT-C_Med	340	419	50	43	33.2	591	/Dec	0	0	419
Fut_IGT-C_Med	350	419	50	43	33.2	591	/Dec	0	0	419
Fut_IGT-C_Low	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-C_Low	10	0	0	0	1	732	/Dec	0	0	0
Fut_IGT-C_Low	20	0	0	0	2.3	718	/Dec	0	0	0
Fut_IGT-C_Low	30	0	1	0	3.8	699	/Dec	0	0	0
Fut_IGT-C_Low	40	0	2	0	5.4	682	/Dec	0	0	0
Fut_IGT-C_Low	50	1	3	14.5	7	667	/Dec	0	0	1
Fut_IGT-C_Low	60	5	5	15.3	8.6	653	/Dec	0	0	5
Fut_IGT-C_Low	70	11	7	16.3	10	646	/Dec	0	0	11
Fut_IGT-C_Low	80	19	9	17.9	11.4	640	/Dec	0	0	19
Fut_IGT-C_Low	90	28	11	19.6	12.6	635	/Dec	0	0	28
Fut_IGT-C_Low	100	37	13	21.2	13.8	633	/Dec	0	0	37
Fut_IGT-C_Low	110	47	15	22.6	14.9	631	/Dec	0	0	47
Fut_IGT-C_Low	120	58	16	23.8	15.9	629	/Dec	0	0	58
Fut_IGT-C_Low	130	68	18	24.9	16.8	627	/Dec	0	0	68
Fut_IGT-C_Low	140	79	19	26	17.6	625	/Dec	0	0	79
Fut_IGT-C_Low	150	89	21	26.9	18.4	623	/Dec	0	0	89

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-C_Low	160	99	22	27.7	19.1	621	/Dec	0	0	99
Fut_IGT-C_Low	170	109	23	28.5	19.7	619	/Dec	0	0	109
Fut_IGT-C_Low	180	119	24	29.2	20.4	617	/Dec	0	0	119
Fut_IGT-C_Low	190	128	25	29.9	20.9	615	/Dec	0	0	128
Fut_IGT-C_Low	200	137	26	30.5	21.5	613	/Dec	0	0	137
Fut_IGT-C_Low	210	146	27	31	21.9	611	/Dec	0	0	146
Fut_IGT-C_Low	220	154	28	31.5	22.4	609	/Dec	0	0	154
Fut_IGT-C_Low	230	162	28	32	22.8	607	/Dec	0	0	162
Fut_IGT-C_Low	240	170	29	32.4	23.2	605	/Dec	0	0	170
Fut_IGT-C_Low	250	177	30	32.9	23.6	603	/Dec	0	0	177
Fut_IGT-C_Low	260	183	31	33.2	24	601	/Dec	0	0	183
Fut_IGT-C_Low	270	190	31	33.6	24.3	599	/Dec	0	0	190
Fut_IGT-C_Low	280	196	32	33.9	24.6	596	/Dec	0	0	196
Fut_IGT-C_Low	290	202	32	34.2	24.9	594	/Dec	0	0	202
Fut_IGT-C_Low	300	202	32	34.2	24.9	594	/Dec	0	0	202
Fut_IGT-C_Low	310	202	32	34.2	24.9	594	/Dec	0	0	202
Fut_IGT-C_Low	320	202	32	34.2	24.9	594	/Dec	0	0	202
Fut_IGT-C_Low	330	202	32	34.2	24.9	594	/Dec	0	0	202
Fut_IGT-C_Low	340	202	32	34.2	24.9	594	/Dec	0	0	202
Fut_IGT-C_Low	350	202	32	34.2	24.9	594	/Dec	0	0	202
Fut_IGT-C_Poor	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-C_Poor	10	0	0	0	0.7	735	/Dec	0	0	0
Fut_IGT-C_Poor	20	0	0	0	1.4	727	/Dec	0	0	0
Fut_IGT-C_Poor	30	0	0	0	2.3	716	/Dec	0	0	0
Fut_IGT-C_Poor	40	0	0	0	3.5	700	/Dec	0	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-C_Poor	50	0	1	0	4.7	685	/Dec	0	0	0
Fut_IGT-C_Poor	60	0	2	0	6.1	672	/Dec	0	0	0
Fut_IGT-C_Poor	70	1	4	14.5	7.4	660	/Dec	0	0	1
Fut_IGT-C_Poor	80	5	5	15.2	8.7	648	/Dec	0	0	5
Fut_IGT-C_Poor	90	10	7	16.1	9.9	642	/Dec	0	0	10
Fut_IGT-C_Poor	100	17	9	17.5	11.1	636	/Dec	0	0	17
Fut_IGT-C_Poor	110	24	10	19	12.3	632	/Dec	0	0	24
Fut_IGT-C_Poor	120	32	12	20.4	13.3	629	/Dec	0	0	32
Fut_IGT-C_Poor	130	41	13	21.8	14.4	626	/Dec	0	0	41
Fut_IGT-C_Poor	140	50	15	23	15.3	625	/Dec	0	0	50
Fut_IGT-C_Poor	150	59	16	24.2	16.2	623	/Dec	0	0	59
Fut_IGT-C_Poor	160	69	18	25.2	17.1	621	/Dec	0	0	69
Fut_IGT-C_Poor	170	78	19	26.2	17.9	619	/Dec	0	0	78
Fut_IGT-C_Poor	180	87	20	27.1	18.6	617	/Dec	0	0	87
Fut_IGT-C_Poor	190	96	22	27.9	19.3	615	/Dec	0	0	96
Fut_IGT-C_Poor	200	106	23	28.7	20	612	/Dec	0	0	106
Fut_IGT-C_Poor	210	115	24	29.5	20.6	610	/Dec	0	0	115
Fut_IGT-C_Poor	220	124	25	30.1	21.2	608	/Dec	0	0	124
Fut_IGT-C_Poor	230	132	26	30.8	21.8	606	/Dec	0	0	132
Fut_IGT-C_Poor	240	141	27	31.4	22.3	605	/Dec	0	0	141
Fut_IGT-C_Poor	250	150	28	31.9	22.8	603	/Dec	0	0	150
Fut_IGT-C_Poor	260	158	29	32.4	23.2	601	/Dec	0	0	158
Fut_IGT-C_Poor	270	165	29	32.9	23.7	600	/Dec	0	0	165
Fut_IGT-C_Poor	280	173	30	33.4	24.1	598	/Dec	0	0	173
Fut_IGT-C_Poor	290	181	31	33.8	24.5	595	/Dec	0	0	181

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-C_Poor	300	181	31	33.8	24.5	595	/Dec	0	0	181
Fut_IGT-C_Poor	310	181	31	33.8	24.5	595	/Dec	0	0	181
Fut_IGT-C_Poor	320	181	31	33.8	24.5	595	/Dec	0	0	181
Fut_IGT-C_Poor	330	181	31	33.8	24.5	595	/Dec	0	0	181
Fut_IGT-C_Poor	340	181	31	33.8	24.5	595	/Dec	0	0	181
Fut_IGT-C_Poor	350	181	31	33.8	24.5	595	/Dec	0	0	181
Fut_IGT-D_High	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-D_High	10	0	1	0	3.1	1180	/Dec	0	0	0
Fut_IGT-D_High	20	3	7	14.4	7.6	1112	/Dec	0	0	3
Fut_IGT-D_High	30	34	16	18.9	11.8	1084	/Dec	0	0	34
Fut_IGT-D_High	40	80	24	23.1	15.5	1073	/Dec	0	0	80
Fut_IGT-D_High	50	130	30	26.3	18.7	1068	/Dec	0	0	130
Fut_IGT-D_High	60	183	35	28.8	21.4	1060	/Dec	0	0	183
Fut_IGT-D_High	70	236	40	31	23.8	1047	/Dec	0	0	236
Fut_IGT-D_High	80	288	44	32.8	25.9	1034	/Dec	0	0	288
Fut_IGT-D_High	90	336	48	34.4	27.6	1023	/Dec	0	0	336
Fut_IGT-D_High	100	381	51	35.8	29.1	1010	/Dec	0	0	381
Fut_IGT-D_High	110	421	53	36.9	30.4	995	/Dec	0	0	421
Fut_IGT-D_High	120	456	55	37.9	31.6	980	/Dec	0	0	456
Fut_IGT-D_High	130	487	57	38.7	32.5	963	/Dec	0	0	487
Fut_IGT-D_High	140	515	58	39.5	33.4	947	/Dec	0	0	515
Fut_IGT-D_High	150	538	59	40.1	34.1	930	/Dec	0	0	538
Fut_IGT-D_High	160	558	60	40.7	34.7	916	/Dec	0	0	558
Fut_IGT-D_High	170	575	60	41.1	35.3	903	/Dec	0	0	575
Fut_IGT-D_High	180	589	61	41.6	35.8	889	/Dec	0	0	589

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-D_High	190	600	61	41.9	36.2	876	/Dec	0	0	600
Fut_IGT-D_High	200	610	61	42.2	36.5	865	/Dec	0	0	610
Fut_IGT-D_High	210	618	62	42.5	36.9	855	/Dec	0	0	618
Fut_IGT-D_High	220	626	62	42.7	37.1	845	/Dec	0	0	626
Fut_IGT-D_High	230	632	62	43	37.4	835	/Dec	0	0	632
Fut_IGT-D_High	240	638	62	43.2	37.6	827	/Dec	0	0	638
Fut_IGT-D_High	250	643	62	43.3	37.8	819	/Dec	0	0	643
Fut_IGT-D_High	260	646	62	43.5	38	812	/Dec	0	0	646
Fut_IGT-D_High	270	650	62	43.6	38.2	806	/Dec	0	0	650
Fut_IGT-D_High	280	653	62	43.7	38.3	800	/Dec	0	0	653
Fut_IGT-D_High	290	656	62	43.9	38.4	795	/Dec	0	0	656
Fut_IGT-D_High	300	656	62	43.9	38.4	795	/Dec	0	0	656
Fut_IGT-D_High	310	656	62	43.9	38.4	795	/Dec	0	0	656
Fut_IGT-D_High	320	656	62	43.9	38.4	795	/Dec	0	0	656
Fut_IGT-D_High	330	656	62	43.9	38.4	795	/Dec	0	0	656
Fut_IGT-D_High	340	656	62	43.9	38.4	795	/Dec	0	0	656
Fut_IGT-D_High	350	656	62	43.9	38.4	795	/Dec	0	0	656
Fut_IGT-D_Med	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-D_Med	10	0	0	0	2.3	1051	/Dec	0	0	0
Fut_IGT-D_Med	20	0	4	0	6	995	/Dec	0	0	0
Fut_IGT-D_Med	30	12	10	15.8	9.5	963	/Dec	0	0	12
Fut_IGT-D_Med	40	39	16	19.8	12.6	948	/Dec	0	0	39
Fut_IGT-D_Med	50	70	21	23	15.3	941	/Dec	0	0	70
Fut_IGT-D_Med	60	104	25	25.5	17.6	936	/Dec	0	0	104
Fut_IGT-D_Med	70	138	29	27.5	19.7	932	/Dec	0	0	138

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-D_Med	80	171	33	29.3	21.5	927	/Dec	0	0	171
Fut_IGT-D_Med	90	202	36	30.7	23	922	/Dec	0	0	202
Fut_IGT-D_Med	100	232	38	32	24.4	917	/Dec	0	0	232
Fut_IGT-D_Med	110	260	41	33	25.6	911	/Dec	0	0	260
Fut_IGT-D_Med	120	286	43	34	26.6	906	/Dec	0	0	286
Fut_IGT-D_Med	130	310	44	34.8	27.5	900	/Dec	0	0	310
Fut_IGT-D_Med	140	331	46	35.5	28.3	894	/Dec	0	0	331
Fut_IGT-D_Med	150	350	47	36.2	29	888	/Dec	0	0	350
Fut_IGT-D_Med	160	367	48	36.7	29.7	882	/Dec	0	0	367
Fut_IGT-D_Med	170	382	49	37.2	30.2	876	/Dec	0	0	382
Fut_IGT-D_Med	180	395	50	37.6	30.7	870	/Dec	0	0	395
Fut_IGT-D_Med	190	407	51	38	31.2	865	/Dec	0	0	407
Fut_IGT-D_Med	200	418	51	38.3	31.6	861	/Dec	0	0	418
Fut_IGT-D_Med	210	428	52	38.7	32	855	/Dec	0	0	428
Fut_IGT-D_Med	220	437	52	39	32.3	850	/Dec	0	0	437
Fut_IGT-D_Med	230	445	53	39.2	32.6	844	/Dec	0	0	445
Fut_IGT-D_Med	240	453	53	39.5	32.9	840	/Dec	0	0	453
Fut_IGT-D_Med	250	460	53	39.7	33.1	835	/Dec	0	0	460
Fut_IGT-D_Med	260	466	53	39.9	33.3	831	/Dec	0	0	466
Fut_IGT-D_Med	270	471	54	40.1	33.5	826	/Dec	0	0	471
Fut_IGT-D_Med	280	476	54	40.2	33.7	822	/Dec	0	0	476
Fut_IGT-D_Med	290	481	54	40.4	33.9	818	/Dec	0	0	481
Fut_IGT-D_Med	300	481	54	40.4	33.9	818	/Dec	0	0	481
Fut_IGT-D_Med	310	481	54	40.4	33.9	818	/Dec	0	0	481
Fut_IGT-D_Med	320	481	54	40.4	33.9	818	/Dec	0	0	481

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-D_Med	330	481	54	40.4	33.9	818	/Dec	0	0	481
Fut_IGT-D_Med	340	481	54	40.4	33.9	818	/Dec	0	0	481
Fut_IGT-D_Med	350	481	54	40.4	33.9	818	/Dec	0	0	481
Fut_IGT-D_Low	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-D_Low	10	0	0	0	1.7	896	/Dec	0	0	0
Fut_IGT-D_Low	20	0	1	0	4.1	860	/Dec	0	0	0
Fut_IGT-D_Low	30	1	4	13.9	6.7	833	/Dec	0	0	1
Fut_IGT-D_Low	40	8	7	15.3	9	811	/Dec	0	0	8
Fut_IGT-D_Low	50	21	11	17.7	11	799	/Dec	0	0	21
Fut_IGT-D_Low	60	35	14	20	12.8	792	/Dec	0	0	35
Fut_IGT-D_Low	70	51	17	22.1	14.4	787	/Dec	0	0	51
Fut_IGT-D_Low	80	68	19	23.7	15.8	784	/Dec	0	0	68
Fut_IGT-D_Low	90	83	21	25.1	17.1	780	/Dec	0	0	83
Fut_IGT-D_Low	100	98	23	26.3	18.1	777	/Dec	0	0	98
Fut_IGT-D_Low	110	112	25	27.4	19.1	774	/Dec	0	0	112
Fut_IGT-D_Low	120	125	27	28.3	20	770	/Dec	0	0	125
Fut_IGT-D_Low	130	137	28	29.1	20.7	767	/Dec	0	0	137
Fut_IGT-D_Low	140	149	29	29.8	21.4	763	/Dec	0	0	149
Fut_IGT-D_Low	150	159	30	30.4	22	760	/Dec	0	0	159
Fut_IGT-D_Low	160	169	31	30.9	22.5	757	/Dec	0	0	169
Fut_IGT-D_Low	170	177	32	31.4	23	754	/Dec	0	0	177
Fut_IGT-D_Low	180	184	32	31.8	23.5	749	/Dec	0	0	184
Fut_IGT-D_Low	190	191	33	32.2	23.9	744	/Dec	0	0	191
Fut_IGT-D_Low	200	197	33	32.6	24.2	739	/Dec	0	0	197
Fut_IGT-D_Low	210	203	34	32.9	24.6	734	/Dec	0	0	203

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-D_Low	220	208	34	33.2	24.9	729	/Dec	0	0	208
Fut_IGT-D_Low	230	213	35	33.5	25.1	725	/Dec	0	0	213
Fut_IGT-D_Low	240	218	35	33.8	25.4	721	/Dec	0	0	218
Fut_IGT-D_Low	250	222	35	34	25.6	717	/Dec	0	0	222
Fut_IGT-D_Low	260	226	35	34.2	25.9	713	/Dec	0	0	226
Fut_IGT-D_Low	270	229	36	34.4	26.1	710	/Dec	0	0	229
Fut_IGT-D_Low	280	233	36	34.6	26.2	706	/Dec	0	0	233
Fut_IGT-D_Low	290	236	36	34.8	26.4	703	/Dec	0	0	236
Fut_IGT-D_Low	300	236	36	34.8	26.4	703	/Dec	0	0	236
Fut_IGT-D_Low	310	236	36	34.8	26.4	703	/Dec	0	0	236
Fut_IGT-D_Low	320	236	36	34.8	26.4	703	/Dec	0	0	236
Fut_IGT-D_Low	330	236	36	34.8	26.4	703	/Dec	0	0	236
Fut_IGT-D_Low	340	236	36	34.8	26.4	703	/Dec	0	0	236
Fut_IGT-D_Low	350	236	36	34.8	26.4	703	/Dec	0	0	236
Fut_IGT-D_Poor	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-D_Poor	10	0	0	0	1.1	723	/Dec	0	0	0
Fut_IGT-D_Poor	20	0	0	0	2.3	709	/Dec	0	0	0
Fut_IGT-D_Poor	30	0	1	0	3.6	691	/Dec	0	0	0
Fut_IGT-D_Poor	40	0	1	0	4.9	676	/Dec	0	0	0
Fut_IGT-D_Poor	50	0	2	0	6.1	663	/Dec	0	0	0
Fut_IGT-D_Poor	60	1	3	14.5	7.2	652	/Dec	0	0	1
Fut_IGT-D_Poor	70	4	5	15	8.2	642	/Dec	0	0	4
Fut_IGT-D_Poor	80	7	6	15.6	9	635	/Dec	0	0	7
Fut_IGT-D_Poor	90	10	7	16.1	9.8	629	/Dec	0	0	10
Fut_IGT-D_Poor	100	13	8	16.8	10.5	625	/Dec	0	0	13

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-D_Poor	110	16	8	17.5	11.1	620	/Dec	0	0	16
Fut_IGT-D_Poor	120	20	9	18.2	11.6	616	/Dec	0	0	20
Fut_IGT-D_Poor	130	23	10	18.8	12.1	613	/Dec	0	0	23
Fut_IGT-D_Poor	140	25	10	19.4	12.6	610	/Dec	0	0	25
Fut_IGT-D_Poor	150	28	11	19.9	13	606	/Dec	0	0	28
Fut_IGT-D_Poor	160	31	11	20.4	13.3	602	/Dec	0	0	31
Fut_IGT-D_Poor	170	33	12	20.8	13.6	599	/Dec	0	0	33
Fut_IGT-D_Poor	180	35	12	21.2	13.9	597	/Dec	0	0	35
Fut_IGT-D_Poor	190	37	12	21.6	14.2	594	/Dec	0	0	37
Fut_IGT-D_Poor	200	39	13	21.9	14.5	592	/Dec	0	0	39
Fut_IGT-D_Poor	210	41	13	22.2	14.7	589	/Dec	0	0	41
Fut_IGT-D_Poor	220	42	13	22.5	14.9	586	/Dec	0	0	42
Fut_IGT-D_Poor	230	44	14	22.7	15.1	583	/Dec	0	0	44
Fut_IGT-D_Poor	240	45	14	23	15.3	581	/Dec	0	0	45
Fut_IGT-D_Poor	250	47	14	23.2	15.4	579	/Dec	0	0	47
Fut_IGT-D_Poor	260	48	14	23.4	15.6	577	/Dec	0	0	48
Fut_IGT-D_Poor	270	49	14	23.6	15.7	575	/Dec	0	0	49
Fut_IGT-D_Poor	280	50	15	23.7	15.9	574	/Dec	0	0	50
Fut_IGT-D_Poor	290	51	15	23.9	16	572	/Dec	0	0	51
Fut_IGT-D_Poor	300	51	15	23.9	16	572	/Dec	0	0	51
Fut_IGT-D_Poor	310	51	15	23.9	16	572	/Dec	0	0	51
Fut_IGT-D_Poor	320	51	15	23.9	16	572	/Dec	0	0	51
Fut_IGT-D_Poor	330	51	15	23.9	16	572	/Dec	0	0	51
Fut_IGT-D_Poor	340	51	15	23.9	16	572	/Dec	0	0	51
Fut_IGT-D_Poor	350	51	15	23.9	16	572	/Dec	0	0	51

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-H_High	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-H_High	10	0	0	0	1.4	1402	/Dec	0	0	0
Fut_IGT-H_High	20	0	1	0	3.5	1372	/Dec	0	0	0
Fut_IGT-H_High	30	3	4	0	6.3	1338	/Dec	0	0	3
Fut_IGT-H_High	40	14	12	15	9.3	1314	/Dec	0	0	14
Fut_IGT-H_High	50	53	21	18.7	12	1295	/Dec	0	0	53
Fut_IGT-H_High	60	108	30	22.4	14.5	1282	/Dec	0	0	108
Fut_IGT-H_High	70	165	37	25.1	16.8	1272	/Dec	0	0	165
Fut_IGT-H_High	80	219	42	27.2	18.8	1254	/Dec	0	0	219
Fut_IGT-H_High	90	264	45	28.8	20.5	1224	/Dec	0	0	264
Fut_IGT-H_High	100	306	48	30.3	22.1	1184	/Dec	0	0	306
Fut_IGT-H_High	110	348	51	31.7	23.5	1139	/Dec	0	0	348
Fut_IGT-H_High	120	381	52	32.9	24.7	1091	/Dec	0	0	381
Fut_IGT-H_High	130	405	53	33.8	25.8	1041	/Dec	0	0	405
Fut_IGT-H_High	140	423	53	34.5	26.8	992	/Dec	0	0	423
Fut_IGT-H_High	150	437	53	35.2	27.7	948	/Dec	0	0	437
Fut_IGT-H_High	160	449	53	35.8	28.5	907	/Dec	0	0	449
Fut_IGT-H_High	170	457	53	36.3	29.2	863	/Dec	0	0	457
Fut_IGT-H_High	180	462	52	36.8	29.8	824	/Dec	0	0	462
Fut_IGT-H_High	190	466	52	37.2	30.4	789	/Dec	0	0	466
Fut_IGT-H_High	200	470	51	37.6	30.9	761	/Dec	0	0	470
Fut_IGT-H_High	210	472	51	37.9	31.4	738	/Dec	0	0	472
Fut_IGT-H_High	220	474	50	38.2	31.8	717	/Dec	0	0	474
Fut_IGT-H_High	230	475	50	38.5	32.2	698	/Dec	0	0	475
Fut_IGT-H_High	240	476	49	38.7	32.6	681	/Dec	0	0	476

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-H_High	250	476	49	38.7	32.6	681	/Dec	0	0	476
Fut_IGT-H_High	260	476	49	38.7	32.6	681	/Dec	0	0	476
Fut_IGT-H_High	270	476	49	38.7	32.6	681	/Dec	0	0	476
Fut_IGT-H_High	280	476	49	38.7	32.6	681	/Dec	0	0	476
Fut_IGT-H_High	290	476	49	38.7	32.6	681	/Dec	0	0	476
Fut_IGT-H_High	300	476	49	38.7	32.6	681	/Dec	0	0	476
Fut_IGT-H_High	310	476	49	38.7	32.6	681	/Dec	0	0	476
Fut_IGT-H_High	320	476	49	38.7	32.6	681	/Dec	0	0	476
Fut_IGT-H_High	330	476	49	38.7	32.6	681	/Dec	0	0	476
Fut_IGT-H_High	340	476	49	38.7	32.6	681	/Dec	0	0	476
Fut_IGT-H_High	350	476	49	38.7	32.6	681	/Dec	0	0	476
Fut_IGT-H_Med	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-H_Med	10	0	0	0	1.1	1388	/Dec	0	0	0
Fut_IGT-H_Med	20	0	0	0	2.4	1364	/Dec	0	0	0
Fut_IGT-H_Med	30	0	1	0	4.1	1340	/Dec	0	0	0
Fut_IGT-H_Med	40	1	4	0	6.1	1314	/Dec	0	0	1
Fut_IGT-H_Med	50	6	8	12.6	8.1	1295	/Dec	0	0	6
Fut_IGT-H_Med	60	18	14	15.5	10.1	1277	/Dec	0	0	18
Fut_IGT-H_Med	70	49	20	18.7	11.9	1264	/Dec	0	0	49
Fut_IGT-H_Med	80	85	26	21.4	13.6	1253	/Dec	0	0	85
Fut_IGT-H_Med	90	123	31	23.4	15.2	1245	/Dec	0	0	123
Fut_IGT-H_Med	100	160	36	25.2	16.6	1236	/Dec	0	0	160
Fut_IGT-H_Med	110	196	39	26.6	17.9	1225	/Dec	0	0	196
Fut_IGT-H_Med	120	225	42	27.7	19.1	1208	/Dec	0	0	225
Fut_IGT-H_Med	130	252	44	28.7	20.2	1188	/Dec	0	0	252

