



AGENDA

Corporation of the Town of Kirkland Lake
Regular Meeting of Council
Electronically via Zoom
June 2, 2020
4:40 p.m.

1. **Call to Order and Moment of Silence**

2. **Approval of the Agenda**

***BE IT RESOLVED THAT** the Agenda for the Regular Meeting of Council held on June 2, 2020 beginning at 4:40 p.m. be approved as circulated to all Members of Council, and*

***THAT** Council suspends provision 15 of By-Law 15-075 being a by-law regulating the Procedures of Council to permit a Public Meeting heading for the purposes of a Zoning By-Law Amendment at 48 McCamus Avenue.*

3. **Declaration of Pecuniary Interest**

4. **Public Meeting**

4.1 Call to Order

4.2 Purpose of Meeting

4.3 Confirmation of Notice

4.4 Summary of Planning Report

4.5 Applicant Comments

4.6 Correspondence Received

4.7 Questions from Public

4.8 Chair Declares Public Meeting to be Closed

4.9 Consideration of Proposed Amendment

***BE IT RESOLVED THAT** Report Number 2020-DEV-027 entitled “Zoning By-law Amendment - 48 McCamus Avenue”, be received, and*

***THAT** staff be directed to prepare and present a By-law to Council to authorize the Corporation of the Town of Kirkland Lake to rezone 48 McCamus Avenue from “Residential Low to Medium Density (R2)” to “Residential Medium Density Special (R3 Sp.)”, with the following provisions:*

- *A minimum lot area of 446.0 square metres;*

PLEASE NOTE: All items on this Agenda are for Council's consideration and will be voted on at the meeting.

- *A minimum frontage of 12.1 metres;*
- *A maximum lot coverage of 50%;*
- *A minimum front yard setback of 2.0 metres; and*
- *A minimum side yard setback of 0.6 metres.*

4.10 Explanation of Appeal

5. **Petitions and Delegations**

6. **Acceptance of Minutes and Recommendations**

BE IT RESOLVED THAT Council accept the minutes of the following meetings:

- *Minutes of the Regular Meeting of Council held May 19, 2020*
- *Minutes of the Special Meeting of Council held May 26, 2020*
- *Minutes of the Kirkland Lake Public Library Board held February 20, 2020*

7. **Reports of Municipal Officers and Communications**

7.1 COVID-19 Update, Verbal
Richard McGee, CAO

BE IT RESOLVED THAT the verbal update titled “**COVID-19 Update**” be received.

7.2 ECJV Request for Parade Permit
Meagan Elliott, Clerk

BE IT RESOLVED THAT Memorandum Number 2020-CLK-003 entitled “**ECJV Request for Parade Permit**” be received,

THAT staff be directed to issue a Parade Permit to ECJV for June 17, 2020, and

THAT staff be directed to coordinate details with the applicant for the temporary road closure on Duncan Avenue.

7.3 2020 User Fees
Meagan Elliott, Clerk

BE IT RESOLVED THAT Memorandum Number 2020-CLK-002 entitled “**2020 User Fees**” be received,

THAT staff be directed to present a by-law to Council at the June 16, 2020 Regular Meeting of Council to establish the 2020 User Fees at the same level as the 2019 User Fees with the exception of “Blue Carts” to increase by \$5.00

THAT the 2020 User Fees include the addition of a licensing fee of \$250.00 for “Food Carts” on Schedule B – Administration Division,

THAT an additional Schedule C be added entitled “Equipment Rates”, and

THAT By-law Number 18-147, being a By-law to Establish User Fees for 2019, be repealed.

7.4 Teck Township Wood Harvesting Summary Report
Wilfred Hass, Director of Economic Development

BE IT RESOLVED THAT Report Number 2020-ED-004 entitled “**Teck Township Wood Harvesting Summary Report**”, be received,

THAT staff be directed to allocate funds from the revenue realized from harvesting TKL Blocks 13 and 14 totaling \$35,033 to the Community Improvement Plan, and

THAT, staff be directed to allocate funds from the revenue realized from harvesting TKL Blocks 15, 16, 17 totaling \$70,654 to the Community Improvement Plan.