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-H_Med	140	279	46	29.7	21.2	1164	/Dec	0	0	279
Fut_IGT-H_Med	150	303	47	30.6	22.2	1139	/Dec	0	0	303
Fut_IGT-H_Med	160	326	48	31.4	23	1111	/Dec	0	0	326
Fut_IGT-H_Med	170	346	49	32.2	23.7	1083	/Dec	0	0	346
Fut_IGT-H_Med	180	361	50	32.7	24.4	1054	/Dec	0	0	361
Fut_IGT-H_Med	190	373	50	33.3	25.1	1024	/Dec	0	0	373
Fut_IGT-H_Med	200	383	50	33.7	25.6	996	/Dec	0	0	383
Fut_IGT-H_Med	210	392	50	34.1	26.2	969	/Dec	0	0	392
Fut_IGT-H_Med	220	399	50	34.5	26.6	944	/Dec	0	0	399
Fut_IGT-H_Med	230	404	50	34.8	27.1	920	/Dec	0	0	404
Fut_IGT-H_Med	240	409	50	35.2	27.5	898	/Dec	0	0	409
Fut_IGT-H_Med	250	412	50	35.4	27.9	876	/Dec	0	0	412
Fut_IGT-H_Med	260	415	50	35.7	28.2	854	/Dec	0	0	415
Fut_IGT-H_Med	270	417	49	35.9	28.5	832	/Dec	0	0	417
Fut_IGT-H_Med	280	418	49	36.2	28.8	812	/Dec	0	0	418
Fut_IGT-H_Med	290	419	48	36.4	29.1	794	/Dec	0	0	419
Fut_IGT-H_Med	300	419	48	36.4	29.1	794	/Dec	0	0	419
Fut_IGT-H_Med	310	419	48	36.4	29.1	794	/Dec	0	0	419
Fut_IGT-H_Med	320	419	48	36.4	29.1	794	/Dec	0	0	419
Fut_IGT-H_Med	330	419	48	36.4	29.1	794	/Dec	0	0	419
Fut_IGT-H_Med	340	419	48	36.4	29.1	794	/Dec	0	0	419
Fut_IGT-H_Med	350	419	48	36.4	29.1	794	/Dec	0	0	419
Fut_IGT-H_Low	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-H_Low	10	0	0	0	0.9	1372	/Dec	0	0	0
Fut_IGT-H_Low	20	0	0	0	1.6	1359	/Dec	0	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-H_Low	30	0	0	0	2.6	1339	/Dec	0	0	0
Fut_IGT-H_Low	40	0	1	0	3.8	1322	/Dec	0	0	0
Fut_IGT-H_Low	50	0	2	0	5.2	1301	/Dec	0	0	0
Fut_IGT-H_Low	60	0	4	0	6.6	1283	/Dec	0	0	0
Fut_IGT-H_Low	70	2	7	13.4	8	1269	/Dec	0	0	2
Fut_IGT-H_Low	80	10	11	14.8	9.4	1255	/Dec	0	0	10
Fut_IGT-H_Low	90	26	15	16.6	10.7	1242	/Dec	0	0	26
Fut_IGT-H_Low	100	47	20	19	12	1232	/Dec	0	0	47
Fut_IGT-H_Low	110	72	24	20.8	13.2	1223	/Dec	0	0	72
Fut_IGT-H_Low	120	97	27	22.4	14.3	1215	/Dec	0	0	97
Fut_IGT-H_Low	130	122	30	23.7	15.4	1208	/Dec	0	0	122
Fut_IGT-H_Low	140	147	33	24.9	16.4	1200	/Dec	0	0	147
Fut_IGT-H_Low	150	171	36	26	17.3	1192	/Dec	0	0	171
Fut_IGT-H_Low	160	192	38	26.9	18.1	1182	/Dec	0	0	192
Fut_IGT-H_Low	170	211	39	27.6	18.9	1170	/Dec	0	0	211
Fut_IGT-H_Low	180	228	41	28.3	19.7	1158	/Dec	0	0	228
Fut_IGT-H_Low	190	244	42	28.9	20.3	1143	/Dec	0	0	244
Fut_IGT-H_Low	200	260	43	29.6	21	1127	/Dec	0	0	260
Fut_IGT-H_Low	210	275	44	30.2	21.6	1112	/Dec	0	0	275
Fut_IGT-H_Low	220	290	45	30.7	22.1	1096	/Dec	0	0	290
Fut_IGT-H_Low	230	303	46	31.3	22.6	1079	/Dec	0	0	303
Fut_IGT-H_Low	240	316	46	31.8	23.1	1063	/Dec	0	0	316
Fut_IGT-H_Low	250	327	47	32.2	23.5	1048	/Dec	0	0	327
Fut_IGT-H_Low	260	335	47	32.6	23.9	1029	/Dec	0	0	335
Fut_IGT-H_Low	270	342	47	32.9	24.3	1011	/Dec	0	0	342

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-H_Low	280	348	48	33.2	24.7	993	/Dec	0	0	348
Fut_IGT-H_Low	290	353	48	33.4	25	977	/Dec	0	0	353
Fut_IGT-H_Low	300	353	48	33.4	25	977	/Dec	0	0	353
Fut_IGT-H_Low	310	353	48	33.4	25	977	/Dec	0	0	353
Fut_IGT-H_Low	320	353	48	33.4	25	977	/Dec	0	0	353
Fut_IGT-H_Low	330	353	48	33.4	25	977	/Dec	0	0	353
Fut_IGT-H_Low	340	353	48	33.4	25	977	/Dec	0	0	353
Fut_IGT-H_Low	350	353	48	33.4	25	977	/Dec	0	0	353
Fut_IGT-I_High	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-I_High	10	0	0	0	1.4	1346	/Dec	0	0	0
Fut_IGT-I_High	20	0	1	0	4.1	1315	/Dec	0	0	0
Fut_IGT-I_High	30	1	6	0	7.7	1284	/Dec	0	0	1
Fut_IGT-I_High	40	29	16	16.9	11.1	1263	/Dec	0	0	29
Fut_IGT-I_High	50	96	28	22.1	14.3	1250	/Dec	0	0	96
Fut_IGT-I_High	60	175	37	25.9	17.4	1240	/Dec	0	0	175
Fut_IGT-I_High	70	248	43	28.6	20.3	1206	/Dec	0	0	248
Fut_IGT-I_High	80	325	49	31.3	23	1142	/Dec	0	0	325
Fut_IGT-I_High	90	396	53	33.7	25.5	1060	/Dec	0	0	396
Fut_IGT-I_High	100	442	54	35.5	27.8	959	/Dec	0	0	442
Fut_IGT-I_High	110	474	53	37.1	30	833	/Dec	0	0	474
Fut_IGT-I_High	120	503	53	38.5	31.9	746	/Dec	0	0	503
Fut_IGT-I_High	130	524	52	39.9	33.7	651	/Dec	0	0	524
Fut_IGT-I_High	140	531	50	41	35.3	569	/Dec	0	0	531
Fut_IGT-I_High	150	535	49	41.9	36.8	506	/Dec	0	0	535
Fut_IGT-I_High	160	538	47	42.7	38.2	456	/Dec	0	0	538

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-I_High	170	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	180	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	190	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	200	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	210	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	220	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	230	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	240	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	250	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	260	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	270	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	280	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	290	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	300	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	310	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	320	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	330	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	340	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_High	350	535	45	43.5	39.4	412	/Dec	0	0	535
Fut_IGT-I_Med	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-I_Med	10	0	0	0	1.1	1333	/Dec	0	0	0
Fut_IGT-I_Med	20	0	0	0	2.4	1312	/Dec	0	0	0
Fut_IGT-I_Med	30	0	1	0	4.6	1289	/Dec	0	0	0
Fut_IGT-I_Med	40	0	4	0	6.9	1266	/Dec	0	0	0
Fut_IGT-I_Med	50	9	10	14.6	9.5	1247	/Dec	0	0	9

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-I_Med	60	43	19	18.6	11.9	1234	/Dec	0	0	43
Fut_IGT-I_Med	70	91	27	22.1	14.2	1224	/Dec	0	0	91
Fut_IGT-I_Med	80	145	33	24.8	16.4	1217	/Dec	0	0	145
Fut_IGT-I_Med	90	200	39	27.1	18.5	1205	/Dec	0	0	200
Fut_IGT-I_Med	100	247	43	28.8	20.4	1181	/Dec	0	0	247
Fut_IGT-I_Med	110	294	46	30.6	22.2	1145	/Dec	0	0	294
Fut_IGT-I_Med	120	348	50	32.4	23.9	1101	/Dec	0	0	348
Fut_IGT-I_Med	130	388	52	33.8	25.5	1048	/Dec	0	0	388
Fut_IGT-I_Med	140	418	53	34.9	26.9	988	/Dec	0	0	418
Fut_IGT-I_Med	150	441	53	35.9	28.2	925	/Dec	0	0	441
Fut_IGT-I_Med	160	458	53	36.8	29.4	852	/Dec	0	0	458
Fut_IGT-I_Med	170	474	52	37.7	30.6	793	/Dec	0	0	474
Fut_IGT-I_Med	180	487	52	38.4	31.6	746	/Dec	0	0	487
Fut_IGT-I_Med	190	498	52	39.2	32.5	698	/Dec	0	0	498
Fut_IGT-I_Med	200	507	51	39.8	33.4	651	/Dec	0	0	507
Fut_IGT-I_Med	210	513	51	40.4	34.2	609	/Dec	0	0	513
Fut_IGT-I_Med	220	513	50	40.9	34.9	574	/Dec	0	0	513
Fut_IGT-I_Med	230	514	49	41.3	35.5	541	/Dec	0	0	514
Fut_IGT-I_Med	240	514	48	41.6	36.1	513	/Dec	0	0	514
Fut_IGT-I_Med	250	513	47	41.9	36.6	492	/Dec	0	0	513
Fut_IGT-I_Med	260	513	46	42.2	37.1	473	/Dec	0	0	513
Fut_IGT-I_Med	270	513	46	42.5	37.6	456	/Dec	0	0	513
Fut_IGT-I_Med	280	512	45	42.8	38	441	/Dec	0	0	512
Fut_IGT-I_Med	290	509	45	43	38.4	426	/Dec	0	0	509
Fut_IGT-I_Med	300	509	45	43	38.4	426	/Dec	0	0	509

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-I_Med	310	509	45	43	38.4	426	/Dec	0	0	509
Fut_IGT-I_Med	320	509	45	43	38.4	426	/Dec	0	0	509
Fut_IGT-I_Med	330	509	45	43	38.4	426	/Dec	0	0	509
Fut_IGT-I_Med	340	509	45	43	38.4	426	/Dec	0	0	509
Fut_IGT-I_Med	350	509	45	43	38.4	426	/Dec	0	0	509
Fut_IGT-J_High	0	0	0	0	0	0	/Dec	-0.99	0	0
Fut_IGT-J_High	10	0	0	0	1.4	1346	/Dec	-0.99	0	0
Fut_IGT-J_High	20	0	1	0	3.8	1315	/Dec	-0.99	0	0
Fut_IGT-J_High	30	1	5	0	7.1	1282	/Dec	-0.99	0.01	0.99
Fut_IGT-J_High	40	17	14	15.6	10.4	1261	/Dec	-0.99	0.168	16.832
Fut_IGT-J_High	50	73	24	20.8	13.5	1247	/Dec	-0.99	0.723	72.277
Fut_IGT-J_High	60	139	33	24.5	16.3	1239	/Dec	-0.99	1.376	137.624
Fut_IGT-J_High	70	207	40	27.2	19	1220	/Dec	-0.99	2.049	204.951
Fut_IGT-J_High	80	268	45	29.5	21.5	1178	/Dec	-0.99	2.653	265.347
Fut_IGT-J_High	90	336	49	31.9	23.7	1119	/Dec	-0.99	3.326	332.674
Fut_IGT-J_High	100	388	52	33.7	25.8	1048	/Dec	-0.99	3.841	384.159
Fut_IGT-J_High	110	423	52	35.1	27.6	963	/Dec	-0.99	4.188	418.812
Fut_IGT-J_High	120	450	52	36.4	29.3	871	/Dec	-0.99	4.455	445.545
Fut_IGT-J_High	130	474	52	37.6	30.9	804	/Dec	-0.99	4.693	469.307
Fut_IGT-J_High	140	492	52	38.7	32.3	730	/Dec	-0.99	4.871	487.129
Fut_IGT-J_High	150	501	51	39.6	33.6	666	/Dec	-0.99	4.96	496.04
Fut_IGT-J_High	160	507	49	40.4	34.8	613	/Dec	-0.99	5.019	501.981
Fut_IGT-J_High	170	512	48	41	35.9	574	/Dec	-0.99	5.069	506.931
Fut_IGT-J_High	180	514	47	41.7	36.9	538	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	190	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-J_High	200	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	210	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	220	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	230	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	240	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	250	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	260	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	270	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	280	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	290	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	300	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	310	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	320	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	330	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	340	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_High	350	514	46	42.2	37.8	506	/Dec	-0.99	5.089	508.911
Fut_IGT-J_Med	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-J_Med	10	0	0	0	1	1332	/Dec	0	0	0
Fut_IGT-J_Med	20	0	0	0	2.1	1313	/Dec	0	0	0
Fut_IGT-J_Med	30	0	1	0	3.8	1294	/Dec	0	0	0
Fut_IGT-J_Med	40	0	2	0	5.7	1270	/Dec	0	0	0
Fut_IGT-J_Med	50	3	6	0	7.7	1253	/Dec	0	0	3
Fut_IGT-J_Med	60	13	12	15	9.8	1236	/Dec	0	0	13
Fut_IGT-J_Med	70	42	19	18.4	11.7	1224	/Dec	0	0	42
Fut_IGT-J_Med	80	79	25	21.2	13.6	1215	/Dec	0	0	79

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-J_Med	90	119	30	23.6	15.3	1209	/Dec	0	0	119
Fut_IGT-J_Med	100	161	35	25.5	16.9	1201	/Dec	0	0	161
Fut_IGT-J_Med	110	199	39	27.1	18.4	1189	/Dec	0	0	199
Fut_IGT-J_Med	120	233	41	28.3	19.8	1171	/Dec	0	0	233
Fut_IGT-J_Med	130	264	44	29.5	21.1	1147	/Dec	0	0	264
Fut_IGT-J_Med	140	299	46	30.8	22.3	1118	/Dec	0	0	299
Fut_IGT-J_Med	150	330	48	31.9	23.4	1087	/Dec	0	0	330
Fut_IGT-J_Med	160	355	49	32.8	24.4	1053	/Dec	0	0	355
Fut_IGT-J_Med	170	375	50	33.6	25.3	1017	/Dec	0	0	375
Fut_IGT-J_Med	180	392	51	34.2	26.2	980	/Dec	0	0	392
Fut_IGT-J_Med	190	404	51	34.8	27	940	/Dec	0	0	404
Fut_IGT-J_Med	200	415	51	35.4	27.7	901	/Dec	0	0	415
Fut_IGT-J_Med	210	424	51	35.9	28.3	865	/Dec	0	0	424
Fut_IGT-J_Med	220	432	50	36.3	28.9	838	/Dec	0	0	432
Fut_IGT-J_Med	230	439	50	36.7	29.4	812	/Dec	0	0	439
Fut_IGT-J_Med	240	445	50	37.1	29.9	789	/Dec	0	0	445
Fut_IGT-J_Med	250	449	50	37.5	30.4	764	/Dec	0	0	449
Fut_IGT-J_Med	260	452	49	37.8	30.8	740	/Dec	0	0	452
Fut_IGT-J_Med	270	455	49	38.1	31.2	717	/Dec	0	0	455
Fut_IGT-J_Med	280	457	49	38.4	31.5	696	/Dec	0	0	457
Fut_IGT-J_Med	290	458	48	38.6	31.8	677	/Dec	0	0	458
Fut_IGT-J_Med	300	458	48	38.6	31.8	677	/Dec	0	0	458
Fut_IGT-J_Med	310	458	48	38.6	31.8	677	/Dec	0	0	458
Fut_IGT-J_Med	320	458	48	38.6	31.8	677	/Dec	0	0	458
Fut_IGT-J_Med	330	458	48	38.6	31.8	677	/Dec	0	0	458

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-J_Med	340	458	48	38.6	31.8	677	/Dec	0	0	458
Fut_IGT-J_Med	350	458	48	38.6	31.8	677	/Dec	0	0	458
Fut_IGT-J_Low	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-J_Low	10	0	0	0	0.8	1315	/Dec	0	0	0
Fut_IGT-J_Low	20	0	0	0	1.5	1306	/Dec	0	0	0
Fut_IGT-J_Low	30	0	0	0	2.4	1289	/Dec	0	0	0
Fut_IGT-J_Low	40	0	0	0	3.6	1276	/Dec	0	0	0
Fut_IGT-J_Low	50	0	2	0	5	1257	/Dec	0	0	0
Fut_IGT-J_Low	60	0	3	0	6.4	1240	/Dec	0	0	0
Fut_IGT-J_Low	70	1	6	12.8	7.9	1228	/Dec	0	0	1
Fut_IGT-J_Low	80	8	10	14.6	9.3	1215	/Dec	0	0	8
Fut_IGT-J_Low	90	25	15	16.6	10.8	1203	/Dec	0	0	25
Fut_IGT-J_Low	100	48	19	19.2	12.2	1195	/Dec	0	0	48
Fut_IGT-J_Low	110	75	24	21.2	13.5	1187	/Dec	0	0	75
Fut_IGT-J_Low	120	102	27	22.8	14.7	1181	/Dec	0	0	102
Fut_IGT-J_Low	130	129	31	24.3	15.9	1175	/Dec	0	0	129
Fut_IGT-J_Low	140	156	34	25.6	16.9	1169	/Dec	0	0	156
Fut_IGT-J_Low	150	181	36	26.7	17.9	1161	/Dec	0	0	181
Fut_IGT-J_Low	160	204	38	27.6	18.9	1152	/Dec	0	0	204
Fut_IGT-J_Low	170	224	40	28.4	19.7	1140	/Dec	0	0	224
Fut_IGT-J_Low	180	243	41	29.1	20.5	1126	/Dec	0	0	243
Fut_IGT-J_Low	190	261	43	29.8	21.3	1112	/Dec	0	0	261
Fut_IGT-J_Low	200	280	44	30.6	22	1095	/Dec	0	0	280
Fut_IGT-J_Low	210	297	45	31.2	22.6	1080	/Dec	0	0	297
Fut_IGT-J_Low	220	314	46	31.9	23.2	1063	/Dec	0	0	314

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-J_Low	230	327	47	32.4	23.8	1045	/Dec	0	0	327
Fut_IGT-J_Low	240	339	48	32.8	24.3	1027	/Dec	0	0	339
Fut_IGT-J_Low	250	350	48	33.3	24.7	1011	/Dec	0	0	350
Fut_IGT-J_Low	260	359	48	33.6	25.1	994	/Dec	0	0	359
Fut_IGT-J_Low	270	365	49	33.9	25.5	975	/Dec	0	0	365
Fut_IGT-J_Low	280	371	49	34.2	25.9	958	/Dec	0	0	371
Fut_IGT-J_Low	290	376	49	34.5	26.2	942	/Dec	0	0	376
Fut_IGT-J_Low	300	376	49	34.5	26.2	942	/Dec	0	0	376
Fut_IGT-J_Low	310	376	49	34.5	26.2	942	/Dec	0	0	376
Fut_IGT-J_Low	320	376	49	34.5	26.2	942	/Dec	0	0	376
Fut_IGT-J_Low	330	376	49	34.5	26.2	942	/Dec	0	0	376
Fut_IGT-J_Low	340	376	49	34.5	26.2	942	/Dec	0	0	376
Fut_IGT-J_Low	350	376	49	34.5	26.2	942	/Dec	0	0	376
Fut_IGT-K_High	0	0	0	0	0	0	/Dec	-3.85	0	0
Fut_IGT-K_High	10	0	0	0	1.9	1335	/Dec	-3.85	0	0
Fut_IGT-K_High	20	3	5	0	6.2	1285	/Dec	-3.85	0.116	2.884
Fut_IGT-K_High	30	33	16	16.5	10.6	1255	/Dec	-3.85	1.271	31.729
Fut_IGT-K_High	40	110	29	22.3	14.5	1237	/Dec	-3.85	4.235	105.765
Fut_IGT-K_High	50	197	39	26.4	18	1222	/Dec	-3.85	7.585	189.415
Fut_IGT-K_High	60	275	46	29.3	21.1	1176	/Dec	-3.85	10.588	264.412
Fut_IGT-K_High	70	356	51	32	23.9	1099	/Dec	-3.85	13.706	342.294
Fut_IGT-K_High	80	417	53	34.2	26.4	1001	/Dec	-3.85	16.055	400.945
Fut_IGT-K_High	90	458	53	35.9	28.6	880	/Dec	-3.85	17.633	440.367
Fut_IGT-K_High	100	489	53	37.4	30.6	779	/Dec	-3.85	18.827	470.173
Fut_IGT-K_High	110	511	52	38.9	32.4	679	/Dec	-3.85	19.674	491.326

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-K_High	120	518	50	39.9	34.1	598	/Dec	-3.85	19.943	498.057
Fut_IGT-K_High	130	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	140	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	150	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	160	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	170	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	180	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	190	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	200	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	210	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	220	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	230	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	240	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	250	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	260	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	270	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	280	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	290	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	300	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	310	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	320	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	330	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	340	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_High	350	524	49	40.9	35.6	538	/Dec	-3.85	20.174	503.826
Fut_IGT-K_Med	0	0	0	0	0	0	/Dec	-2.91	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-K_Med	10	0	0	0	1.5	1323	/Dec	-2.91	0	0
Fut_IGT-K_Med	20	0	1	0	4.1	1289	/Dec	-2.91	0	0
Fut_IGT-K_Med	30	6	6	0	7.2	1255	/Dec	-2.91	0.175	5.825
Fut_IGT-K_Med	40	25	14	16.1	10.2	1234	/Dec	-2.91	0.728	24.272
Fut_IGT-K_Med	50	75	24	20.5	13	1220	/Dec	-2.91	2.183	72.817
Fut_IGT-K_Med	60	134	32	24	15.6	1211	/Dec	-2.91	3.899	130.101
Fut_IGT-K_Med	70	195	39	26.6	18	1201	/Dec	-2.91	5.675	189.325
Fut_IGT-K_Med	80	248	43	28.6	20.1	1177	/Dec	-2.91	7.217	240.783
Fut_IGT-K_Med	90	301	47	30.5	22.1	1138	/Dec	-2.91	8.759	292.241
Fut_IGT-K_Med	100	352	50	32.2	23.8	1087	/Dec	-2.91	10.243	341.757
Fut_IGT-K_Med	110	389	52	33.5	25.5	1027	/Dec	-2.91	11.32	377.68
Fut_IGT-K_Med	120	416	52	34.6	26.9	954	/Dec	-2.91	12.106	403.894
Fut_IGT-K_Med	130	437	52	35.7	28.3	882	/Dec	-2.91	12.717	424.283
Fut_IGT-K_Med	140	455	52	36.6	29.5	827	/Dec	-2.91	13.241	441.759
Fut_IGT-K_Med	150	469	51	37.5	30.6	767	/Dec	-2.91	13.648	455.352
Fut_IGT-K_Med	160	477	51	38.2	31.6	714	/Dec	-2.91	13.881	463.119
Fut_IGT-K_Med	170	480	49	38.8	32.5	667	/Dec	-2.91	13.968	466.032
Fut_IGT-K_Med	180	483	49	39.3	33.4	634	/Dec	-2.91	14.055	468.945
Fut_IGT-K_Med	190	486	48	39.8	34.1	604	/Dec	-2.91	14.143	471.857
Fut_IGT-K_Med	200	485	47	40.2	34.8	577	/Dec	-2.91	14.114	470.886
Fut_IGT-K_Med	210	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Med	220	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Med	230	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Med	240	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Med	250	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-K_Med	260	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Med	270	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Med	280	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Med	290	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Med	300	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Med	310	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Med	320	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Med	330	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Med	340	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Med	350	484	46	40.6	35.4	553	/Dec	-2.91	14.084	469.916
Fut_IGT-K_Low	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-K_Low	10	0	0	0	1.1	1310	/Dec	0	0	0
Fut_IGT-K_Low	20	0	0	0	2.4	1287	/Dec	0	0	0
Fut_IGT-K_Low	30	0	1	0	4.1	1267	/Dec	0	0	0
Fut_IGT-K_Low	40	1	4	0	6	1243	/Dec	0	0	1
Fut_IGT-K_Low	50	7	8	0	8	1225	/Dec	0	0	7
Fut_IGT-K_Low	60	19	13	15.7	10	1209	/Dec	0	0	19
Fut_IGT-K_Low	70	46	19	18.8	11.8	1197	/Dec	0	0	46
Fut_IGT-K_Low	80	82	25	21.5	13.5	1189	/Dec	0	0	82
Fut_IGT-K_Low	90	119	30	23.6	15.2	1183	/Dec	0	0	119
Fut_IGT-K_Low	100	158	34	25.4	16.6	1176	/Dec	0	0	158
Fut_IGT-K_Low	110	193	38	26.8	18	1166	/Dec	0	0	193
Fut_IGT-K_Low	120	223	40	28	19.3	1152	/Dec	0	0	223
Fut_IGT-K_Low	130	252	43	29.1	20.5	1133	/Dec	0	0	252
Fut_IGT-K_Low	140	284	45	30.3	21.5	1110	/Dec	0	0	284

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-K_Low	150	312	47	31.3	22.5	1084	/Dec	0	0	312
Fut_IGT-K_Low	160	334	48	32.1	23.4	1056	/Dec	0	0	334
Fut_IGT-K_Low	170	352	49	32.7	24.3	1023	/Dec	0	0	352
Fut_IGT-K_Low	180	366	49	33.3	25	991	/Dec	0	0	366
Fut_IGT-K_Low	190	377	49	33.9	25.7	956	/Dec	0	0	377
Fut_IGT-K_Low	200	386	49	34.3	26.4	920	/Dec	0	0	386
Fut_IGT-K_Low	210	395	49	34.8	27	889	/Dec	0	0	395
Fut_IGT-K_Low	220	402	49	35.2	27.5	864	/Dec	0	0	402
Fut_IGT-K_Low	230	408	49	35.6	28	842	/Dec	0	0	408
Fut_IGT-K_Low	240	414	49	35.9	28.4	821	/Dec	0	0	414
Fut_IGT-K_Low	250	417	48	36.2	28.8	799	/Dec	0	0	417
Fut_IGT-K_Low	260	420	48	36.5	29.2	777	/Dec	0	0	420
Fut_IGT-K_Low	270	422	48	36.8	29.5	756	/Dec	0	0	422
Fut_IGT-K_Low	280	425	48	37	29.9	736	/Dec	0	0	425
Fut_IGT-K_Low	290	425	47	37.2	30.1	719	/Dec	0	0	425
Fut_IGT-K_Low	300	425	47	37.2	30.1	719	/Dec	0	0	425
Fut_IGT-K_Low	310	425	47	37.2	30.1	719	/Dec	0	0	425
Fut_IGT-K_Low	320	425	47	37.2	30.1	719	/Dec	0	0	425
Fut_IGT-K_Low	330	425	47	37.2	30.1	719	/Dec	0	0	425
Fut_IGT-K_Low	340	425	47	37.2	30.1	719	/Dec	0	0	425
Fut_IGT-K_Low	350	425	47	37.2	30.1	719	/Dec	0	0	425
Fut_IGT-K_Poor	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-K_Poor	10	0	0	0	0.9	1175	/Dec	0	0	0
Fut_IGT-K_Poor	20	0	0	0	1.6	1164	/Dec	0	0	0
Fut_IGT-K_Poor	30	0	0	0	2.5	1148	/Dec	0	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-K_Poor	40	0	1	0	3.8	1133	/Dec	0	0	0
Fut_IGT-K_Poor	50	0	2	0	5.1	1118	/Dec	0	0	0
Fut_IGT-K_Poor	60	0	3	0	6.5	1103	/Dec	0	0	0
Fut_IGT-K_Poor	70	3	6	12.7	7.9	1092	/Dec	0	0	3
Fut_IGT-K_Poor	80	10	9	14.8	9.3	1081	/Dec	0	0	10
Fut_IGT-K_Poor	90	25	14	16.9	10.7	1072	/Dec	0	0	25
Fut_IGT-K_Poor	100	46	18	19.3	12	1064	/Dec	0	0	46
Fut_IGT-K_Poor	110	69	22	21.2	13.2	1058	/Dec	0	0	69
Fut_IGT-K_Poor	120	93	25	22.8	14.4	1053	/Dec	0	0	93
Fut_IGT-K_Poor	130	117	28	24.3	15.5	1048	/Dec	0	0	117
Fut_IGT-K_Poor	140	142	31	25.5	16.5	1042	/Dec	0	0	142
Fut_IGT-K_Poor	150	164	34	26.6	17.4	1036	/Dec	0	0	164
Fut_IGT-K_Poor	160	184	35	27.5	18.2	1029	/Dec	0	0	184
Fut_IGT-K_Poor	170	202	37	28.2	19	1020	/Dec	0	0	202
Fut_IGT-K_Poor	180	219	38	29	19.8	1011	/Dec	0	0	219
Fut_IGT-K_Poor	190	236	40	29.6	20.5	1001	/Dec	0	0	236
Fut_IGT-K_Poor	200	254	41	30.3	21.1	989	/Dec	0	0	254
Fut_IGT-K_Poor	210	270	42	30.9	21.7	979	/Dec	0	0	270
Fut_IGT-K_Poor	220	285	43	31.5	22.2	967	/Dec	0	0	285
Fut_IGT-K_Poor	230	297	44	32	22.7	954	/Dec	0	0	297
Fut_IGT-K_Poor	240	307	44	32.4	23.1	942	/Dec	0	0	307
Fut_IGT-K_Poor	250	317	45	32.8	23.5	931	/Dec	0	0	317
Fut_IGT-K_Poor	260	325	45	33.1	23.9	918	/Dec	0	0	325
Fut_IGT-K_Poor	270	330	45	33.4	24.3	904	/Dec	0	0	330
Fut_IGT-K_Poor	280	335	46	33.6	24.6	891	/Dec	0	0	335

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-K_Poor	290	339	46	33.8	24.9	879	/Dec	0	0	339
Fut_IGT-K_Poor	300	339	46	33.8	24.9	879	/Dec	0	0	339
Fut_IGT-K_Poor	310	339	46	33.8	24.9	879	/Dec	0	0	339
Fut_IGT-K_Poor	320	339	46	33.8	24.9	879	/Dec	0	0	339
Fut_IGT-K_Poor	330	339	46	33.8	24.9	879	/Dec	0	0	339
Fut_IGT-K_Poor	340	339	46	33.8	24.9	879	/Dec	0	0	339
Fut_IGT-K_Poor	350	339	46	33.8	24.9	879	/Dec	0	0	339
Fut_IGT-M_High	0	0	0	0	0	0	/Dec	-0.99	0	0
Fut_IGT-M_High	10	0	1	0	3.1	1361	/Dec	-0.99	0	0
Fut_IGT-M_High	20	5	11	13.9	8	1294	/Dec	-0.99	0.05	4.95
Fut_IGT-M_High	30	72	26	20	12.4	1263	/Dec	-0.99	0.713	71.287
Fut_IGT-M_High	40	160	36	24.3	16	1243	/Dec	-0.99	1.584	158.416
Fut_IGT-M_High	50	225	42	26.8	18.8	1214	/Dec	-0.99	2.228	222.772
Fut_IGT-M_High	60	279	46	28.7	21.1	1171	/Dec	-0.99	2.762	276.238
Fut_IGT-M_High	70	322	48	30.1	22.9	1114	/Dec	-0.99	3.188	318.812
Fut_IGT-M_High	80	358	50	31.4	24.4	1057	/Dec	-0.99	3.544	354.456
Fut_IGT-M_High	90	391	51	32.5	25.6	1010	/Dec	-0.99	3.871	387.129
Fut_IGT-M_High	100	418	52	33.4	26.6	970	/Dec	-0.99	4.138	413.862
Fut_IGT-M_High	110	437	52	34.2	27.4	922	/Dec	-0.99	4.326	432.674
Fut_IGT-M_High	120	453	52	34.8	28.1	882	/Dec	-0.99	4.485	448.515
Fut_IGT-M_High	130	467	53	35.3	28.7	847	/Dec	-0.99	4.623	462.377
Fut_IGT-M_High	140	477	52	35.8	29.2	817	/Dec	-0.99	4.722	472.278
Fut_IGT-M_High	150	486	52	36.2	29.6	791	/Dec	-0.99	4.811	481.189
Fut_IGT-M_High	160	493	52	36.5	30	770	/Dec	-0.99	4.881	488.119
Fut_IGT-M_High	170	499	52	36.8	30.3	751	/Dec	-0.99	4.94	494.06

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-M_High	180	504	52	37.1	30.6	734	/Dec	-0.99	4.99	499.01
Fut_IGT-M_High	190	509	51	37.3	30.9	719	/Dec	-0.99	5.039	503.961
Fut_IGT-M_High	200	513	51	37.5	31.1	706	/Dec	-0.99	5.079	507.921
Fut_IGT-M_High	210	513	51	37.7	31.3	693	/Dec	-0.99	5.079	507.921
Fut_IGT-M_High	220	513	51	37.9	31.5	680	/Dec	-0.99	5.079	507.921
Fut_IGT-M_High	230	512	50	38	31.6	669	/Dec	-0.99	5.069	506.931
Fut_IGT-M_High	240	512	50	38.1	31.8	659	/Dec	-0.99	5.069	506.931
Fut_IGT-M_High	250	511	50	38.2	31.9	649	/Dec	-0.99	5.059	505.941
Fut_IGT-M_High	260	511	49	38.3	32	641	/Dec	-0.99	5.059	505.941
Fut_IGT-M_High	270	511	49	38.4	32.2	633	/Dec	-0.99	5.059	505.941
Fut_IGT-M_High	280	510	49	38.5	32.3	625	/Dec	-0.99	5.049	504.951
Fut_IGT-M_High	290	510	48	38.6	32.3	618	/Dec	-0.99	5.049	504.951
Fut_IGT-M_High	300	510	48	38.6	32.3	618	/Dec	-0.99	5.049	504.951
Fut_IGT-M_High	310	510	48	38.6	32.3	618	/Dec	-0.99	5.049	504.951
Fut_IGT-M_High	320	510	48	38.6	32.3	618	/Dec	-0.99	5.049	504.951
Fut_IGT-M_High	330	510	48	38.6	32.3	618	/Dec	-0.99	5.049	504.951
Fut_IGT-M_High	340	510	48	38.6	32.3	618	/Dec	-0.99	5.049	504.951
Fut_IGT-M_High	350	510	48	38.6	32.3	618	/Dec	-0.99	5.049	504.951
Fut_IGT-M_Med	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-M_Med	10	0	0	0	2.2	1341	/Dec	0	0	0
Fut_IGT-M_Med	20	0	4	0	5.9	1280	/Dec	0	0	0
Fut_IGT-M_Med	30	21	15	15.5	9.3	1244	/Dec	0	0	21
Fut_IGT-M_Med	40	67	24	19.9	12.2	1225	/Dec	0	0	67
Fut_IGT-M_Med	50	126	32	23.1	14.7	1213	/Dec	0	0	126
Fut_IGT-M_Med	60	176	38	25.3	16.6	1202	/Dec	0	0	176

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-M_Med	70	214	41	26.8	18.3	1189	/Dec	0	0	214
Fut_IGT-M_Med	80	248	44	28	19.6	1174	/Dec	0	0	248
Fut_IGT-M_Med	90	276	46	28.9	20.8	1154	/Dec	0	0	276
Fut_IGT-M_Med	100	300	47	29.7	21.7	1130	/Dec	0	0	300
Fut_IGT-M_Med	110	319	48	30.3	22.5	1108	/Dec	0	0	319
Fut_IGT-M_Med	120	334	49	30.9	23.2	1079	/Dec	0	0	334
Fut_IGT-M_Med	130	347	49	31.3	23.8	1055	/Dec	0	0	347
Fut_IGT-M_Med	140	359	50	31.7	24.3	1035	/Dec	0	0	359
Fut_IGT-M_Med	150	368	50	32.1	24.8	1016	/Dec	0	0	368
Fut_IGT-M_Med	160	377	50	32.5	25.2	995	/Dec	0	0	377
Fut_IGT-M_Med	170	383	50	32.8	25.5	978	/Dec	0	0	383
Fut_IGT-M_Med	180	389	50	33	25.8	963	/Dec	0	0	389
Fut_IGT-M_Med	190	394	50	33.3	26.1	949	/Dec	0	0	394
Fut_IGT-M_Med	200	398	50	33.5	26.3	937	/Dec	0	0	398
Fut_IGT-M_Med	210	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Med	220	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Med	230	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Med	240	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Med	250	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Med	260	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Med	270	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Med	280	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Med	290	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Med	300	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Med	310	402	50	33.6	26.5	926	/Dec	0	0	402

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-M_Med	320	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Med	330	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Med	340	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Med	350	402	50	33.6	26.5	926	/Dec	0	0	402
Fut_IGT-M_Low	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-M_Low	10	0	0	0	1.7	1311	/Dec	0	0	0
Fut_IGT-M_Low	20	0	1	0	4.1	1268	/Dec	0	0	0
Fut_IGT-M_Low	30	0	5	0	6.5	1231	/Dec	0	0	0
Fut_IGT-M_Low	40	13	12	14.6	8.7	1208	/Dec	0	0	13
Fut_IGT-M_Low	50	39	19	17.9	10.6	1191	/Dec	0	0	39
Fut_IGT-M_Low	60	65	24	20.1	12.2	1180	/Dec	0	0	65
Fut_IGT-M_Low	70	98	28	22	13.5	1173	/Dec	0	0	98
Fut_IGT-M_Low	80	128	32	23.5	14.7	1166	/Dec	0	0	128
Fut_IGT-M_Low	90	154	35	24.7	15.7	1161	/Dec	0	0	154
Fut_IGT-M_Low	100	175	37	25.6	16.5	1156	/Dec	0	0	175
Fut_IGT-M_Low	110	191	39	26.3	17.2	1150	/Dec	0	0	191
Fut_IGT-M_Low	120	206	40	26.8	17.9	1145	/Dec	0	0	206
Fut_IGT-M_Low	130	218	41	27.3	18.4	1138	/Dec	0	0	218
Fut_IGT-M_Low	140	230	42	27.7	18.9	1131	/Dec	0	0	230
Fut_IGT-M_Low	150	239	43	28.1	19.3	1125	/Dec	0	0	239
Fut_IGT-M_Low	160	248	43	28.4	19.7	1119	/Dec	0	0	248
Fut_IGT-M_Low	170	255	44	28.6	20	1113	/Dec	0	0	255
Fut_IGT-M_Low	180	262	44	28.9	20.3	1108	/Dec	0	0	262
Fut_IGT-M_Low	190	266	44	29.1	20.5	1098	/Dec	0	0	266
Fut_IGT-M_Low	200	270	44	29.3	20.8	1088	/Dec	0	0	270

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-M_Low	210	274	45	29.4	21	1080	/Dec	0	0	274
Fut_IGT-M_Low	220	277	45	29.6	21.1	1072	/Dec	0	0	277
Fut_IGT-M_Low	230	279	45	29.7	21.3	1065	/Dec	0	0	279
Fut_IGT-M_Low	240	282	45	29.8	21.5	1059	/Dec	0	0	282
Fut_IGT-M_Low	250	284	45	29.9	21.6	1053	/Dec	0	0	284
Fut_IGT-M_Low	260	286	45	30	21.7	1048	/Dec	0	0	286
Fut_IGT-M_Low	270	288	45	30.1	21.8	1043	/Dec	0	0	288
Fut_IGT-M_Low	280	289	45	30.2	21.9	1038	/Dec	0	0	289
Fut_IGT-M_Low	290	291	45	30.2	22	1034	/Dec	0	0	291
Fut_IGT-M_Low	300	291	45	30.2	22	1034	/Dec	0	0	291
Fut_IGT-M_Low	310	291	45	30.2	22	1034	/Dec	0	0	291
Fut_IGT-M_Low	320	291	45	30.2	22	1034	/Dec	0	0	291
Fut_IGT-M_Low	330	291	45	30.2	22	1034	/Dec	0	0	291
Fut_IGT-M_Low	340	291	45	30.2	22	1034	/Dec	0	0	291
Fut_IGT-M_Low	350	291	45	30.2	22	1034	/Dec	0	0	291
Fut_IGT-M_Poor	0	0	0	0	0	0	/Dec	0	0	0
Fut_IGT-M_Poor	10	0	0	0	1.1	1182	/Dec	0	0	0
Fut_IGT-M_Poor	20	0	0	0	1.9	1168	/Dec	0	0	0
Fut_IGT-M_Poor	30	0	0	0	2.8	1151	/Dec	0	0	0
Fut_IGT-M_Poor	40	0	1	0	3.9	1132	/Dec	0	0	0
Fut_IGT-M_Poor	50	0	2	0	5.2	1110	/Dec	0	0	0
Fut_IGT-M_Poor	60	0	4	0	6.2	1098	/Dec	0	0	0
Fut_IGT-M_Poor	70	1	6	12.6	7.1	1085	/Dec	0	0	1
Fut_IGT-M_Poor	80	3	8	13.5	8	1077	/Dec	0	0	3
Fut_IGT-M_Poor	90	12	11	15	8.8	1068	/Dec	0	0	12

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-M_Poor	100	21	13	16.2	9.5	1060	/Dec	0	0	21
Fut_IGT-M_Poor	110	30	16	17.5	10.2	1053	/Dec	0	0	30
Fut_IGT-M_Poor	120	39	18	18.4	10.8	1047	/Dec	0	0	39
Fut_IGT-M_Poor	130	47	19	19.2	11.3	1042	/Dec	0	0	47
Fut_IGT-M_Poor	140	55	21	19.9	11.8	1037	/Dec	0	0	55
Fut_IGT-M_Poor	150	63	22	20.5	12.3	1033	/Dec	0	0	63
Fut_IGT-M_Poor	160	71	23	21.1	12.7	1028	/Dec	0	0	71
Fut_IGT-M_Poor	170	80	24	21.7	13.1	1024	/Dec	0	0	80
Fut_IGT-M_Poor	180	88	25	22.2	13.4	1019	/Dec	0	0	88
Fut_IGT-M_Poor	190	95	26	22.6	13.7	1015	/Dec	0	0	95
Fut_IGT-M_Poor	200	101	27	23	14	1012	/Dec	0	0	101
Fut_IGT-M_Poor	210	107	28	23.4	14.3	1008	/Dec	0	0	107
Fut_IGT-M_Poor	220	113	29	23.8	14.5	1004	/Dec	0	0	113
Fut_IGT-M_Poor	230	118	29	24.1	14.8	1001	/Dec	0	0	118
Fut_IGT-M_Poor	240	123	30	24.3	15	995	/Dec	0	0	123
Fut_IGT-M_Poor	250	127	30	24.6	15.2	989	/Dec	0	0	127
Fut_IGT-M_Poor	260	132	30	24.8	15.4	984	/Dec	0	0	132
Fut_IGT-M_Poor	270	136	31	25	15.5	979	/Dec	0	0	136
Fut_IGT-M_Poor	280	139	31	25.2	15.7	974	/Dec	0	0	139
Fut_IGT-M_Poor	290	143	31	25.4	15.9	970	/Dec	0	0	143
Fut_IGT-M_Poor	300	143	31	25.4	15.9	970	/Dec	0	0	143
Fut_IGT-M_Poor	310	143	31	25.4	15.9	970	/Dec	0	0	143
Fut_IGT-M_Poor	320	143	31	25.4	15.9	970	/Dec	0	0	143
Fut_IGT-M_Poor	330	143	31	25.4	15.9	970	/Dec	0	0	143
Fut_IGT-M_Poor	340	143	31	25.4	15.9	970	/Dec	0	0	143

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-M_Poor	350	143	31	25.4	15.9	970	/Dec	0	0	143
Fut_IGT-N_High	0	0	0	0	0	0	/Dec	-9.91	0	0
Fut_IGT-N_High	10	0	0	0	2.2	1376	/Dec	-9.91	0	0
Fut_IGT-N_High	20	0	5	0	5.9	1315	/Dec	-9.91	0	0
Fut_IGT-N_High	30	22	16	15.7	9.3	1279	/Dec	-9.91	2.18	19.82
Fut_IGT-N_High	40	70	26	19.8	12.3	1259	/Dec	-9.91	6.937	63.063
Fut_IGT-N_High	50	132	34	23	14.7	1244	/Dec	-9.91	13.081	118.919
Fut_IGT-N_High	60	183	39	25.1	16.6	1228	/Dec	-9.91	18.135	164.865
Fut_IGT-N_High	70	221	42	26.5	18.2	1211	/Dec	-9.91	21.901	199.099
Fut_IGT-N_High	80	253	45	27.6	19.5	1191	/Dec	-9.91	25.072	227.928
Fut_IGT-N_High	90	280	47	28.5	20.6	1165	/Dec	-9.91	27.748	252.252
Fut_IGT-N_High	100	301	48	29.2	21.5	1136	/Dec	-9.91	29.829	271.171
Fut_IGT-N_High	110	319	49	29.8	22.2	1111	/Dec	-9.91	31.613	287.387
Fut_IGT-N_High	120	333	49	30.3	22.9	1078	/Dec	-9.91	33	300
Fut_IGT-N_High	130	345	49	30.8	23.4	1051	/Dec	-9.91	34.19	310.81
Fut_IGT-N_High	140	355	49	31.2	23.9	1028	/Dec	-9.91	35.181	319.819
Fut_IGT-N_High	150	364	50	31.5	24.3	1007	/Dec	-9.91	36.072	327.928
Fut_IGT-N_High	160	372	50	31.8	24.7	987	/Dec	-9.91	36.865	335.135
Fut_IGT-N_High	170	378	50	32.1	25	970	/Dec	-9.91	37.46	340.54
Fut_IGT-N_High	180	384	50	32.4	25.2	955	/Dec	-9.91	38.054	345.946
Fut_IGT-N_High	190	388	50	32.6	25.5	942	/Dec	-9.91	38.451	349.549
Fut_IGT-N_High	200	393	50	32.8	25.7	930	/Dec	-9.91	38.946	354.054
Fut_IGT-N_High	210	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_High	220	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_High	230	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-N_High	240	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_High	250	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_High	260	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_High	270	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_High	280	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_High	290	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_High	300	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_High	310	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_High	320	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_High	330	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_High	340	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_High	350	396	50	33	25.9	919	/Dec	-9.91	39.244	356.756
Fut_IGT-N_Med	0	0	0	0	0	0	/Dec	-10.7	0	0
Fut_IGT-N_Med	10	0	0	0	1.8	1346	/Dec	-10.7	0	0
Fut_IGT-N_Med	20	0	2	0	4.5	1298	/Dec	-10.7	0	0
Fut_IGT-N_Med	30	1	8	13.5	7.2	1258	/Dec	-10.7	0.107	0.893
Fut_IGT-N_Med	40	25	16	16.3	9.5	1236	/Dec	-10.7	2.678	22.322
Fut_IGT-N_Med	50	56	23	19.1	11.6	1221	/Dec	-10.7	5.998	50.002
Fut_IGT-N_Med	60	94	28	21.4	13.3	1211	/Dec	-10.7	10.067	83.933
Fut_IGT-N_Med	70	131	33	23.3	14.7	1202	/Dec	-10.7	14.03	116.97
Fut_IGT-N_Med	80	163	37	24.7	15.9	1195	/Dec	-10.7	17.457	145.543
Fut_IGT-N_Med	90	186	39	25.6	16.8	1185	/Dec	-10.7	19.921	166.079
Fut_IGT-N_Med	100	205	41	26.4	17.7	1177	/Dec	-10.7	21.956	183.044
Fut_IGT-N_Med	110	222	42	27	18.4	1168	/Dec	-10.7	23.776	198.224
Fut_IGT-N_Med	120	237	43	27.5	19	1159	/Dec	-10.7	25.383	211.617