7.5 Request to Lease Land – Across from 35 Premier Avenue East
Ashley Bilodeau, Manager of Land Development and Planning

BE IT RESOLVED THAT Report Number 2020-DEV-024 entitled “**Request to Lease Land - Across 35 Premier Avenue East**”, be received,

THAT staff be directed to present a By-law to Council to enter into a Lease Agreement with the owners of 35 Premier Avenue East, and

THAT the Lease Agreement shall stipulate the requirement to keep the property in a good and tidy condition.

7.6 Request to Purchase – 2 Premier Avenue East
Ashley Bilodeau, Manager of Land Development and Planning

BE IT RESOLVED THAT Report Number 2020-DEV-026 entitled “**Request to Purchase – 2 Premier Avenue East**”, be received,

THAT staff be directed to present a By-law to Council to authorize the Corporation of the Town of Kirkland Lake to enter into an agreement of purchase and sale for the property known as 2 Premier Avenue East to Rheal and Debbie Roy for a sale price of \$200.00,

THAT the purchase and sale agreement reflect that the Town of Kirkland Lake will waive the tipping fees associated with the demolition, and

THAT the purchase and sale agreement shall reflect a condition to demolish the building within one (1) month of transfer, and that failure to do so, will result in the municipality arranging for demolition and charging back to the property owner.

7.7 Strategic Plan
Ashley Bilodeau, Manager of Land Development and Planning

BE IT RESOLVED THAT the Draft Strategic Plan be received, and

THAT Council for the Corporation of the Town of Kirkland Lake recommends the approval of the Strategic Plan to the June 16, 2020 Regular Meeting of Council with the following amendments: (to be addressed)

8. **Consideration of Notices of Motion**

8.1 Dump Protocol
Councillor Stacy Wight

BE IT RESOLVED THAT staff be directed to bring forth a formalized protocol/procedure for dump employees to follow, including a system to ensure proper collection of information required at the gate.

9. **Introduction, Reading and Consideration of Bylaws**

Bylaw 20-050 Being a bylaw to Execute an Agreement with WSCS Consulting Inc. to perform a Service Delivery Review for the Corporation of the Town of Kirkland Lake

BE IT RESOLVED THAT the following bylaw be read a first, second, and third time, numbered, passed, signed by the Mayor and the Clerk, and the Seal of the Corporation be affixed thereto;

Bylaw Number 20-050, being a bylaw to Execute an Agreement with WSCS Consulting Inc. to perform a Service Delivery Review for the Corporation of the Town of Kirkland Lake.

Bylaw 20-051 Being a bylaw to Stop up, Close and Declare the Road Allowance located to the South of Lot 72, Plan M-109 as Surplus Land

BE IT RESOLVED THAT the following bylaw be read a first, second, and third time, numbered, passed, signed by the Mayor and the Clerk, and the Seal of the Corporation be affixed thereto;

Bylaw Number 20-051, being a bylaw to Stop up, Close and Declare the Road Allowance located to the South of Lot 72, Plan M-109 as Surplus Land

Bylaw 20-052 Being a bylaw to Authorize the Execution of an Agreement with Richard Roy for a portion of Municipal Property located across from 35 Premier Avenue East

BE IT RESOLVED THAT the following bylaw be read a first, second, and third time, numbered, passed, signed by the Mayor and the Clerk, and the Seal of the Corporation be affixed thereto;

Bylaw Number 20-052, being a bylaw to Authorize the Execution of an Agreement with Richard Roy for a portion of Municipal Property located across from 35 Premier Avenue East

10. Questions from Council to Staff

11. Notice(s) of Motion

12. Councillor's Reports

12.1 Communication of Upcoming Council Meetings Through Social Media
Councillor Patrick Adams

BE IT RESOLVED THAT Memorandum Number 2020-CNL-001 entitled "***Communication of upcoming Council meetings through social media***" be received, and

THAT Council directs the CAO to communicate upcoming meetings of council through social media, and where possible, stream meetings live on social media pages.

12.2 Updates from Councillors

13. Additional Information

13.1 Adoption of Budget Notice, Verbal
Meagan Elliott, Clerk

BE IT RESOLVED THAT notice is hereby given in accordance with By-Law 19-078 being a by-law to establish procedures for Public Notice that the adoption of the proposed 2020 annual budget will be considered at the June 16, 2020 Regular Meeting of Council

14. Closed Session

BE IT RESOLVED THAT Council move into an In-Camera meeting pursuant to Section 239(2) to discuss 1 proposed land disposition, 1 matter about an identifiable individual and 1 litigation matter.