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-N_Med	130	250	44	28	19.5	1151	/Dec	-10.7	26.775	223.225
Fut_IGT-N_Med	140	261	45	28.4	20	1144	/Dec	-10.7	27.953	233.047
Fut_IGT-N_Med	150	270	45	28.7	20.4	1132	/Dec	-10.7	28.917	241.083
Fut_IGT-N_Med	160	277	46	28.9	20.7	1120	/Dec	-10.7	29.667	247.333
Fut_IGT-N_Med	170	283	46	29.2	21	1110	/Dec	-10.7	30.309	252.691
Fut_IGT-N_Med	180	289	46	29.4	21.3	1100	/Dec	-10.7	30.952	258.048
Fut_IGT-N_Med	190	294	46	29.6	21.5	1092	/Dec	-10.7	31.487	262.513
Fut_IGT-N_Med	200	298	47	29.7	21.8	1084	/Dec	-10.7	31.916	266.084
Fut_IGT-N_Med	210	302	47	29.9	22	1078	/Dec	-10.7	32.344	269.656
Fut_IGT-N_Med	220	305	47	30	22.1	1069	/Dec	-10.7	32.666	272.334
Fut_IGT-N_Med	230	307	47	30.1	22.3	1057	/Dec	-10.7	32.88	274.12
Fut_IGT-N_Med	240	308	46	30.3	22.4	1045	/Dec	-10.7	32.987	275.013
Fut_IGT-N_Med	250	309	46	30.4	22.6	1035	/Dec	-10.7	33.094	275.906
Fut_IGT-N_Med	260	310	46	30.5	22.7	1025	/Dec	-10.7	33.201	276.799
Fut_IGT-N_Med	270	312	46	30.6	22.8	1016	/Dec	-10.7	33.415	278.585
Fut_IGT-N_Med	280	312	46	30.6	22.9	1008	/Dec	-10.7	33.415	278.585
Fut_IGT-N_Med	290	313	46	30.7	23	1001	/Dec	-10.7	33.522	279.478
Fut_IGT-N_Med	300	313	46	30.7	23	1001	/Dec	-10.7	33.522	279.478
Fut_IGT-N_Med	310	313	46	30.7	23	1001	/Dec	-10.7	33.522	279.478
Fut_IGT-N_Med	320	313	46	30.7	23	1001	/Dec	-10.7	33.522	279.478
Fut_IGT-N_Med	330	313	46	30.7	23	1001	/Dec	-10.7	33.522	279.478
Fut_IGT-N_Med	340	313	46	30.7	23	1001	/Dec	-10.7	33.522	279.478
Fut_IGT-N_Med	350	313	46	30.7	23	1001	/Dec	-10.7	33.522	279.478
Fut_IGT-N_Low	0	0	0	0	0	0	/Dec	-17.4	0	0
Fut_IGT-N_Low	10	0	0	0	1.4	1316	/Dec	-17.4	0	0

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-N_Low	20	0	0	0	3	1288	/Dec	-17.4	0	0
Fut_IGT-N_Low	30	0	2	0	5	1249	/Dec	-17.4	0	0
Fut_IGT-N_Low	40	1	6	0	6.8	1222	/Dec	-17.4	0.174	0.826
Fut_IGT-N_Low	50	9	11	14.3	8.4	1206	/Dec	-17.4	1.562	7.438
Fut_IGT-N_Low	60	27	16	16.7	9.7	1191	/Dec	-17.4	4.687	22.313
Fut_IGT-N_Low	70	44	20	18.4	10.9	1180	/Dec	-17.4	7.638	36.362
Fut_IGT-N_Low	80	60	23	19.8	12	1172	/Dec	-17.4	10.416	49.584
Fut_IGT-N_Low	90	81	26	21.1	12.9	1166	/Dec	-17.4	14.062	66.938
Fut_IGT-N_Low	100	100	28	22.2	13.7	1160	/Dec	-17.4	17.36	82.64
Fut_IGT-N_Low	110	116	30	23.1	14.4	1155	/Dec	-17.4	20.138	95.862
Fut_IGT-N_Low	120	131	32	23.8	14.9	1150	/Dec	-17.4	22.742	108.258
Fut_IGT-N_Low	130	144	34	24.4	15.5	1146	/Dec	-17.4	24.998	119.002
Fut_IGT-N_Low	140	156	35	25	15.9	1142	/Dec	-17.4	27.082	128.918
Fut_IGT-N_Low	150	165	36	25.4	16.4	1136	/Dec	-17.4	28.644	136.356
Fut_IGT-N_Low	160	172	36	25.7	16.7	1131	/Dec	-17.4	29.859	142.141
Fut_IGT-N_Low	170	179	37	26	17	1127	/Dec	-17.4	31.074	147.926
Fut_IGT-N_Low	180	185	37	26.2	17.3	1123	/Dec	-17.4	32.116	152.884
Fut_IGT-N_Low	190	190	38	26.5	17.6	1119	/Dec	-17.4	32.984	157.016
Fut_IGT-N_Low	200	195	38	26.7	17.9	1115	/Dec	-17.4	33.852	161.148
Fut_IGT-N_Low	210	199	39	26.9	18.1	1112	/Dec	-17.4	34.546	164.454
Fut_IGT-N_Low	220	203	39	27.1	18.3	1105	/Dec	-17.4	35.241	167.759
Fut_IGT-N_Low	230	206	39	27.2	18.5	1098	/Dec	-17.4	35.762	170.238
Fut_IGT-N_Low	240	209	39	27.4	18.6	1092	/Dec	-17.4	36.282	172.718
Fut_IGT-N_Low	250	211	39	27.5	18.8	1087	/Dec	-17.4	36.63	174.37
Fut_IGT-N_Low	260	214	39	27.6	18.9	1082	/Dec	-17.4	37.15	176.85

Analysis Unit Name	Stand Age	Merchantable Volume 12.5cm+ (m^3/ha)	Basal Area (m^2/ha)	Diameter (cm)	Height (m)	Density (stems/ha)	Adjustment Type	Deciduous Adjustment Percent	Total Adjustment Percent	Adjusted Merchantable Volume (m^3/ha)
Fut_IGT-N_Low	270	216	40	27.7	19.1	1077	/Dec	-17.4	37.498	178.502
Fut_IGT-N_Low	280	218	40	27.9	19.2	1072	/Dec	-17.4	37.845	180.155
Fut_IGT-N_Low	290	220	40	28	19.3	1068	/Dec	-17.4	38.192	181.808
Fut_IGT-N_Low	300	220	40	28	19.3	1068	/Dec	-17.4	38.192	181.808
Fut_IGT-N_Low	310	220	40	28	19.3	1068	/Dec	-17.4	38.192	181.808
Fut_IGT-N_Low	320	220	40	28	19.3	1068	/Dec	-17.4	38.192	181.808
Fut_IGT-N_Low	330	220	40	28	19.3	1068	/Dec	-17.4	38.192	181.808
Fut_IGT-N_Low	340	220	40	28	19.3	1068	/Dec	-17.4	38.192	181.808
Fut_IGT-N_Low	350	220	40	28	19.3	1068	/Dec	-17.4	38.192	181.808

Appendix 3 Accepted Timber Supply Analysis Report

Weyerhaeuser Company Limited
Tree Farm Licence 59

Timber Supply Analysis Report
Management Plan 2

Report date: September 21, 2017

Forsite Project: 519-12

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- Keith Boyes (Stewardship Forester) of the Ministry of Forests, Lands and Natural Resource Operations.
- Jim Brown (Senior Timber Supply Forester) of the Forest Analysis and Inventory Branch.
- Cheryl Delwisch (Timber Supply Forester) of the Forest Analysis and Inventory Branch.
- Mario Di Lucca (Growth & Yield Applications Specialist) reviewed the managed stand yield curve methodology and assumptions (TIPSY curves).
- Erin Palmer (Senior Advisor, First Nations Relations) of the Ministry of Forests, Lands and Natural Resource Operations.
- Wenli Xu (Forest Mensurantionist) of the Forest Analysis and Inventory Branch.

Forsite staff who contributed to this project include: Cam Brown, Shelley Desautels, Rob Kennett and Mark Perdue.

Executive Summary

This report documents the timber supply analysis for Management Plan 2 (MP2) for Tree Farm Licence 59 (TFL 59), held by the Weyerhaeuser Company Limited (Weyerhaeuser). The purpose of the review is to examine short- and long term timber availability associated with current forest management practices in the TFL. A review of this type is typically completed every 10 years in order to capture changes in data, practices, policy, or legislation influencing forest management in the TFL. The previous analysis (MP9 – TFL 15) was completed in 2004 with a final Annual Allowable Cut (AAC) determination on August 3, 2005. The current analysis process (MP2) is working toward a new AAC determination to be in place by April 1, 2018.

The current allowable annual cut (AAC) for the TFL is 66,000 m^3/yr and no partitions exist.

The TFL 59 MP2 Information Package, a document providing detailed technical information and assumptions regarding current forest management practices, policy and legislation for use in this analysis, was released in November 14, 2016 and the final version that was accepted by the FLNR on April 3, 2017. The release of this Analysis Report is the next step in the timber supply analysis process. Its purpose is to summarize the results of the timber supply analysis, provide a focus for public discussion, and provide British Columbia's Chief Forester with much of the information that is needed to make an informed AAC determination for the TFL.

This report focuses on a forest management scenario that reflects current management practices in the TFL (the "Base Case" scenario). Sensitivity analyses based on this scenario are used to assess how results might be affected by uncertainties in data or assumptions. Together these analyses form a foundation for discussions around the determination of an appropriate timber harvesting level.

TFL 59 covers an area of approximately 46,458 hectares and is situated in the Okanagan valley near the communities of Okanagan Falls, Oliver and Osoyoos. The area of the TFL considered available for timber production and harvesting under current management practices is called the timber harvesting land base (THLB). The THLB area determined for this analysis is 35,214 hectares (+4.5% from MP9).

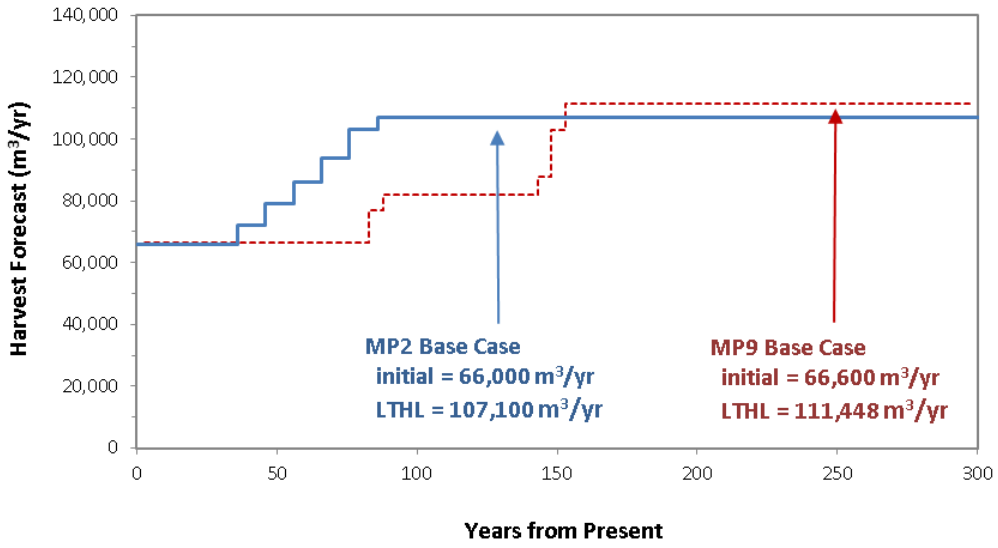
Since the last timber supply analysis for TFL 59, a number of changes affecting forest management have occurred. The major changes since MP9 are:

- Over 600 hectares of Wildlife Habitat Areas (WHA) for Williamson's Sapsucker, Tiger Salamander, White-headed Sapsucker, Lewis's Sapsucker, and Western Rattlesnake have been established in the TFL since 2004.
- The Williamson's Sapsucker Recovery Strategy classifies Critical Habitat for the Okanagan-Boundary Area of Occupancy. Based on habitat suitability modelling there are 7,698 ha of critical habitat within the TFL managed through stand-level retention requirements, with no-harvest buffers for known nest sites.
- Vaseux Creek, the largest watershed within the TFL has been designated as a Fisheries Sensitive Watershed. This designation provides additional fisheries protection through management focus on maintaining natural hydrologic conditions and water quality, quantity and timing of flows required by fish. Enhanced riparian reserve areas have also been spatially delineated throughout the Vaseux watershed.

Results of the preferred base case maintains the current AAC (66,000 m³/yr) for the first 35 years and then increases to 107,100 m³/yr in the long term. Harvest flow projections in the base case differ from the MP9 primarily because of:

- Slightly larger THLB (+4.5%).
- Higher mature stand yields (MP9 applied a 9% reduction to VDYP yields).
- Younger minimum harvest ages which allow managed stands to contribute sooner.

These are partially offset by higher levels of wildlife tree patch retention and higher levels of unsalvaged losses.



Sensitivity analyses revealed that the short term harvest level was highly stable, due in part to the flow strategy to maintain the current AAC in the short term. No sensitivities altered the short term harvest level other than the sensitivity of a 10% reduction in the THLB which had a corresponding decrease in short term harvest levels of 10%. In this case short term levels were reduced for comparative purposes.

Sensitivities that showed significant impacts to the long term harvest level were:

- Changes to the timber harvesting land base (-10%).
- Changes to managed stand yields (-11%).

Based on the results presented here, Weyerhaeuser requests to maintain the AAC at its current level of 66,000 m³/yr for the term of the MP2. This harvest level best addresses a range of issues present on the TFL including:

- The possibility that existing stand yields are overestimated by 9%.
- Stand merchantability threshold used for natural stands (120m³/ha) may be optimistic considering variations in terrain, piece size, species, and retention requirements.
- Pending protection measures including 514 ha of proposed Williamson's sapsucker wildlife habitat area.
- First Nations concerns related to block size, ungulate populations, cumulative impacts in watersheds, and impacts to areas of traditional use such as plant/berry picking.
- Timber losses from disturbances such as climate change, fire and pests may exceed those assumed in the analysis work.

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1. Introduction / Background

Timber supply is the amount of timber available for harvest over time. Assessing timber supply involves consideration of a wide range of physical, biological, social, and economic factors that can influence the acceptable rate of timber harvesting within a management unit. These factors encompass both the timber and non-timber values found in our forests and ensure that timber harvesting objectives are balanced against social and ecological values such as wildlife, biodiversity, watershed health, recreational opportunities, etc.

The general objective of the analysis process is to examine the short and long term effects of current forest management practices on the availability of timber for harvesting in the TFL. A review of the projected timber supply is typically completed once every ten years in order to capture changes in data, practices, policy, or legislation influencing forest management in the TFL. This document contains a timber supply analysis specific to Tree Farm License 59 (TFL 59) and is an important part of the provincial Management Plan (MP) process for TFL's.

This TFL area was previously known as TFL 15 until July 14th, 2006 when it was consolidated with TFL 35 located north of Kamloops, but then became TFL 59 on April 1, 2008 when the area was separated from TFL 35. The previous analysis (MP9 for TFL 15) was completed in 2004 with a final Annual Allowable Cut (AAC) determination on August 3, 2005. The current analysis process (MP2) is working toward a new AAC determination to be in place by April 1, 2018.

The TFL 59 MP2 Information Package, a document providing detailed technical information and assumptions regarding current forest management practices, policy and legislation for use in this analysis, was released in March 2017[1] and the final version was accepted by FLNR on April 3, 2017. The release of this Analysis Report is the next step in the timber supply analysis process. Its purpose is to summarize the results of the timber supply analysis, provide a focus for public discussion, and provide British Columbia's Chief Forester with much of the information that is needed to make an informed AAC determination. This report does not define a new AAC – it is intended only to provide insight into the likely future timber supply of TFL 59 and recommend a future course of action to the Chief Forester. The final harvest level will be determined by the Chief Forester and published along with her rationale in an AAC Determination document.

This report focuses on a forest management scenario that reflects current management practices in TFL 59. This "Base Case Option" then becomes the basis for sensitivity analyses that assessed how results might be affected by uncertainties in data or assumptions. Together these analyses form a solid foundation for discussions with the government and stakeholders in the determination of an appropriate timber harvesting level.

[1] The Tree Farm License 59 Information Package was released in November 14, 2016 and was used to solicit public and First Nations review and comment. Version 2.0 was submitted to government for acceptance on March 9, 2017 and accepted by government staff on April 3, 2017.

2. Description of Tree Farm License 59

TFL 59 is located at the southern end of the Okanagan valley near the communities of Okanagan Falls, Oliver and Osoyoos (Figure 1). TFL 59 is within the traditional territories of the Okanagan Nation; Osoyoos Indian Band's main reserve is adjacent to the TFL and Penticton Indian Band is proximal. Nlaka'pamux Nation also has interests in the eastern portion of this area.

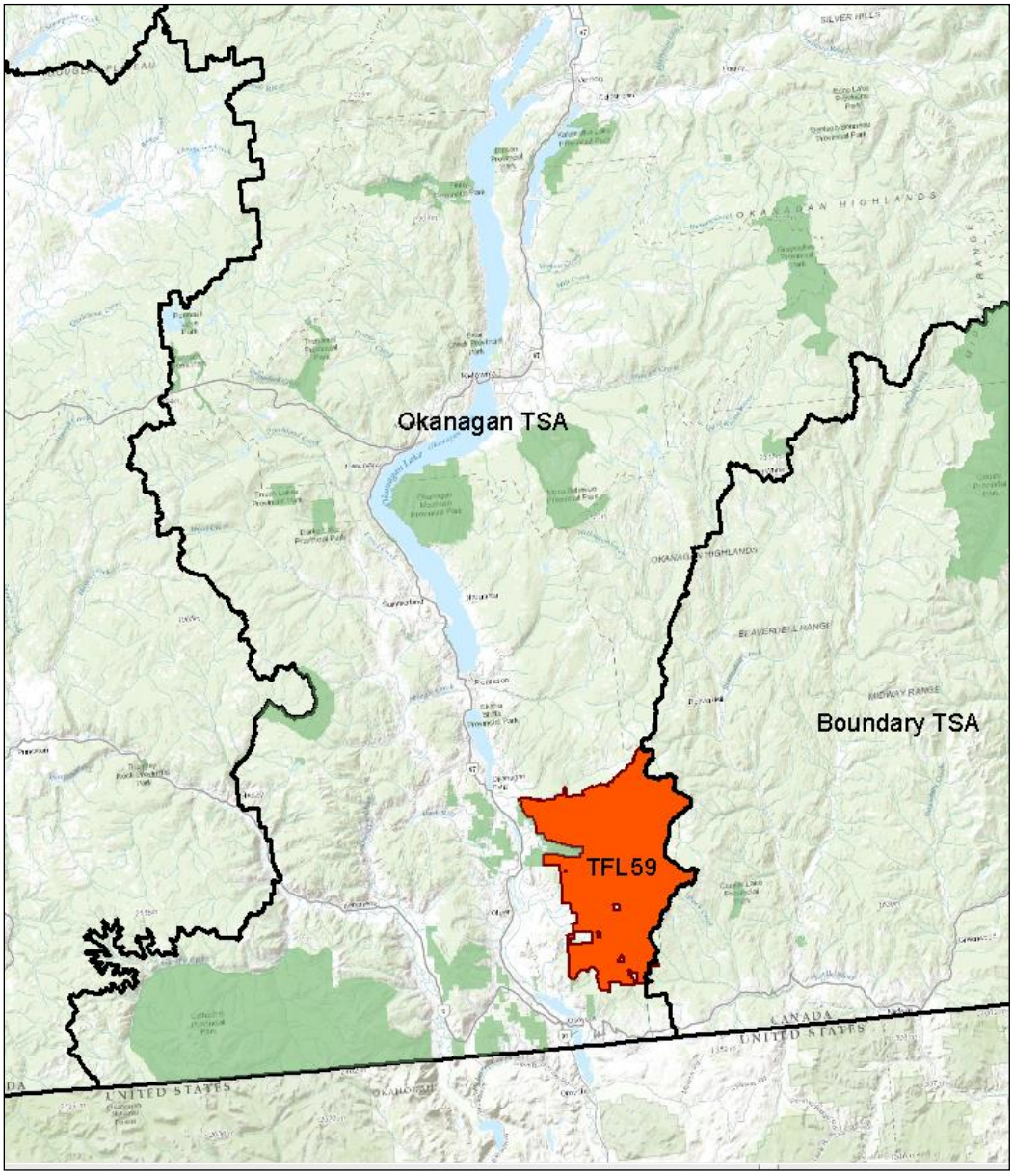


Figure 1. Location of Weyerhaeuser's Tree Farm Licence 59

The total land base of the TFL is 46,458 hectares, ranging in elevation from 500 m to 2,200 m ASL. There are seven biogeoclimatic subzone variants in the TFL; Bunchgrass (BGxh1), Ponderosa Pine (PPxh1), Interior Douglas-fir (IDFxh1, IDFdm1), Montane Spruce (MSdm1), and Engelmann Spruce Subalpine Fir (ESSFdc1, ESSFdcp).

A large portion of the TFL is forested and suitable for timber harvesting although situated in an area of the province where management must accommodate a broad range of resource values. Most areas not inherently suitable for harvesting have low productivity and/or are on very dry sites.

The area supports recreation use including: hunting, fishing, bird watching, motor biking, mountain biking, and camping. Much of the TFL is also visually sensitive from highways and local communities.

Wildlife use in the TFL is extensive and special wildlife management guidelines are in place for several species. Wildlife species with specific management concerns include: mule deer, Williamson's sapsucker, mountain goat, big horn sheep, elk and moose. Other identified wildlife species (Examples: Tiger Salamander, Spadefoot Toad) are managed for as per the approved Forest Stewardship Plan.

2.1 The Environment

The TFL contains the following biogeoclimatic zones: Engelmann Spruce-Subalpine Fir (ESSF), Interior Douglas Fir (IDF), Montane Spruce (MS), and Ponderosa Pine Bunchgrass (PPBG). See Figure 2 for a full area breakdown of zones and associated natural disturbance types.