14.1 Minutes of the In-Camera Meeting of Council held May 19, 2020

14.2 Request to Purchase Land
Ashley Bilodeau, Manager of Land Development and Planning

14.3 Library Committee Member Appointment
Meagan Elliott, Clerk

14.4 Statement of Claim – Carriere vs TKL
Richard McGee, CAO

15. Matters from Closed Session

16. Confirmation Bylaw

Bylaw 20-053 Being a bylaw to confirm the proceedings of Council at its meeting held June 2, 2020

***BE IT RESOLVED THAT** the following bylaw be read a first, second, and third time, numbered, passed, signed by the Mayor and the Clerk, and the Seal of the Corporation be affixed thereto;*

***Bylaw Number 20-053**, being a bylaw to confirm the proceedings of Council at its meeting held June 2, 2020.*

17. Adjournment

***BE IT RESOLVED THAT** Council adjourn the June 2, 2020 Regular Meeting of Council.*

Respecting an application by: Norman Gannon
 Located at: 48 McCamus Avenue
 Legal Description: Plan M96T, Lot 89; Pcl 2370CST
 Roll Number: 5468-000-006-08200

TAKE NOTICE THAT the Council of the Town of Kirkland Lake will hold a **virtual public meeting** in relation to the application as per Section 34 (12) of the *Planning Act, R.S.O. 1990, Chapter P.13 (as amended)*, on

Tuesday, June 2, 2020
 At 4:40 p.m. in the Town Hall Council Chambers
 3 Kirkland Street East, Kirkland Lake, Ontario

THE PURPOSE of the **virtual public meeting** will be to consider a proposed amendment to Zoning By-law 12-019 of the Town of Kirkland Lake pursuant to the provisions of Section 34 of the *Planning Act, R.S.O. 1990, Chapter P.13 (as amended)*.

ANY PERSON OR AGENCY may attend the virtual public meeting and/or make written or verbal representations either in support of or in opposition of the proposed by-laws.

If you wish to be notified of the decision of the Town of Kirkland Lake Council on the proposed zoning by-law amendment, you must make written request to the Clerk of the Town of Kirkland Lake at the address noted below.

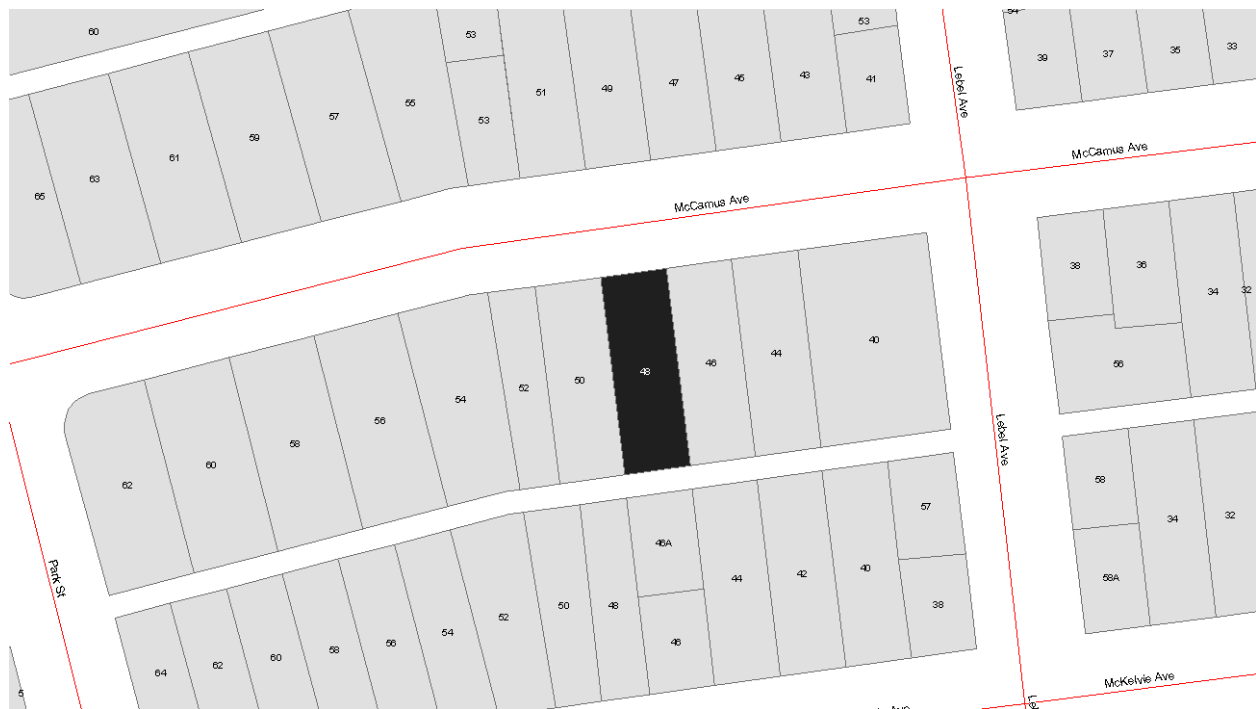
If a person or public body would otherwise have an ability to appeal the decision of the Council of the Town of Kirkland Lake to the Local Planning Appeal Tribunal but the person or public body does not make oral submissions at a public meeting or make written submissions to the Town of Kirkland Lake before the by-law is passed, the person or public body is not entitled to appeal the decision.