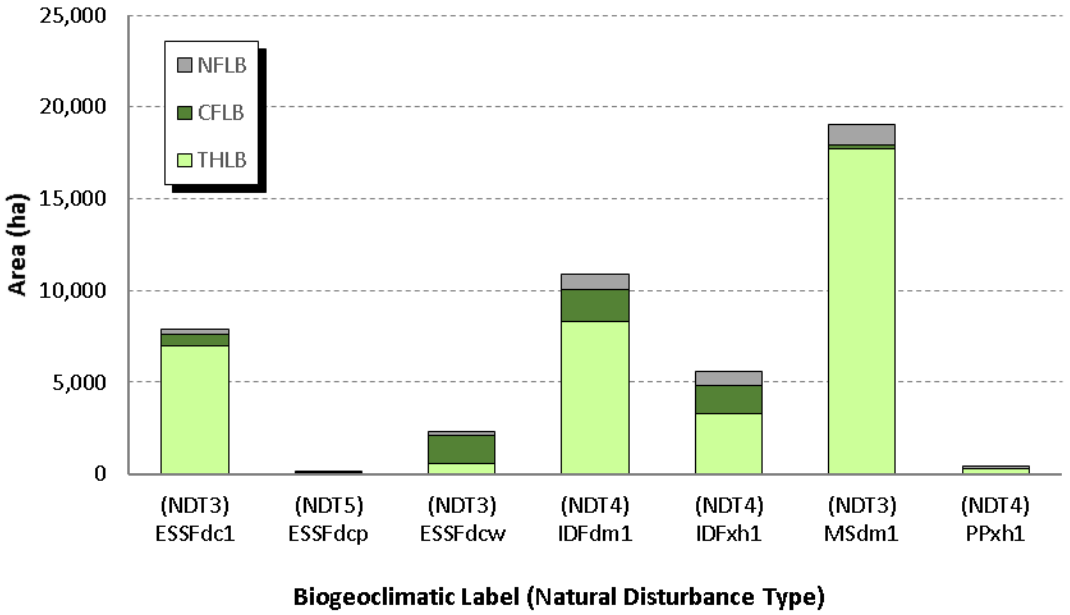


Figure 2. Biogeoclimatic variant and Natural Disturbance Type by land classification

2.2 Integrated Resource Management Considerations

Integrated resource management is a basic premise for the practice of forestry in TFL 59. Timber harvesting is planned and managed in such a way that allows a wide range of other values to co-exist on the land base. The manner in which each value is considered is dictated by federal or provincial legislation or BC government policy and described by Weyerhaeuser's Forest Stewardship Plans. Examples of these are the federal Fisheries Act, the Forest and Range Practices Act plus associated Orders and Regulations, and the Okanagan – Shuswap Land and Resource Management Plan.

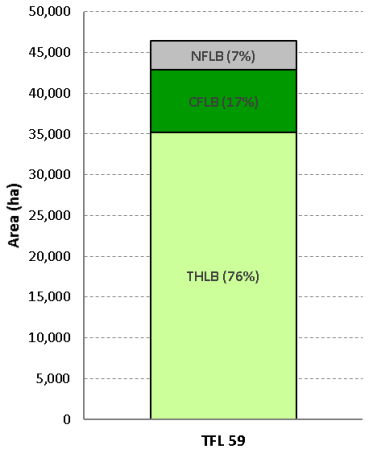
These documents address the legislated requirements for a wide range of non-timber issues. The most significant issues influencing forest management in TFL 59 are:

- Williamson's sapsucker habitat
- Mule deer winter range
- Elk congregation areas
- Sensitive wildlife habitat
- Riparian / fish habitat
- Fisheries sensitive watershed areas
- Visually sensitive landscapes

The areas affected by each of these non-timber resource values and the specific forest management practices required to address them are discussed in Section 3.3.

2.3 Current Attributes of TFL 59

This section of the document describes the current state of the TFL and provides descriptions and statistics useful for understanding the timber supply analyses presented later in the document. The Timber Harvesting Land Base (THLB), Crown Forest Land Base (CFLB) and Non Contributing Forest Land Base (NFLB) are referenced in this section and defined in detail in Section 3. A coarse map illustrating the locations of CFLB and THLB in the TFL is shown in Figure 4.



Approximately 93% of the total area of the TFL is considered productive forest land. The remaining 7% is considered non-productive (i.e. rock, ice, alpine, etc.). Within the TFL's productive land base, 82% (76% of the total TFL area) is considered available for timber harvesting (see Section 3 for details).

Figure 3. TFL Land Base Breakdown

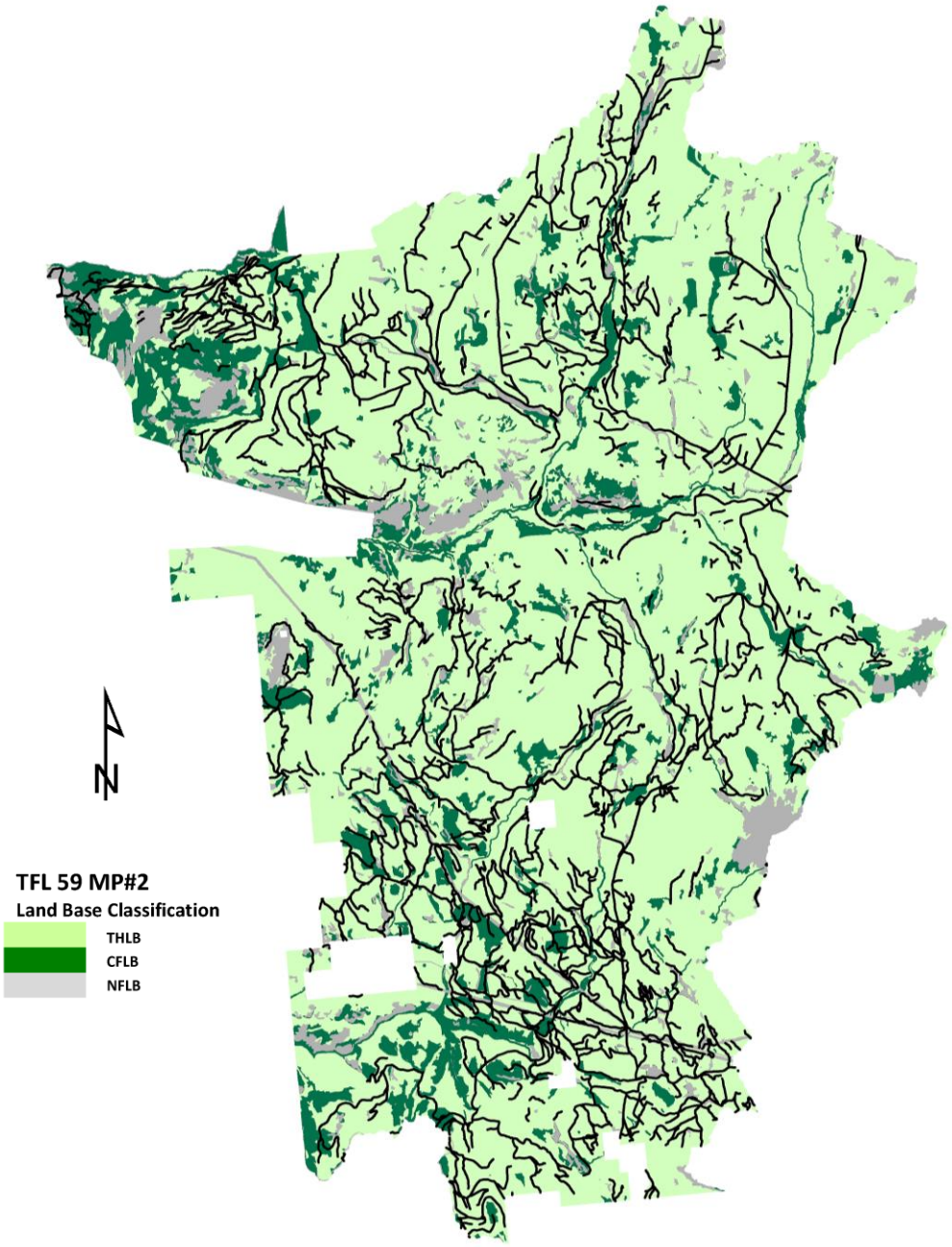


Figure 4. TFL 59 Land Base Classification Map

The forests of the TFL are dominated by lodgepole pine, Douglas-fir, larch and spruce. Other species that occur less commonly include ponderosa pine, sub-alpine fir, and deciduous. An overview of the area by leading species for TFL 59 in 2016 is provided in Figure 5.

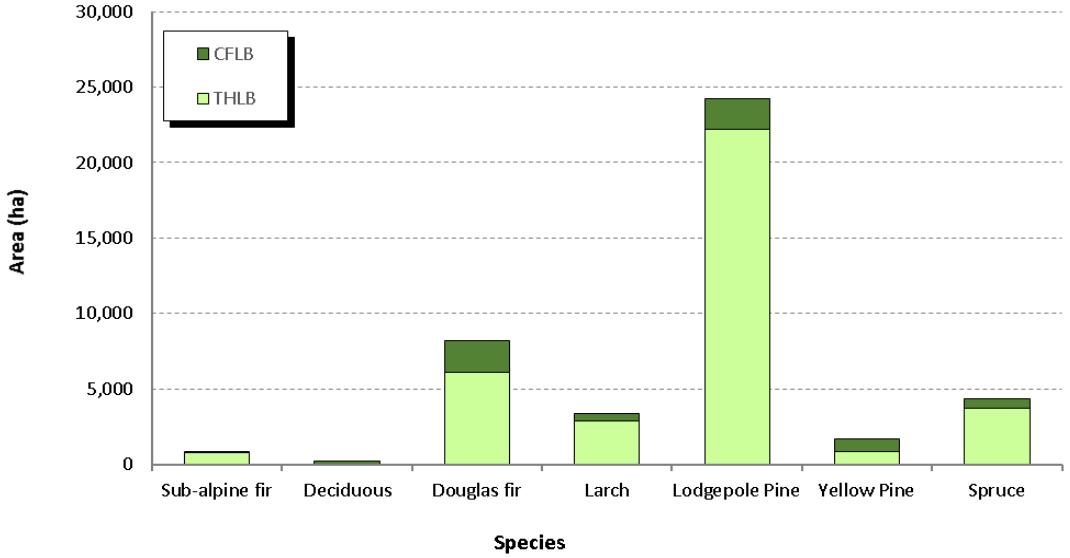


Figure 5. TFL 59 current area by leading species

The age class structure over the entire productive land base is shown in Figure 6. Area is distributed across a wide range of age classes. Age-class 0 includes stands classified as not sufficiently restocked (NSR) in the forest inventory.

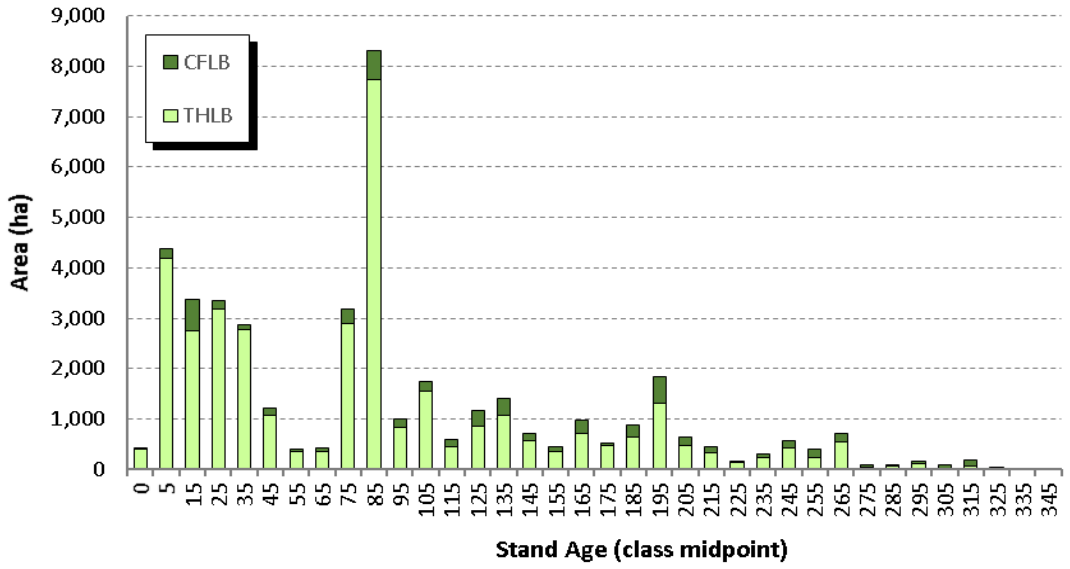


Figure 6. TFL 59 age class distribution in 2016

Site index is an empirical expression of site productivity. Site index values express the expected height of a stand at a standardized age (50 years) and are specific to each species. The site index distribution at the start of the timber supply forecast is provided in Figure 7 and includes VRI site index values for naturally regenerated stands and the provincial site productivity data for previously harvested stands.

Overall, the current weighted average inventory site index on the THLB is 15.1m.

Site index values for mature and naturally regenerated immature stands are based on the VRI site index values, as these stands are converted to managed stands their site index values will be based on the Provincial site productivity layer (PSPL). Typically site index values from the PSPL for managed stands are higher than the VRI site index values. When the entire THLB is managed the overall site index will increase by 2.9m to an average of 18.0m.

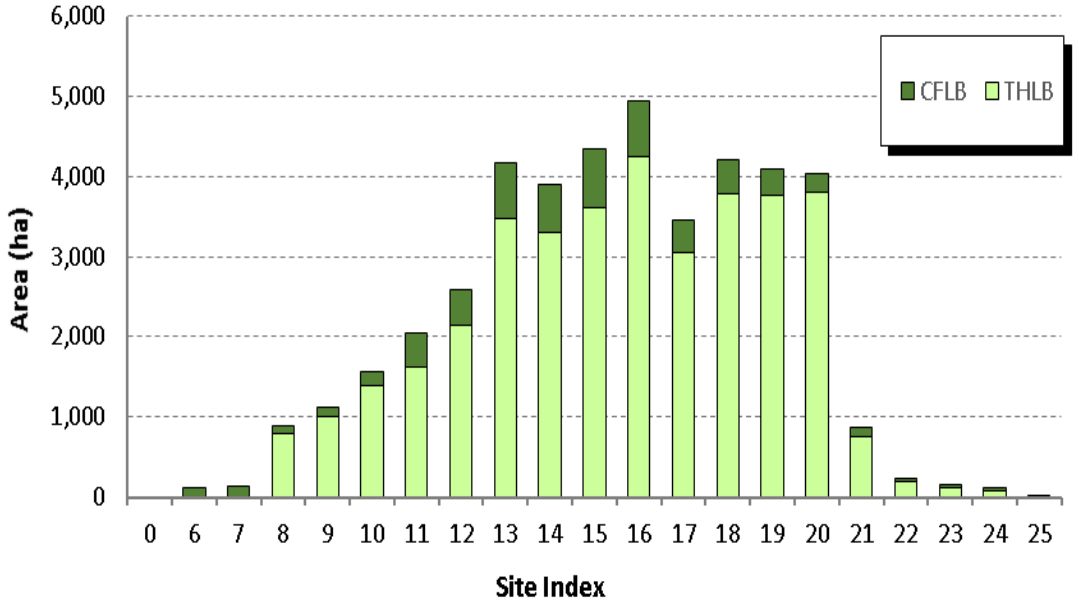


Figure 7. TFL 59 site index distribution for managed stands (Provincial Site Productivity Layer)

3. Timber Supply Analysis Methods

A large amount of information is required to complete a timber supply analysis. Information must be obtained in four broad categories: land base, forest inventory, management practices, and forest dynamics. This information is then translated into a model formulation that can explore sustainable rates of harvest in the context of integrated resource management. This section provides a brief summary of the data inputs, assumptions, and modeling procedures fully described in Appendix 2.

3.1 Land Base Definition

The Contributing Forest Land Base (CFLB) is the subset of the TFL that is considered forested and able to contribute toward non-timber values such as biodiversity. The CFLB excludes non-crown land, woodlots, non-forest and non-productive areas. It also generally excludes federal crown lands such as First Nation Reserves. TFL 59 is composed almost entirely of Schedule B land (provincial land in TFL) but also contains a small amount of Schedule A private land covering 56 ha.

The Timber Harvesting Land Base (THLB) is the subset of the TFL where timber harvesting is anticipated to occur now or in the future. The timber harvesting land base excludes areas that are inoperable or uneconomic for timber harvesting, or are otherwise reserved for non-timber values. The THLB is contained entirely within the CFLB. Table 1 summarizes the land base for TFL 59.

Figure 8. TFL 59 Schedule A private land

3.2 Forest Cover Inventory

The current forest inventory for TFL 59 is based on a Phase I Vegetation Resource Inventory (VRI) forest cover typing completed in 1997, and a Phase II field sampling program completed in 2000 and 2002. The Phase II field samples were used to estimate the net merchantable timber volume. Although the Phase II sampling followed standard procedures the work did not achieve the target accuracy with a sampling error of 18%, this is 8% higher than the sample plan targeted and 3% higher than typically accepted.

Sampling error is the difference between the actual volume and the estimate of volume derived from field samples. Typically field sampling strives to achieve a 15% sampling error which is determined by the variability of the attribute being sampled and the number of samples. A high variation in timber volume requires more samples to achieve the desired sampling error. The TFL 59 Phase II sample plan was designed to achieve a 10% sampling error, however this target was not achieved because of the highly variable stand conditions present on the TFL.

As part of Management Plan #9 it was further determined that the Phase II sampling underestimated the volumes of young stands, and overestimated the volumes of mature pine stands. As part of the

previous analysis the volumes projections for mature stands were reduced by 9%. This adjustment encompasses a 5% volume adjustment and an estimated 4% Net Volume Adjustment Factor (NVAF).

In preparing for this analysis Weyerhaeuser and government staff agreed that a statistical adjustment of the VRI and associated yield curves would not be appropriate for the Base Case analysis, and that uncertainties related to the estimate of mature pine volume should be investigated as part of a sensitivity analysis where natural stand yields are reduced by 10%.

Table 1. Timber harvesting land base area netdown summary

Factor	Schedule B Lands		Schedule A Lands		Combined A & B Lands			
	Total Area (ha)	Effective Area (ha)*	Total Area (ha)	Effective Area (ha)*	Total Area (ha)	Effective Area (ha)*	% of TFL	% of Crown Forest
Total TFL Area	46,402.2		56.1			46,458.3	**100.0%**	
Less:								
Utilities	200.0	200.0	0.0	56.1	200.0	200.0	0.4%	
Non-forest / Non-productive forest	2,841.8	2,672.1	2.8	0.0	2,844.6	2,674.9	5.8%	
Existing roads, trails and landings	648.5	602.7	1.2	2.8	649.7	603.8	1.3%	
Total Crown Forested Land Base (CFLB)						**42,979.6**	**92.5%**	**100.0%**
Less:	In CFLB:							%
Low Productivity Forest	1,132.9	529.5	0.0	0.0	1,132.9	529.5	1.1%	1.2%
Problem Forest Types	283.8	183.8	0.0	0.0	283.8	183.8	0.4%	0.4%
Marginally Dry Sites	2,536.5	1,771.7	0.0	0.0	2,536.5	1,771.7	3.8%	4.1%
Terrain Class V and U	933.7	512.7	0.0	0.0	933.7	512.7	1.1%	1.2%
Riparian Reserve Zones	876.1	482.9	4.7	3.9	880.8	486.8	1.0%	1.1%
Enhanced Riparian Reserve	330.1	270.9	0.0	0.0	330.1	270.9	0.6%	0.6%
Wildlife Habitat Area	623.3	427.6	0.0	0.0	623.3	427.6	0.9%	1.0%
Williamson's Sapsucker Nest Site	25.9	21.1	0.0	0.0	25.9	21.1	0.0%	0.0%
Old Growth Management Areas	2,128.1	1,622.1	0.0	0.0	2,128.1	1,622.1	3.5%	3.8%
Research Installations	1.8	1.3	0.0	0.0	1.8	1.3	0.0%	0.0%
Archaeological Sites	0.4	0.3	0.0	0.0	0.4	0.3	0.0%	0.0%
Riparian Management Areas	784.2	294.0	0.0	0.0	784.2	294.0	0.6%	0.7%
Existing Landings and Structures		169.5	1.8	0.0		169.5	0.4%	0.4%
Timber Harvesting Land Base (THLB)						**36,688.4**	**79.0%**	**85.4%**
Less Other Removals:								
Future Roads, Trails, and Landings		399.7		0.7		400.4	0.9%	0.9%
Wildlife Tree Patches		1,472.4		1.9		1,474.3	3.2%	3.4%
Effective Long term THLB						**36,287.9**	**78.1%**	**84.4%**

* Effective netdown area represents the area that was actually removed as a result of a given factor. Removals are applied in the order shown above, thus areas removed lower on the list do not contain areas that overlap with factors that occur higher on the list. For example, the unstable terrain netdown only removes area from the crown, operable forested land base.

3.3 Management Practices

Management practice assumptions can be grouped into three broad categories: Integrated Resource Management, Silviculture, and Harvesting.

Integrated Resource Management

Forest cover requirements are applied within the timber supply model to recognize timber and non-timber resource objectives. These requirements maintain appropriate levels of specific forest types needed to satisfy the objectives for wildlife habitat, biological diversity, etc. Forest cover requirements are used by the model to limit harvesting within the THLB.

The type of objectives modeled and the size of the land base affected by each objective are summarized in Figure 9 and Table 2. The areas reported in Table 2cannot be summed because some management areas overlap, for example the Vaseux fisheries sensitive watershed contains 5,051 ha of big horn sheep habitat, in Table 2 this area is included in the area reported for Fisheries sensitive watershed, as well as the area of big horn sheep habitat. Details on the net THLB impact are provided in the TFL 59 Information Package.

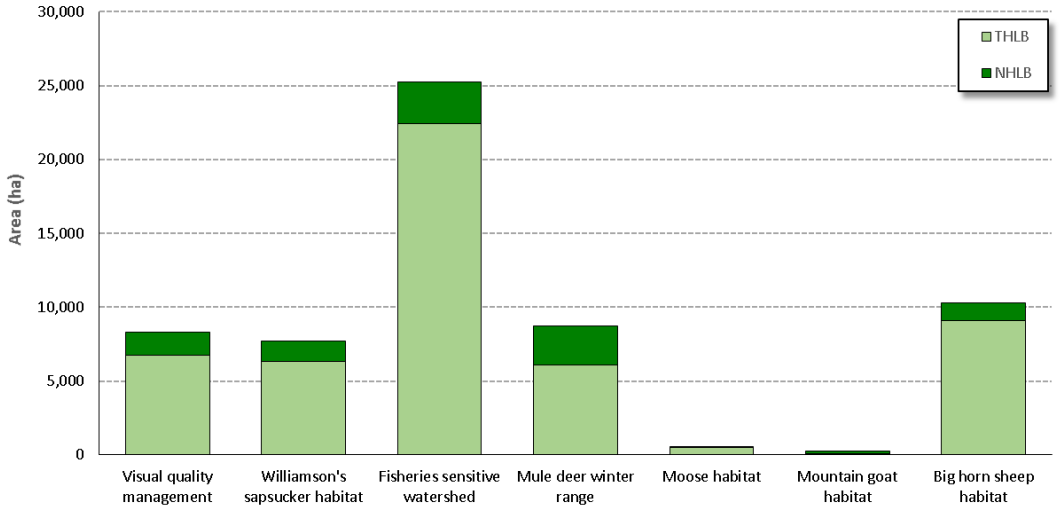


Figure 9. Integrated Resource Values: Operable Area Summary by Land Base Type

Table 2. Integrated Resource Values: Area Summary by Land Base Type

Value	CFLB (ha)	THLB (ha)	% of Total CFLB	% of total THLB
Visual quality management	8,313.3	6,485.4	19%	18%
Williamson's sapsucker habitat	7,698.0	6,325.0	18%	17%
Fisheries sensitive watershed	25,258.4	22,409.7	59%	61%
Mule deer winter range	8,743.9	6,068.8	20%	17%
Moose habitat	584.3	474.7	1%	1%
Mountain goat habitat	288.0	105.9	1%	0%
Big horn sheep habitat	10,318.7	9,085.9	24%	25%

Note: These areas cannot be summed to determine the total area affected because of overlapping areas.

Silviculture

Historical and current silvicultural practices in the TFL have been included in the model. These include:

1. Silvicultural systems (Appendix 2 – Section 6.3)
2. Regeneration assumptions such as establishment method, species distribution, and establishment density (Appendix 2 – Section 6.4)
3. Regeneration delay (time between harvesting and when the site becomes stocked with crop trees) [Appendix 2 – Section 6.4], and
4. Use of select seed (Appendix 2 – Section 6.4.2).

Timber Harvesting

Assumptions around timber harvesting practices have also been included in the model and include:

- Minimum harvest ages that ensure a viable log is produced and long term volume production is not compromised. (Appendix 2 – Section 8.1)
- Minimum economic criteria for log size and stand volumes (Appendix 2 – Section 8.1).
- Land base definition criteria (unstable slopes, inoperable areas, low sites, etc.). These assumptions are outlined in detail in Appendix 2 - Section 4.1.

3.4 Forest Dynamics

Forest dynamics refers to the changing state of the forest through time. Changes occur as the forest ages, or when natural or human caused disturbances occur. The way in which the model addresses these issues is described below.

Growth and Yield

Timber growth and yield refers to the prediction of the growth and development of forest stands over time, and of particular interest, the volume and size of trees that would occur at the time of harvest. For modeling purposes, stands of similar characteristics, growth rates, and management are grouped together into Analysis Units (AU's). Analysis Units are described in Appendix 2 – Section 5.0.

Each analysis unit is associated with its own yield curve, which is a prediction of the gross and net volume per hectare at various stand ages. Minimum harvest ages are determined by comparing the yield curves to merchantability criteria. For naturally regenerated stands minimum harvest age was based on the earliest age at which a minimum volume of 120 m^3/ha and a minimum piece size of 0.11 m^3/stem. For managed stands minimum harvest age was based on the earliest age at which 95% of the maximum mean annual increment was achieved. Each stand must meet the minimum age criteria to be eligible for harvest.

Two growth and yield models were used to estimate the yield curves used in the TFL 59 analysis. The Variable Density Yield Prediction (BatchVDYP 7) model, supported by the Forest Analysis and Inventory Branch, was used for estimating timber volumes for all existing natural stands. The Table Interpolation Program for Stand Yields (BatchTIPSY 4.3), developed by the Forest Analysis and Inventory Branch was used to estimate timber volumes for both existing and future managed

stands. Existing managed stands are those that are currently under 38 years of age (established after 1980). Future managed stands are stands that will regenerate after they are harvested by the model during the planning horizon.

Based on timber volume estimates, the current timber inventory or growing stock on the timber harvesting land base is approximately 4.1 million cubic meters. Approximately 92% of this growing stock is currently merchantable (i.e. in stands older than minimum harvest age). Stands that meet the merchantability criteria must also meet all other resource and management criteria (for example not within a riparian reserve or nesting habitat) to be eligible for harvest.

Disturbances

Unsalvaged timber losses due to natural causes, such as epidemic losses to insects and disease, and losses to fire and blowdown, were incorporated the timber supply analysis as a volume reduction applied to the projected timber supply forecast. A volume reduction of 3,120 m3/year or 4.7% of the current AAC was applied to account for unsalvageable timber losses. Details on this volume reduction are included in Appendix 2 – Section 8.5.

3.5 Timber Supply Analysis Methods

The Forest Planning Studio (FPS) modelling software was used for forecasting and analysis. This model has been used for assessing the timber supply analysis for several TSA and TFL management units.

FPS is a spatially-explicit forest estate simulation model developed by Dr. John Nelson at the University of British Columbia. All events in the model are directly linked to stand level polygons or harvest units and thus allow tracking of individual stand attributes and spatial relationships through time. Each polygon belongs to a specific stand group (analysis unit) and has attributes such as age, harvest system, and land base status (THLB or Non-THLB). Results are typically aggregated for reporting at higher levels, such as the harvest flow for the entire unit.

A wide range of constraints can be modelled on the land base: harvest exclusion, spatial adjacency or maximum cut-block size, maximum disturbance/young seral, minimum mature/old seral, and equivalent clear-cut area limits. Constraints are applied to groups of polygons (cliques) and harvest is restricted if a constraint is not satisfied. A single polygon can belong to many overlapping cliques and each of them must be satisfied in order to allow harvest of the polygon. Where a mature or old cover constraint is not met, harvesting may still occur if there are any eligible stands remaining after the oldest stands are reserved to meet the constraint.

Harvest is implemented using a set of priorities to queue stands for harvest. In each period, the model harvests the highest priority eligible stands until it reaches the harvest target or exhausts the list of opportunities. Harvest periods can be set at single years, multiple year periods or a combination of these. Where periods are used, (as in the 10-year periods in this analysis) the midpoint of the period is used as the point where harvest opportunity is evaluated because it is a good balance between the start of the period (pessimistic) and the end of the period (optimistic).

Modelling was completed for a minimum of 300 years for each scenario to confirm that the harvest and growing stock levels remain stable. The results presented here do not define a new AAC – they are intended only to provide insight into the likely future timber supply for the TFL. Any final harvest level decision will be made by a statutory/delegated decision maker.

3.6 Major Changes from Previous Timber Supply Review (MP9)

Changes have occurred in both the input data and management assumptions since the last timber supply analysis for the TFL (MP9 for TFL15). The major changes or differences from the last analysis are:

- VDYP Inventory Adjustment. MP9 applied a 9% downward adjustment to the VDYP yield projections for mature stands. The current analysis is based on the same VRI, however no adjustments (other than to exclude deciduous volume) have been made to the VDYP projections due to the large sampling error associated with this work.
- Use of the Provincial Site Productivity. MP 9 used a Site Index Adjustment project completed by J.S. Thrower and Associates to provide site productivity values for managed stands. The Provincial Site Productivity approach used in this MP applies to more species but the adjustments are typically not as large.
- Minimum Harvest Age Criteria. MP9 applied minimum harvest volume criteria based on species composition and ecological classification. The current analysis defines minimum harvest age based on minimum stand volume, minimum piece size, and maximum mean annual increment criteria.
- Future Roads and Landings. MP9 applied a 1.38% reduction to future yield curves to account for future landings. Since the last management plan, logging operations have switched to roadside harvesting resulting in landings not being used. Thus, in the current analysis there is no reduction for future landings.
- Wildlife Tree Patch Retention. MP9 applied 0.46% WTP retention, this analysis applies a 4% WTP retention which reflects the actual WTP retention within the THLB over the last 10 year period.
- Problem Forest Types/Low Productivity Sites. The current analysis determined there is a combined area of 1,417 ha of problem forest types and low productivity forests. This is 1,607 ha less than the previous analysis (3,024 ha). The change in area is due to a revision in the definitions of these two classifications. Details of these changes are provided in sections 4.1.6 and 4.1.7 of the information package.

When compared to the THLB from MP9 (34,719 ha), the new effective THLB (36,288) is larger by 1,569 ha (4.5%). This difference is largely due to the classifications of low productivity sites, deciduous and problem forest types. See Information Package (Appendix 2) for details.

4. Base Case Analysis

The base case scenario presented in this report is based on the best information currently available and reflects current management practices in the TFL. The current allowable annual cut (AAC) for TFL 59 is 66,000 m³/yr (effective August 3, 2005). Non-recoverable losses in the THLB are estimated to be 3,120 m³/yr and have, except where noted, been subtracted from the graphs, tables, and harvest forecasts in this report.

4.1 Alternative Harvest Flow Scenarios

Numerous alternative harvest forecasts are possible for a given set of modeling assumptions (i.e. the base case defined in Section 3). These alternative flows represent trade-offs between short, mid, and long term harvest level objectives. Figure 10 shows two potential harvest flows for the TFL base case, as well as the harvest flow from the previous timber supply review (MP9).

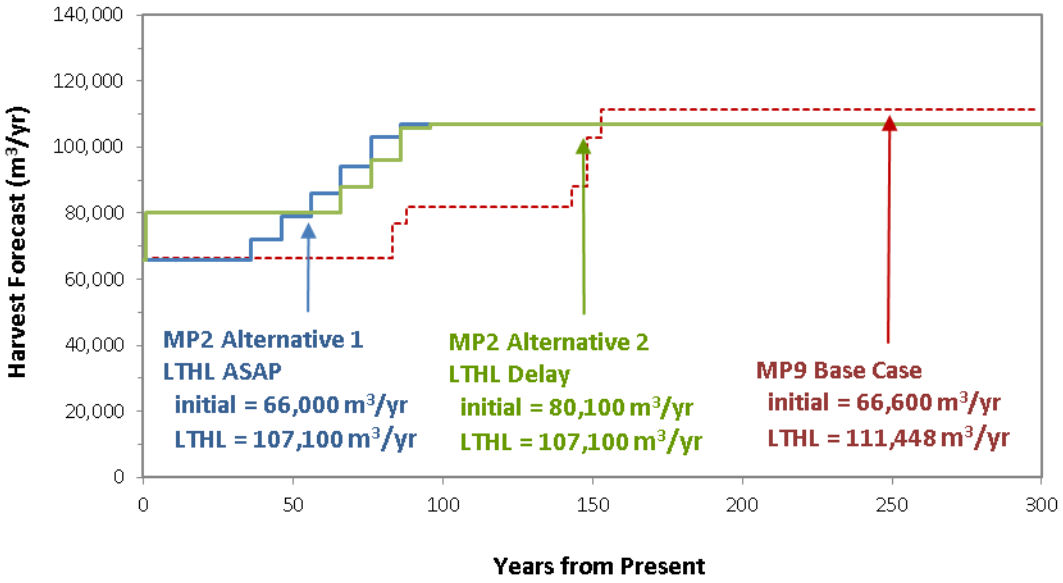


Figure 10. Alternative base case harvest forecasts for TFL 59

Alternative 1 (MP2 –LTHL ASAP) maintains the current AAC (66,000 m³/yr) for 45 years before increasing to the long term harvest level of 107,100 m³/yr (62 % increase) over the following 50 years. This harvest level is maintained throughout the remainder of the planning horizon. Maintaining the current AAC in the short term allows growing stock to accumulate and an earlier transition to the long term harvest level.

Alternative 2 (MP2 – LTHL Delay) increases harvest levels to 80,100 m³/yr immediately (21 % increase), maintaining this level for the next 70 years before rising the long term harvest level of 107,100 m³/yr. This harvest level is maintained throughout the remainder of the planning horizon. The short term harvest level of 80,100 m³/yr represents the maximum harvest possible without causing timber supply shortfalls in the future. Immediately increasing short term timber supply to 80,100 m³/yr delays the transition to the long term harvest level.

See page 20 for a discussion on differences from MP9 results.

4.2 Selected Base Case Harvest Flow

The base case alternative flow starting at the current AAC (alternative 1) is preferred by Weyerhaeuser because the starting harvest level better addresses a range of issues present on the TFL while minimizing risks to future sustainability if base case assumptions prove to be optimistic. The factors that lead to the selection of this base case are:

- It is possible that existing stand yields are overestimated. VRI Phase 2 sampling indicated that natural stand volumes may be overestimated by 9%, but a large sampling error meant it was not included in the base case.
- The stand merchantability threshold used for natural stands ($120m^3$/ha) may prove slightly optimistic on average as it does not consider variations associated with terrain, piece size, species, retention levels, etc.
- There are pending protection measures (514 ha of proposed Williamson's sapsucker wildlife habitat areas) for species at risk that may reduce available timber in the TFL.
- First Nations have expressed concerns related to current management on the TFL (block size, ungulate populations, cumulative impacts in watersheds, and impacts to areas of traditional use such as plant/berry picking). Maintaining the current AAC provides better flexibility to vary the size, location, and distribution of harvesting necessary to address these concerns.
- Losses from climate change (fire/pests) may exceed those assumed in the analysis work.

The harvest and forest level attributes presented in this section correspond with this base case harvest forecast. The sensitivity analyses that follow are all compared to this base case harvest forecast.

4.3 Base Case Attributes

In order to understand and evaluate the base case harvest forecast, this section describes the attributes of stands being harvested and the overall state of the forest throughout the planning horizon. Numerous forest management assumptions have been modeled in the base case, many of which impact the condition of the forest through time. Using the information presented in this section, it is possible to validate these assumptions and review their impact on the overall composition of the forest.

Growing Stock

The total volume currently on the timber harvesting land base is approximately 4.1 million cubic meters (Figure 11). By comparison, the MP9 base case (2004) showed an operable growing stock (total volume within THLB) of 3.0 million cubic metres. These values are difficult to compare because of ongoing harvest activities, new forest growth, and changes to the land base definition. Nevertheless, the difference in growing stock is important as it underlays why the timber supply projections of MP2 and MP9 are different in the short to mid term.

Growing stock increases throughout the first 95 years and remains relatively constant at approximately 5.4 million cubic metres throughout the remainder of the planning horizon.

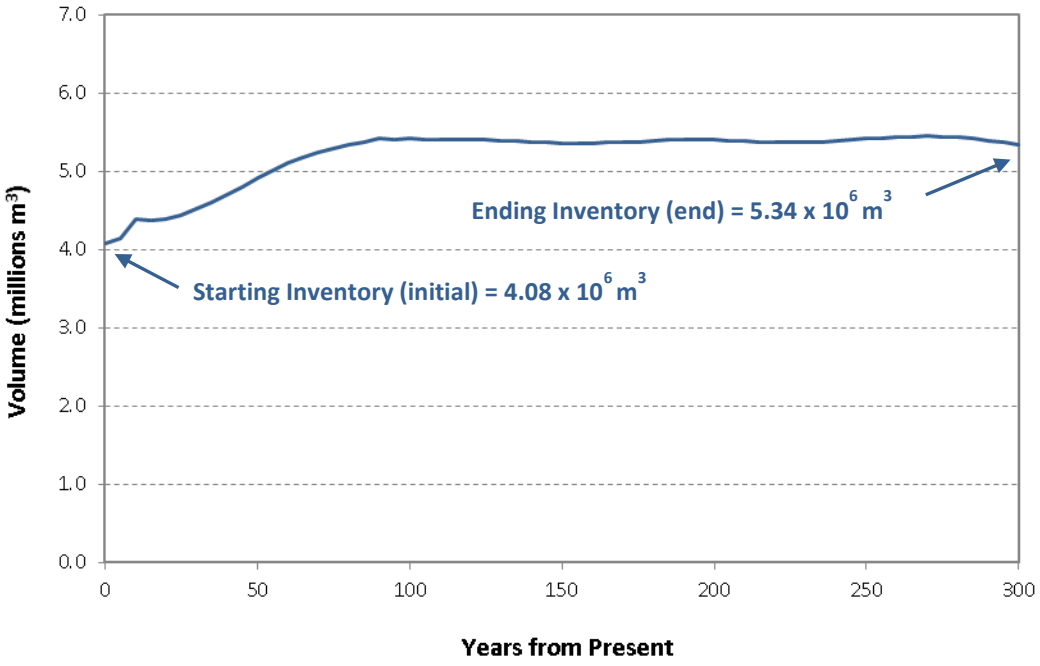


Figure 11. THLB total growing stock for the base case harvest flow

Harvest Attributes

Figure 12 shows the transition from harvesting natural stands to managed stands occurring 40 years into the planning horizon. The first significant amount of managed stand volume is harvested in years 45-50, within 55 years managed stands contribute more than 50% of harvest volume, and within 75 years managed stands contribute more than 75% of harvest volume. The transition to harvesting managed stands is central to short term timber supply because the current stock of merchantable volume must be metered out until these managed stands achieve minimum harvest criteria.

By year 100, managed stands dominate the harvest forecast and support an increased harvest level. This occurs because managed stands produce higher volumes than natural stands for a given time period. This higher productivity is a result of improved site index estimates, better site occupancy (fewer stand gaps), and gains associated with the use of class A seed within managed stands.

The long term harvest flow of 107,100 m^3/yr is below the long run sustained yield (LRSY) calculated (117,063 m^3/yr) for the TFL. This is an expected result because: 1) not all stands become managed stands - some natural stands never get harvested in order to satisfy non-timber goals, and 2) the modelled harvest flow is subject to constraints not incorporated into the LRSY calculation.

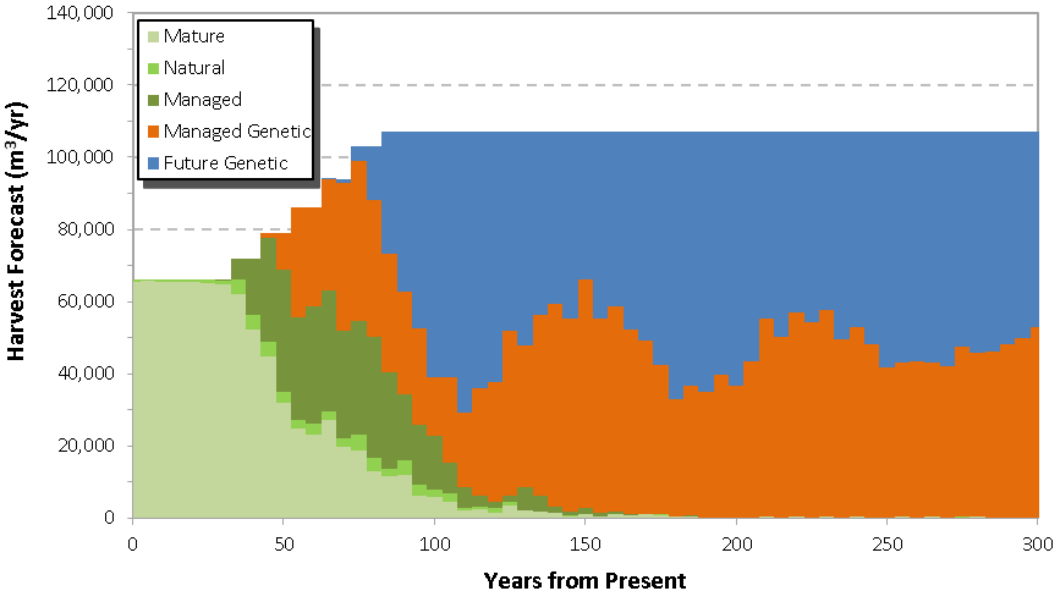


Figure 12. Transition of natural stands to managed stands

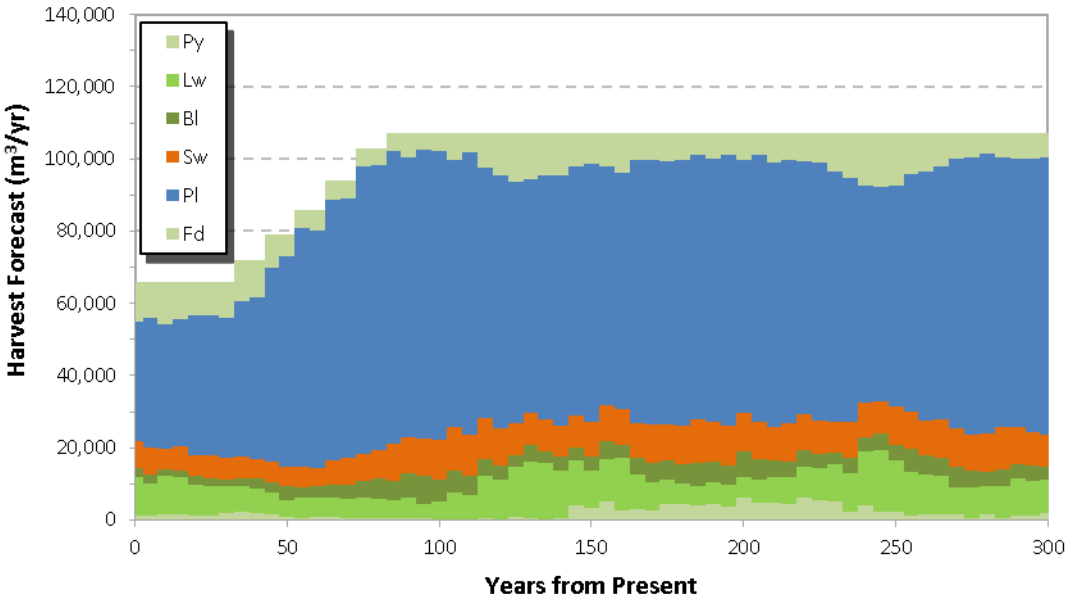


Figure 13. Base case harvest flow by leading species

Pine is a very dominant component of harvest flow throughout the planning horizon (Figure 13), with significant, although smaller components of Douglas-fir, spruce and larch. This is an expected result because pine stand types encompass such a large portion (61%) of the THLB. Over the entire planning horizon pine comprises 66% of the harvest volume, while Douglas fir, spruce and larch each account for approximately 9% of the total harvest volume. Although these species comprise a much larger portion of harvest volume in the short term.

Figure 14 below shows the average annual area harvested, average harvest age, and average harvest volume/ha over time. The amount of area harvested ranges between 1,448 and 1,772 ha/yr with an average of 1,654 ha/yr. Overall harvest area remains relatively constant with exception to a short period between years 45-65 where lower than typical harvest area reflects the initiation of harvesting within managed stands, and the associated higher stand volumes (m^3/ha) and younger harvest ages. Existing natural stands are harvested at an average age of 150 years, and managed stands harvested at an average age of 100 years, produce similar harvest volumes of 300-350 m^3/ha.

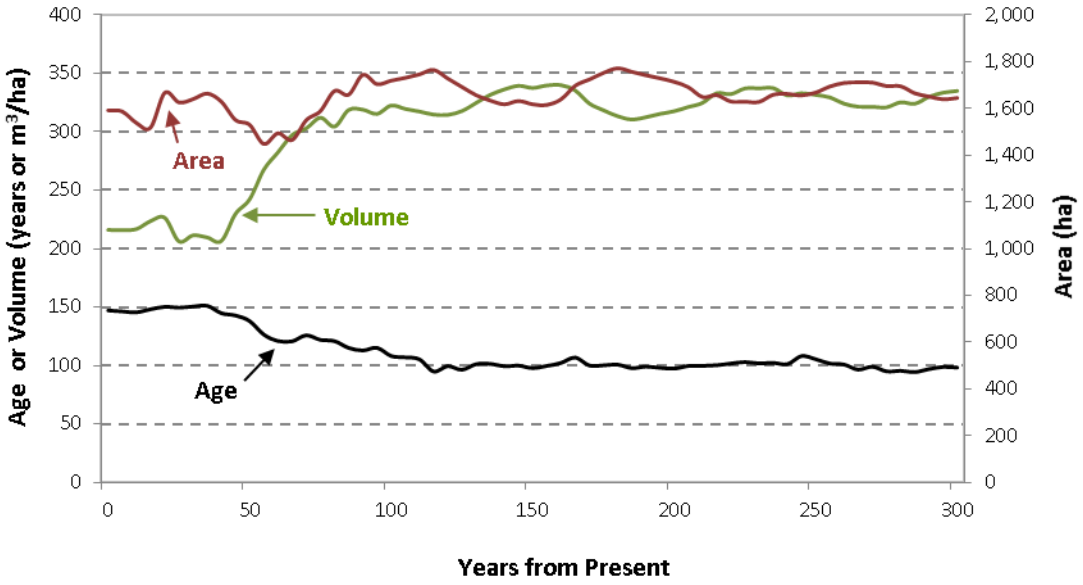


Figure 14. Average harvest age, area, and vol/ha for the base case

Age Class Distribution

Figure 15 provides a forecast of the age class distribution for the TFL showing both the THLB and non-THLB land bases in 100 year increments. The sequence demonstrates the increasing age of undisturbed stands within the non-THLB. The sequence also demonstrates the relatively even distribution of age classes between 0-100 years as the THLB approaches a 'regulated' forest structure. Older stands within the THLB are retained to satisfy forest cover requirements. The projected age class distributions shown in Figure 15 do not account for potential landscape disturbances which were not modelled.

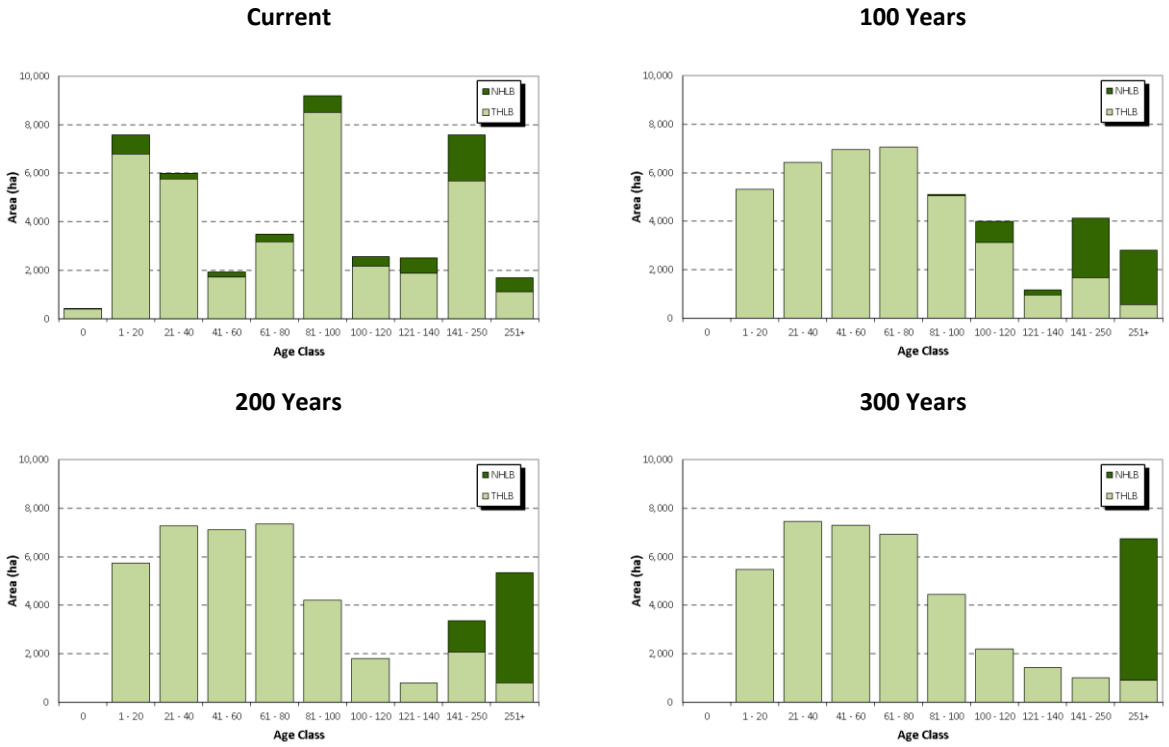


Figure 15. Age class distributions at 100 year intervals for the TFL 59 base case

5. Base Case Differences from MP9

Relative to MP9, the base case presented here shows an earlier increase and lower long term harvest level (Figure 16). This section summarizes and explains, where possible, the differences between the harvest flows. More details on the different inputs and assumptions included in the two analyses can be found in Section 3.6.

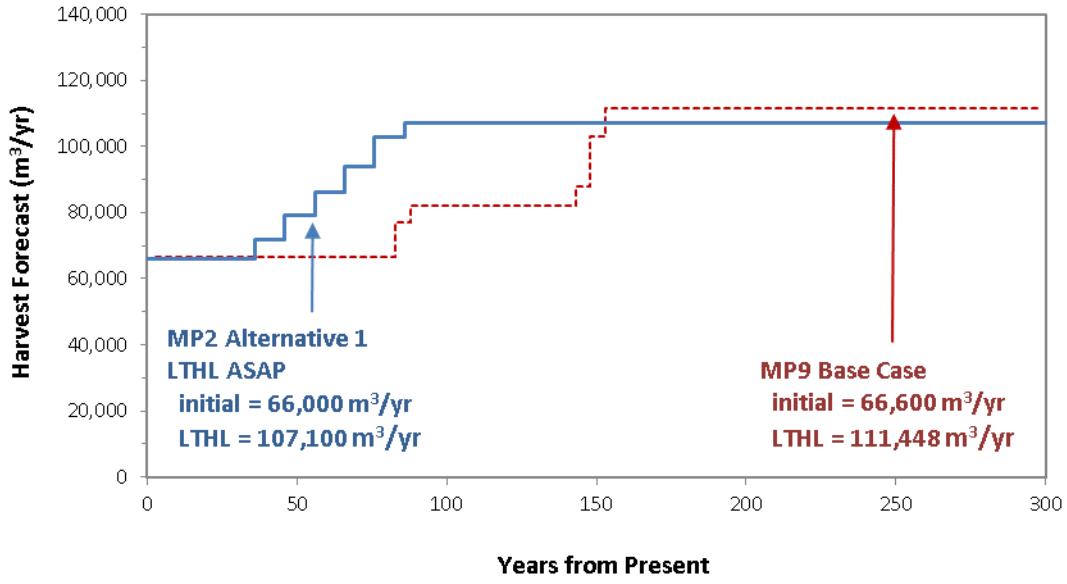


Figure 16. TFL 59 MP9 and MP2 base case harvest projections

The comparisons made below relate the MP9 base case analysis to the current base case analysis as shown in Figure 16. The projection years in the MP9 forecast has been adjusted to correspond to the current analysis.

Upward pressures on timber supply relative to MP9

- Yield curves for mature stands were not reduced. MP9 applied a 9% downward adjustment to mature stand yields. The adjustment included two components; a 5% volume adjustment and an estimated 4% NVAF adjustment. The adjustment was to address uncertainties associated with the inventory which had an 18% sampling error (3% higher than normally accepted).This adjustment was not applied in this analysis.

- Minimum harvest ages are younger. MP9 defined minimum harvest ages for natural and managed stands based on minimum stand volumes distinct for various ecological classification. Minimum volume ranged from 150 m^3/ha to 250 m^3/ha. The current analysis defines minimum harvest ages for natural based on minimum stand volume (150 m^3/ha) and piece size (0.11m^3) criteria. Minimum harvest ages for managed stands are based on the age where 95% of maximum mean annual increment is achieved. Overall minimum harvest ages for MP2 are lower than MP9 and thus provide more flexibility in accessing managed stands.

- No reduction for future landings. The expansion of roadside harvesting throughout the TFL has greatly reduced the need for any landings. MP9 applied a 1.38% reduction to future yield curves to account for future landings, this analysis does not apply this reduction.
- Fewer Low Productivity Sites. The two analysis determined very different areas of low productivity sites and problem forest types. The net difference for these two classifications is 1,830 ha, and the THLB for the current analyses is 1,569 ha larger than MP9.

Downward pressures on timber supply relative to MP9

- Higher reduction for unsalvaged losses. MP9 applied a 0.84% reduction to mature stand yields to account for unsalvaged losses. For the current analysis unsalvaged losses are estimated to be similar to the Okanagan TSA and a 4.7% reduction was applied to the forecast harvest volume throughout the entire planning horizon.
- Higher Wildlife Tree Patch retention. Weyerhaeuser has completed a review of historic WTP retention levels on TFL 59. The analysis found that since 1996, the WTP retention on the TFL averaged 7%, with 4% of all WTPs being located within the THLB. In MP9 a 0.46% reduction was applied to future yield curves to account for WTPs, this analysis applies a 4% retention in the FPS model.

Other analytical differences

- Managed stand site index. MP9 adjusted managed stand site index values based on SIBEC data. The current analysis adjusts managed stand site index based on the Provincial Site Productivity Layer (PSPL).
- Mule deer winter range retention. Changes in mule deer winter range planning cell retention requirements.

6. Base Case Sensitivity Analyses

The data and assumptions used in timber supply analyses are often subject to uncertainty. To provide perspective on the impacts of changes to data or assumptions, sensitivity analyses are commonly performed. Usually only one variable (data or assumption) from the information used in the base case is changed in order to explore the sensitivity of that variable. Sensitivity analysis is a key component of any timber supply analysis process as it provides the Chief Forester with the information necessary to gauge the potential impact of uncertainty around assumptions and data that make up the base case. Sensitivity analyses help to 'frame' the potential impacts of uncertainty by analyzing scenarios that are more pessimistic and more optimistic than the base case.

Table 3 provides a list of the sensitivity analyses completed on the TFL 59 MP2 base case.
For each sensitivity and scenario, the short, mid and long term impacts are described. These temporal subdivisions (short, mid long term) are not fixed, and are specific to each harvest flow. These periods are illustrated in Figure 17.

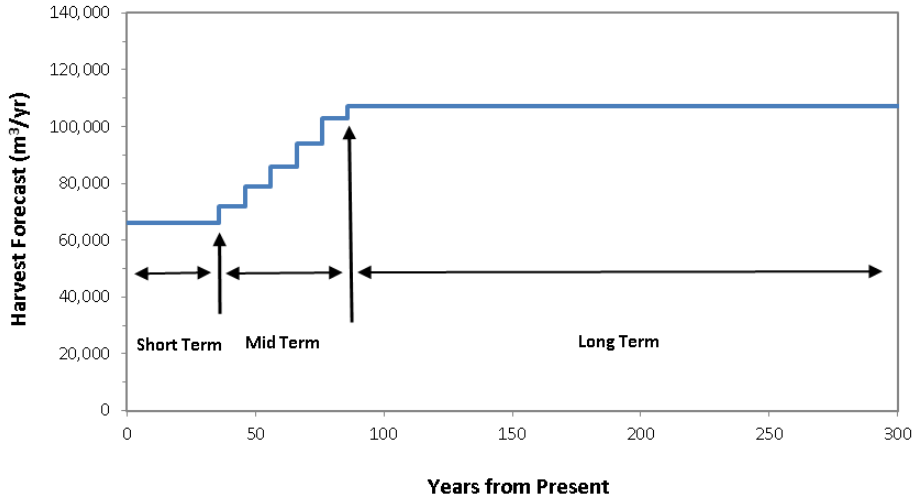


Figure 17. Reporting periods (short, mid, long terms)

Determining harvest flows for sensitivity analyses are subjective, here sensitivity analyses attempted to establish a non-declining harvest flow that allowed for a reasonable comparison to the base case.

Table 3. Management Plan 2 sensitivity analyses

Section	Sensitivity analysis	Description of the Changes in Sensitivity Run
6.1	Timber Harvesting Land Base	Increase and decreased THLB by +/– 10%.
6.2	Natural Stand Yields	Increase and decrease volume projections for natural stand yields +/- 10%.
6.3	Managed Stand Yields	Increase and decrease volume projections for managed stand yields +/- 10%.
6.4	Minimum Harvest Ages	Increase and decrease minimum harvest age for natural stand +/- 30 years and managed stands+/- 10 years.
6.5	Williamson's Sapsucker Habitat	Include proposed Williamson's sapsucker wildlife habitat areas.
6.6	Williamson's Sapsucker Habitat	Remove stands with high percent of pine (70%+) from habitat.
6.7	Natural Stand Yields and Williamson's Sapsucker Habitat	Decrease volume projections for natural stand yields +/- 10% and include Williamson's sapsucker proposed wildlife habitat areas.

6.1 Timber Harvesting Land Base

The size of the THLB has uncertainty around its definitions because of the range of assumptions required (operable area, problem types, low sites, riparian management, impacts from trails and landings, etc.). Different market conditions in the future or changes in harvesting or milling technology can also serve to reduce or expand the land base considered to be operable.

To test the sensitivity of THLB area on timber supply, two scenarios were completed. In these scenarios, the size of the THLB was first increased and secondly decreased by 10%.

Methodology

Scenario	Modelling Approach
Timber harvesting land base +10%	The modeled size of each polygon in the THLB was increased by 10% to a total of 40,357 ha. The size of each non-THLB polygon was reduced by an offsetting percentage to keep the total CFLB area constant.
Timber harvesting land base -10%	The modeled size of each polygon in the THLB was decreased by 10% to a total of 30,124 ha. The size of each non-THLB polygon was reduced by an offsetting percentage to keep the total CFLB area constant.

Table 4. Land base areas for the THLB +-10% sensitivity analysis

Scenario	THLB (ha)	Non - THLB (ha)	CFLB (Ha)
Base Case	36,688	6,291	42,458
THLB Plus 10%	40,357	2,622	42,458
THLB Minus 10%	33,020	9,959	42,458

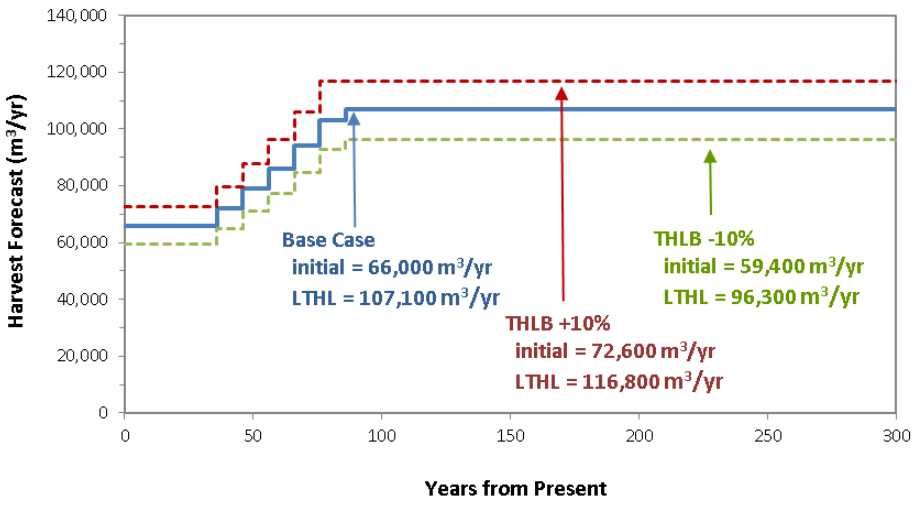


Figure 18. Harvest flow for the THLB area increased and decreased by 10%

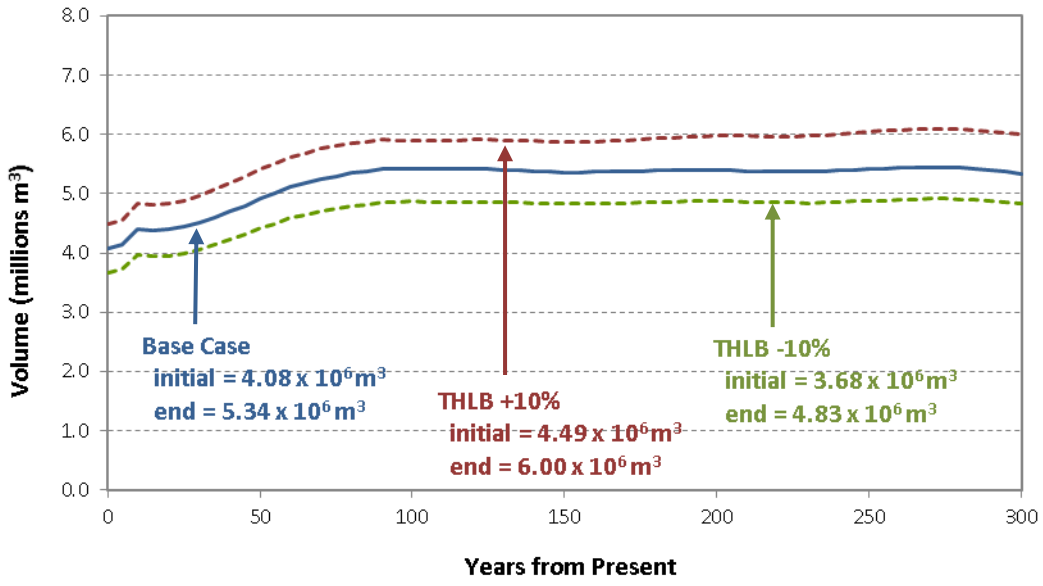


Figure 19. Growing stock for the timber harvesting land base increased and decreased by 10%

Results

Scenario	Short Term	Mid Term	Long Term
Timber Harvesting Land Base + 10%	Increases annual harvest volume 11% to 72,600 m³/yr	Increases annual harvest 13%	Increase annual harvest 10% to 116,800 m³/yr
Timber Harvesting Land Base - 10%	Decreases short term harvest level of 10% to 59,400 m³/yr	Decreases harvest level 10%	Decrease annual harvest level 10% to 96,300 m³/yr

A percentage increase or decrease in the THLB typically has a proportional impact on the harvest flow, and this was the case for this analysis. This occurs partially because there were limited non-timber objectives relying on the NTHLB area. For example, OGMAs were spatial and their dependence on the NTHLB was constant over time.

6.2 Natural Stand Yields

Natural stand yields are a critical input into timber supply analysis. The short and mid term timber supply is heavily influenced by the available volume in natural stands (e.g. growing stock) because it supports harvest levels until managed stands are ready for harvest.

Uncertainty in timber yields can result from many different factors. Natural stand yields are based on the VDYP yield model, which predicts yields from stand attributes in the forest inventory. Inaccuracies the VRI stand attributes, the predicted future growth of these stands, or the net volume that can be realised harvest can create uncertainties around actual stand yields. In this TFL's case, the VRI Phase 2 sampling suggested that natural stand volumes could be overestimated by 9% but a high sampling error left it as an uncertain outcome.

Methodology

Scenario	Modelling Approach
Natural Stand Yields plus 10%	The yields associated with each natural stand analysis unit were increased by 10% (1000 and 2000 series AU's).
Natural Stand Yields minus 10%	The yields associated with each natural stand analysis unit were decreased by 10% (1000 and 2000 series AU's).

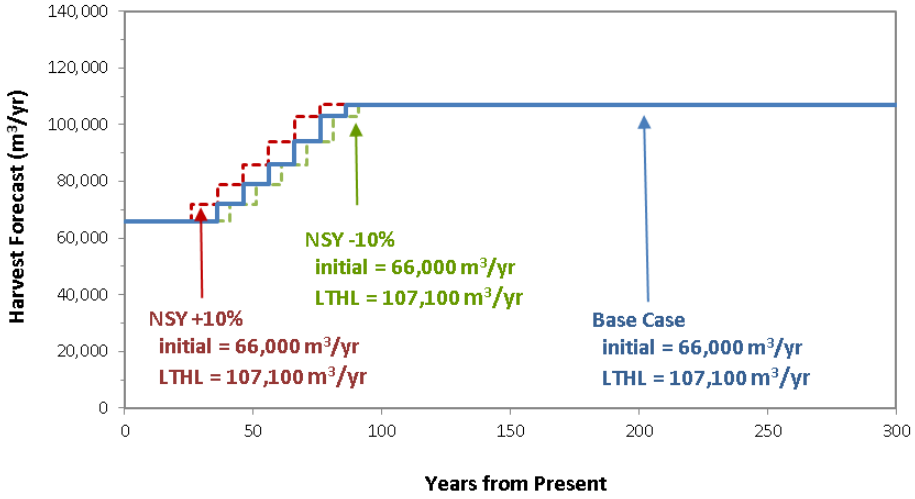


Figure 20. Harvest flow for natural stand yields increased and decreased by 10%

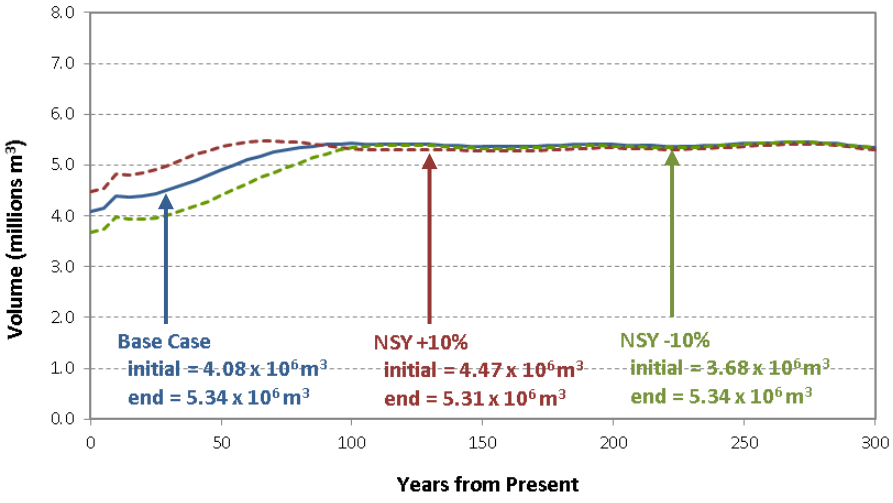


Figure 21. Growing stock for natural stand yields increased and decreased by 10%

Results

Scenario	Short Term	Mid Term	Long Term
Natural Stand Yields plus 10%	Same as base case	Mid term transition starts 10 years earlier	Same as base case
Natural Stand Yields minus 10%	Same as base case	Mid term transition starts 10 years later	Same as base case

Increases or decreases of natural stand volume impact growing stock and harvest volumes in the short and midterm. In this sensitivity the modeled results were limited to changes in the midterm to provide a better comparison to the base case. In the base case short term harvest levels were designed to maintain the current AAC, although a higher level was possible, until such time that a steady increase to the long term harvest level was possible. This sensitivity applied the same flow strategy; to maintain the current AAC until such time that a steady increase to the long term level was possible.

A 10% decrease in natural yields results in a 5 year delayed transition to increased long term harvest levels, and long term harvest levels are not impacted (Figure 20). A 10% increase in natural stand yields allows the transition to long term harvest levels to occur 10 years earlier than the base case.

6.3 Managed Stand Yields

Managed stand yields are an equally critical input into timber supply analysis as they define long term sustainable harvest levels and can heavily impact mid term harvest levels by dictating how long natural stand volume must be metered out.

Managed stand yields are based on the TIPSY growth model, which predicts yields from estimates of site index, and stand attributes such as species, density, and expected gains from planting stock grown from select seed. The over or under estimation of any of these factors can lead to uncertainties in the yields of these future stands.

Methodology

Scenario	Modelling Approach
Managed Stand Yields plus 10%	The yields associated with each managed stand analysis unit were increased by 10% (>2000 series AU's).
Managed Stand Yields minus 10%	The yields associated with each managed stand analysis unit were decreased by 10% (>2000 series AU's).

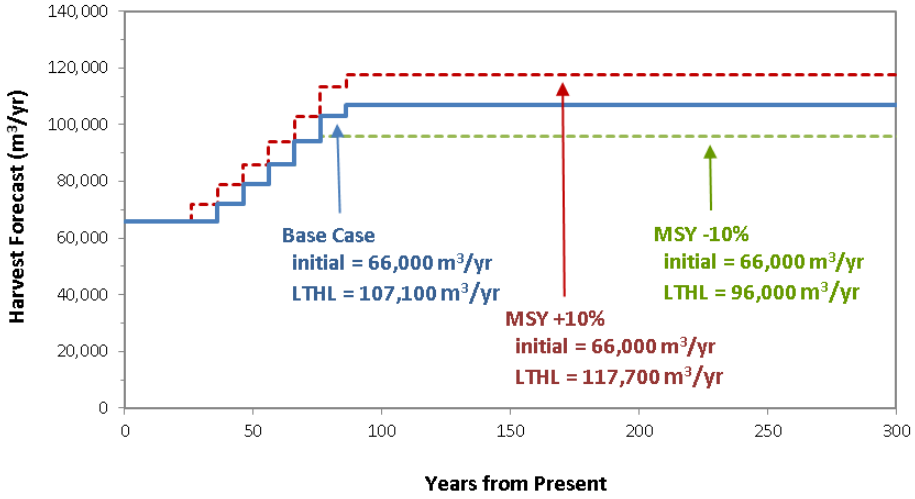


Figure 22. Harvest flow for managed stand yields increased and decreased by 10%

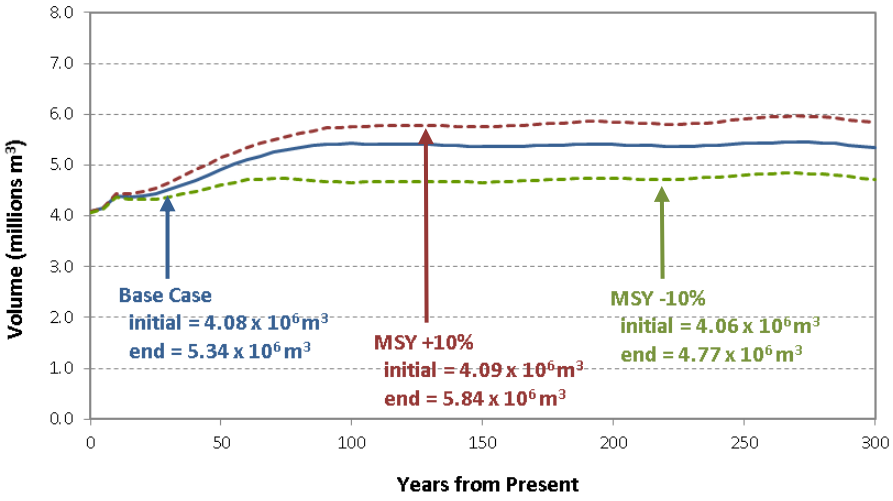


Figure 23. Growing stock for managed stand yields increased and decreased by 10%

Results

Scenario	Short Term	Mid Term	Long Term
Managed Stand Yields plus 10%	Same as base case	Mid term achieved 10 years sooner	Increases annual harvest 11% to 117,700 m³/yr Achieves long term levels 10 years sooner
Managed Stand Yields minus 10%	Same as base case	Same as base case	Decreases annual harvest 10% to 96,000 m³/yr

The adjustments to managed stand yields result in proportional change in long term harvest flow. Increased managed stand yields increases the sustainable harvest flow 11% to 117,700 m³/yr. Decreasing managed stand yields did not impact short term or mid term timber supply because a conservative short term flow strategy was established for the base case – but long term harvest was reduced 10% to 96,000 m³/yr.

6.4 Minimum Harvest Ages

Uncertainty around the age that stands become merchantable for harvest is linked to both our ability to predict the future growth of stands and our ability to understand future conditions that will define merchantability (markets / products).

The methodology for determining the minimum harvest age (MHA) differed for natural and managed stands. For natural stands MHA was determined by the older of two criteria; stand volume (earliest age where 120 m^3/ha was achieved) and piece size (earliest age where average stem volume of 0.11 m^3 was achieved). For managed stands MHA was determined by the age at which 95% of the maximum mean annual increment (MAI) was achieved.

Because mature stands on the TFL tend to be old, a large change (+/- 30 years) in the MHA for natural stands was applied. Conversely, because the MHA of managed stands tend to be much younger, a smaller change (+/-10 years) was applied.

Establishing minimum harvest ages associated at the maximum MAI tends to optimize growth potential and long term harvest levels, alternatively allowing stands to be harvested earlier than maximum MAI provides flexibility in the transition from short to long term harvest levels. To understand the potential impact of MHA on the TFL two scenarios were completed.

Methodology

Scenario	Modelling Approach
Min Harvest Ages decreased by 10/30 yrs	Minimum harvest ages for naturally regenerated stands (AU <3000) were decreased by 30 years, and for managed stands (AU>3000) were decreased by 10 years
Min Harvest Ages increased by 10/30 yrs	Minimum harvest ages for naturally regenerated stands (AU <3000) were increased by 30 years, and for managed stands (AU>3000) were increased by 10 years

Results

Scenario	Short Term	Mid Term	Long Term
Min Harvest Ages decreased by 10/30 years	Same a base case	Mid term achieved 5 years sooner	Same as Base Case
Min Harvest Ages increased by 10/30 years	Same as base case	Mid term achieved 15 years later	Reduced to 105,300 (-2%).

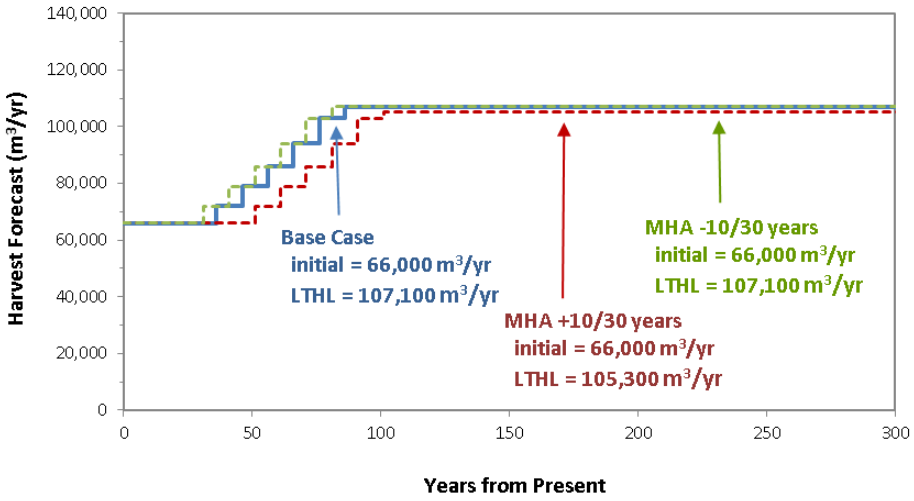


Figure 24. Harvest flow for minimum harvest ages increased and decreased by 10 /30years

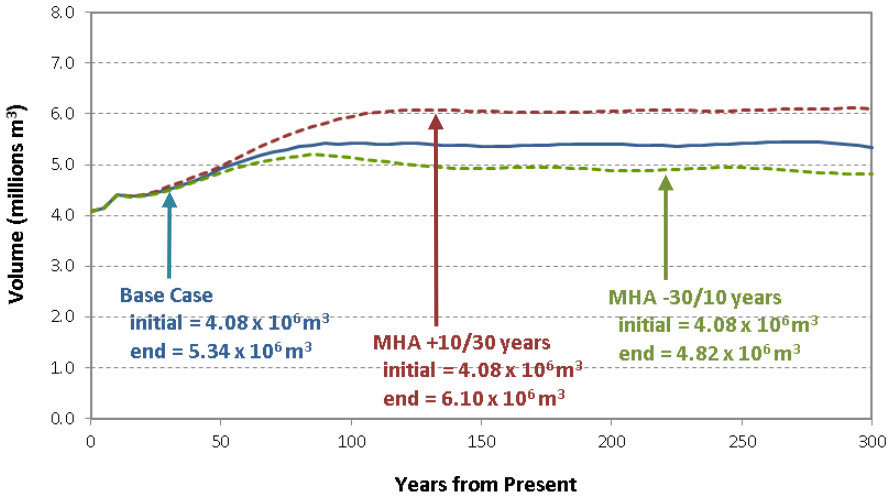


Figure 25. Growing stock for minimum harvest ages increased and decreased by 10/30 years

Decreasing minimum harvest ages (MHA) allow the transition to long term harvest levels to 5 years earlier in the planning horizon, but the long term flow remains unchanged. The young ages allow increased flexibility to access stands in the midterm but don't significantly impact the MAI so long term levels remain the same.

Increasing minimum harvest ages delays the transition to the long term (15 years) because the model must wait longer for managed stands to become available. The long term is impacted slightly (-2%) because the extended rotation ages are moving away from culmination ages.

This sensitivity further illustrates the importance of the transition from natural to managed stands within the TFL.

6.5 Williamson's Sapsucker Habitat

A significant management consideration on the TFL is Williamson's sapsucker (WISA) habitat. Within the TFL, there are three specific ways that WISA habitat is being managed. This includes no-harvest wildlife habitat areas, no-harvest nest reserves, and forest cover retention requirements for low-high habitat classes within the THLB.

There is 7,698 ha of Williamson's Sapsucker habitat (Low-High) within the TFL, 352 ha of Williamson's Sapsucker WHAs. There is also 26 ha of no-harvest WISA nest site buffers within the TFL.

Williamson's Sapsucker Wildlife Habitat Areas

Currently within the TFL there is 352 ha of Williamson's sapsucker WHAs, there is also an additional 514 ha of proposed Williamson's sapsucker WHAs. This sensitivity assesses the impact of removing proposed WHAs from the THLB. Table 5 reports the total area within proposed WISA WHA, the net impact to the THLB area (accounting for other existing management constraints), and the net THLB reduction as a percent of the total THLB.

Table 5. Timber harvesting land base changes for proposed Williamson's sapsucker WHA

Scenario	WISA WHA Total Area (ha)	WISA WHA Net THLB Reduction (ha)	Percent of THLB (%)
Base Case (approved WHAs)	352	304	0.8
Base Case + proposed WHAs	866	769	2.1

Pine Dominated Williamson's Sapsucker Habitat

A large portion of the TFL is dominated by pine stands (Figure 5and Table 6), including 673 ha within WISA habitat (classes low-moderate, high).

High habitat areas require a minimum live tree retention of 225 stems per hectare (SPH). Across the TFL the average number of stems in mature stands is 749 SPH, thus a 30% (225 SPH / 749 SPH) stand level retention was applied to high habitat. Low - moderately habitat requires a minimum retention of 143 stems/hectare, therefore a 19% (143 SPH / 749 SPH) retention was applied. In the analysis the percent retention requirements for high habitat and low-moderate habitat were not modified from the base case.

Lodgepole pine is the least preferred tree species of Williamson's sapsucker and nearly excluded from use. Managing pine dominated stands for WISA habitat may not be practical or effective as there are an insufficient number and size of stems of the preferred tree species for retention. Additionally, the retention of pine in low-moderate habitat is expected to increase the risk of windthrow further reducing the suitability of these areas for use as habitat.

This sensitivity explores the impacts of excluding pine dominated stands from WISA low-moderate habitat.

Currently within the TFL there is 297 ha of WISA high habitat and 7,401 ha of moderate-low habitat. Removing pine dominated stands (>70% pine) reduces the total area in moderate-low habitat to 7,025 ha.

Table 6. Habitat areas for Williamson's sapsucker habitat scenario

Scenario	WISA High (ha)	WISA Low-Moderate (ha)	Total WISA (ha)
Base Case	297	7,401	7,698
WISA - PL	297	6,728	7,025

Methodology

Scenario	Modelling Approach
Include proposed Williamson's sapsucker wildlife habitat areas	Assign land base classification including the proposed Williamson's sapsucker wildlife habitat areas (proposed WHAs removed from THLB).
Exclude pine dominated stands from Williamson's sapsucker low-moderate habitat	Williamson's sapsucker classified habitat (low-moderate) areas had stands with more than 70% pine removed from the WISA habitat resource units.

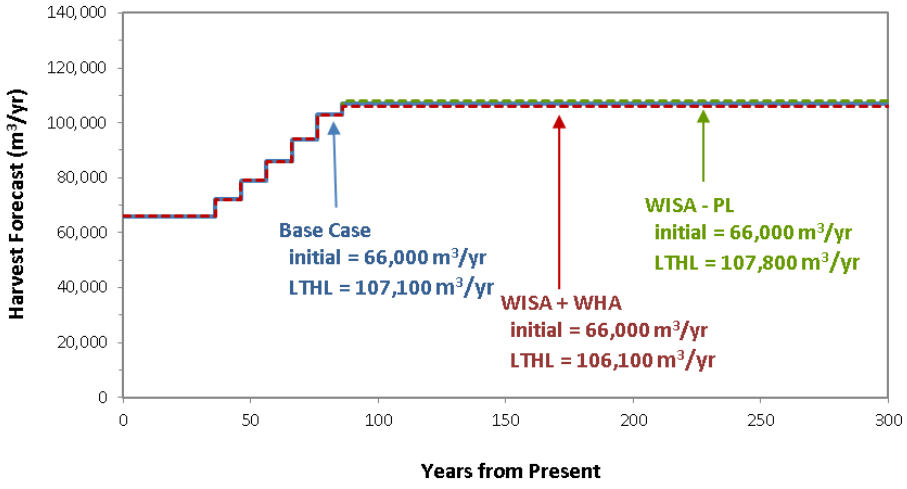


Figure 26. Harvest flows for Williamson's Sapsucker habitat scenarios

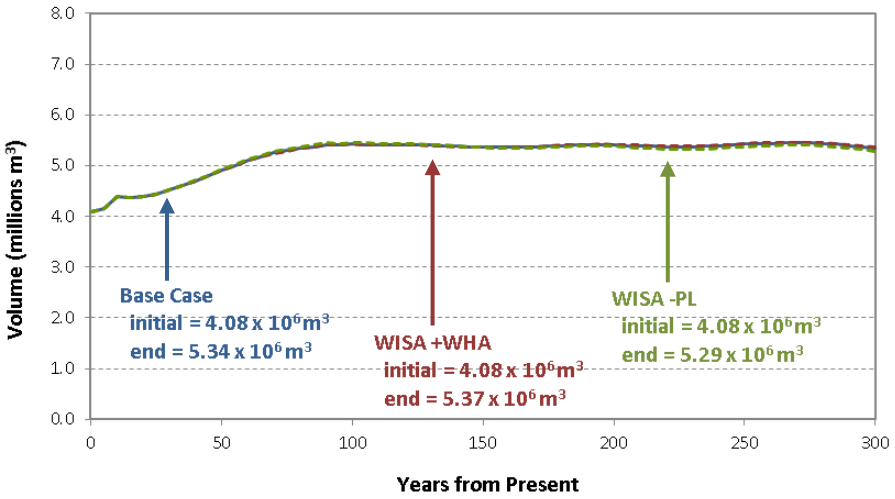


Figure 27. Growing stock for Williamson's Sapsucker habitat scenarios

Results

Scenario	Short Term	Mid Term	Long Term
Remove proposed Williamson's sapsucker WHA areas from THLB	Same a base case	Same a base case	Decreased harvest 0.9% to 106,1000 m^3/yr
Remove pine dominated stands from Williamson's sapsucker low-moderate habitat	Same a base case	Same a base case	Increases harvest 0.7% to 107,800 m^3/yr

Removing the proposed WISA WHA from the THLB did not impact short term flow but reduced long term flow by 1,000m^3/yr. However, if the proposed WHAs are approved the THLB impact resulting from Identified Wildlife habitat requirements would greatly exceed those agreed to as part of the Okanagan Shuswap Local Resource Management Plan (LRMP). The THLB impact budget for TFL 59 was set to approximately 240 hectares. It would be our preference to see the WHAs reduced in size, while implementing WISA Best Management Practices to manage the WISA habitat. This approach would have the benefit of increasing access to timber and the potential to improve the habitat for WISA.

Excluding pine dominated stands from Williamson's sapsucker low-moderate habitat did not impact short or mid term timber supply, but long term flow increased 0.7% to 107,800 m^3/yr. Removing the pine dominated stands from the WISA habitat relieved these areas (673 ha) of retention requirements, making more timber available at the time of harvest.

6.6 Natural Stand Yields and Williamson's Sapsucker Habitat

On request by MFLNRO staff an additional sensitivity analysis was completed. The analysis applied a 10% decrease to natural stand yield volume projections, and also removed proposed WHAs from the THLB.

This sensitivity is explores the impact of a reduced THLB due to proposed WISA WHA designations, where natural stand yields are reduced 10%.

Methodology

Scenario	Modelling Approach
Natural Stand Yields minus 10%, also include in analysis proposed Williamson's sapsucker wildlife habitat areas	The yields associated with each natural stands were decreased by 10%. Assign land base classification including the proposed Williamson's sapsucker wildlife habitat areas.

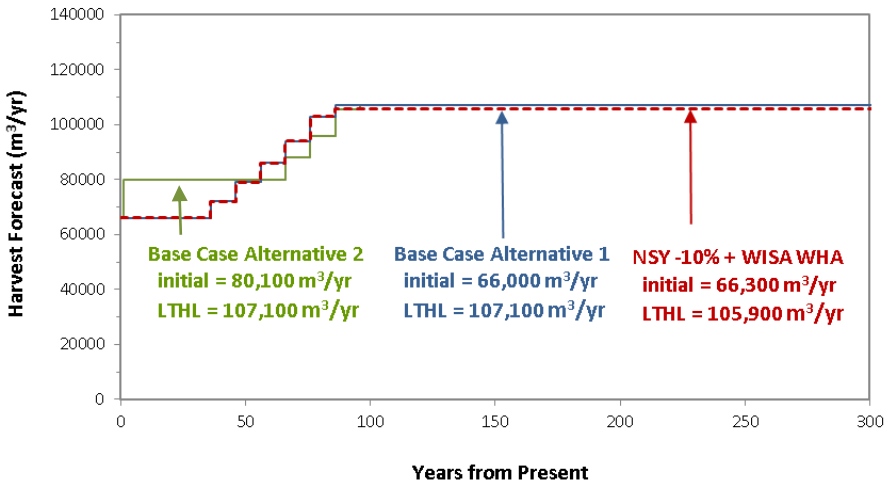


Figure 28. Harvest flow for natural stand yields decreased by 10% with proposed WHA removed from THLB

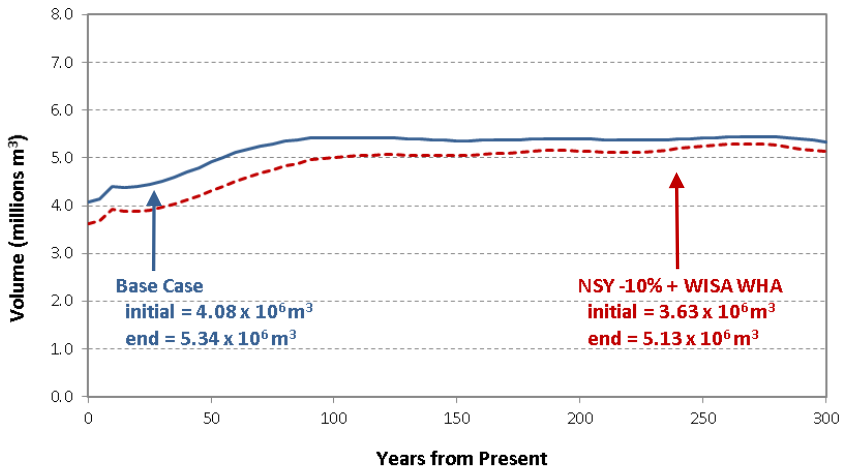


Figure 29. Growing stock for natural stand yields decreased by 10% with proposed WHA removed from THLB

Results

Scenario	Short Term	Mid Term	Long Term
Managed Stand Yields minus 10%, also include proposed Williamson's sapsucker wildlife habitat areas	Decreases annual harvest 7,100 m^3/yr (17.2%) below base case alternative 2	Begins 20 years sooner relative to base case alternative 2	Decreases annual harvest 0.9% to 105,900 m^3/yr below base case alternative 2

This sensitivity analysis applied a flow strategy that maximized short term and long term harvest levels. In this scenario the maximum short term harvest level was sensitive to the duration of the short term period and various flow strategies were possible. The strategy selected was to maximize short term harvest levels and for a duration similar to the base case alternative 1. Similarly, this sensitivity increased mid term harvest levels so that long term harvest levels were achieved as soon as possible, similar to the approach for the base case alternative 1.

Relative to the base case alternative 2, applying the 10% reductions to natural stand yields and removing the proposed WISA WHA from the THLB result in a 7,100 m^3/yr (17.2%) decrease in short term harvest levels. Long term levels were decreased 1,200 m3/yr to 105,900 m^3/yr, 1.1% below the base case alternative 2.

Relative to the base case, short term harvest levels were 300 m^3/yr (0.5%) higher and long term levels decreased to 105,900 m^3/yr (-1.1%).

7. Summary and Recommendations

This analysis presents two alternative non-declining harvest flows and reports the results for the preferred base case which sets short term harvest at the current AAC. Relative to the alternative, the preferred base case foregoes an increase in short term harvest to provide a more gradual transition from existing natural stands to managed stands which improves operational flexibility and responds to concerns expressed by local First Nations.

The base case establishes an initial harvest level of 66,000 m³/yr (current AAC) which is maintained for 35 years before gradually increasing to the long term harvest level of 107,100 m^3/yr. The transition to managed stands begins in 30 years but it is not until 55 years in the future where managed stands contribute more than 50% of harvest volume, and 75 years before managed stands contribute more than 75% of harvest volume.

The base case flows of MP2 and MP9 are substantially different primarily because of changes in management assumptions. Although the short term flow of these two analyses are very similar, the current analysis indicates that it is possible to increase harvest levels in the short term because of higher natural stand yields, younger minimum harvest ages, and a larger effective THLB (4.5%). Long term flow is lower by 4.1% largely because of a 3.5% increase in wildlife tree patch retention and a 3.9% increase in unsalvaged losses, although this is offset by a 4.3% larger THLB and a 1.4% lower reduction for future roads and landings.

In order to assess the impacts of potential changes to modeling assumptions, and gain further understanding of the dynamics affecting the base case forecast, a series of sensitivity analyses were completed and are summarized below, ordered from the most significant impact to the least significant impact and by the type of impact whether positive, negative or neutral (Table 7).

Table 7. Summary of Sensitivity Analysis Results

Scenario	% Change to Harvest Forecast		
	Short term	Mid term	Long term
Negative Impacts			
Timber harvesting land base minus 10%	-10%	-10%	-10%
Minimum harvest ages increased by 10 years	none	15 years later	-2%
Natural stand yields minus 10%	none	10 years later	none
Managed stand yields minus 10%	none	none	-10%
Remove proposed WISA Wildlife Habitat Areas from THLB	none	none	-0.9%
Reduce natural stand yields minus 10% and remove proposed WISA WHA*	-17.2%	20 years sooner	-1.1%
Positive Impacts			
Timber harvesting land base plus 10%	+11%	+13%	+10%
Managed stand yields plus 10%	none	10 year earlier	+11%
Remove high percent PL stands from WISA habitat	none	none	+0.7%
Natural stand yields plus 10%	none	10 years earlier	none
Minimum Harvest Ages decreased by 10 years	none	5 years sooner	none

*Relative to the base case alternative 2

Sensitivity analyses revealed that the short term harvest level of the base case is highly stable, with only a significant decrease in THLB area causing negative impacts. This stability is due, in part, to the flow strategy to maintain short term harvest levels at the current AAC, as to allow the most immediate, steady increase to long term harvest levels. A number of sensitives show that the timing of the midterm can fluctuate with a number of alternative assumptions. Any factors that delay managed stands from becoming eligible for harvest, or reduce the amount of natural stand volume, will impact the timing when harvest levels begin to transition to long term levels.

8. References

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9. Appendix AR1 — Acronyms

AAC	Allowable Annual Cut
Analysis	Timber Supply Analysis
AU	Analysis Unit
BCTS	BC Timber Sales (Formerly Small Business Forest Enterprise Program)
BEC	Biogeoclimatic Ecosystem Classification
BEO	Biodiversity Emphasis Options
BGB	Biodiversity Guidebook
BL	Balsam Fir
CF	Chief Forester
CFLB	Crown Forested Land base
CW	Western Red Cedar
DBH	Diameter at breast height (1.3m)
DFO	Department of Fisheries and Oceans
DM	District Manager
ESA	Environmentally Sensitive Area
FD	Douglas Fir
FIP/FC1	Old Forest Cover Digital Files
FIZ	Forest Inventory Zone
FPC	Forest Practices Code
FRPA	Forest and Range Practices Act
GIS	Geographic Information System
HLPO	Higher Level Plan Order
HW	Western Hemlock
ILMB	Integrated Land Management Bureau
KBHLPO	Kootenay Boundary Higher Level Plan Order
LA	Alpine Larch
LRMP	Local Resource Management Plan
LU	Landscape Unit
LW	Western Larch
MoAL	Ministry of Agriculture and Lands
MoE	Ministry of Environment
MoF	Ministry of Forests
MSY	Maximum Sustained Yield
MSYT	Managed Stand Yield Tables
MP	Management Plan
NCC	Non-Commercial Cover
NDT	Natural Disturbance Type

NP	Non Productive
NRL	Non-Recoverable Losses
NSR	Not Satisfactorily Restocked
NSYT	Natural Stand Yield Tables
OAF	Operational Adjustment Factor
OGMA	Old-Growth Management Areas
PA	Whitebark Pine
PEM	Predictive Ecosystem Mapping
PL	Lodgepole Pine
PSP	Permanent Sample Plot
PSYU	Public Sustained Yield Unit
PW	White Pine
PY	Ponderosa Pine
RIC	Resources Inventory Commission
RM	Regional Manager
RMZ	Riparian Management Zone
ROS	Recreation Opportunity Spectrum
RTEB	Resource Tenures and Engineering Branch
TFL	Tree Farm License
THLB	Timber Harvesting Land base
TIPSY	Table Interpolation Program for Stand Yields (growth and yield model)
TSA	Timber Supply Area
TSR	Timber Supply Review
UREP	Use, Recreation, and Enjoyment of Public
VDYP	Variable Density Yield Predictor (growth and yield model)
VEG Ht	Visually Effective Greenup Height
VQO	Visual Quality Objective
WTP	Wildlife Tree Patch