If a person or public body does not make oral submissions at a public meeting or make written submissions to the Town of Kirkland Lake before the by-law is passed, the person or public body may not be added as a party to the hearing of an appeal before the Local Planning Appeal Tribunal unless, in the opinion of the Board, there are reasonable grounds to do so.

ADDITIONAL INFORMATION is available for review at the Town of Kirkland Lake Physical Services Building during office hours (8:00 a.m. to 4:00 p.m. Monday to Friday). For further information, please contact Jenna McNaughton, Information Manager, at 705-567-9365 extension 343.

PURPOSE AND EFFECT

The applicant is proposing to rezone lands municipally known as 48 McCamus Avenue from “Residential Low to Medium Density (R2)” to “Residential Medium Density (R3)” for the purpose of recognizing the existing triplex as a permitted use within the Zoning By-law.





REPORT TO COUNCIL

Meeting Date: 6/2/2020	Report Number: 2020-DEV-027
Presented by: Ashley Bilodeau	Department: Development Services

REPORT TITLE

Zoning By-law Amendment - 48 McCamus Avenue

RECOMMENDATION(S)

BE IT RESOLVED THAT Report Number 2020-DEV-027 entitled “**Zoning By-law Amendment - 48 McCamus Avenue**”, be received, and

THAT staff be directed to prepare and present a By-law to Council to authorize the Corporation of the Town of Kirkland Lake to rezone 48 McCamus Avenue from “Residential Low to Medium Density (R2)” to “Residential Medium Density Special (R3 Sp.)”, with the following provisions:

- A minimum lot area of 446.0 square metres;
- A minimum frontage of 12.1 metres;
- A maximum lot coverage of 50%;
- A minimum front yard setback of 2.0 metres; and
- A minimum side yard setback of 0.6 metres.

BACKGROUND

An application was received from Norm Gannon for a zoning amendment on lands municipally known as 48 McCamus Avenue. The applicant is proposing to rezone the property from “Residential Low to Medium Density (R2)” to “Residential Medium Density Special (R3 Sp.)” for the purpose of recognizing the existing triplex as a permitted use under Zoning By-law 12-019.

Analysis

| Lot Dimension:

Lot Area	446.0 square metres
Lot Frontage	12.1 metres

Servicing: The existing triplex is serviced by municipally owned and operated sewage and water services.

Access: The property is accessed by a year round, publicly maintained road; McCamus Avenue.

Site Inspection: A site inspected was conducted by Jenna McNaughton on May 13, 2020.

R A T I O N A L E

Provincial Policy Statement 2020

Section 1.1.1 of the Provincial Policy Statement states that:

Healthy, liveable and safe communities are sustained by:

- (a) promoting efficient development and land use patterns which sustain the financial well-being of the Province and municipalities over the long-term;*
- (b) accommodating an appropriate affordable and market-based range and mix of residential types (including single-detached, additional dwelling units, multi-use housing, affordable housing and housing for older persons), employment (including industrial and commercial), institutional (including places of worship, cemeteries and long-term homes), recreation, park and open space, and other uses to meet long-term needs;*
- (e) promoting the integration of land use planning, growth management, transit-supportive development, intensification and infrastructure planning to achieve cost-effective development patterns, optimization of transit investments, and standards to minimize land consumption and servicing costs;”*

Section 1.1.3.5 of the Provincial Policy Statement states that:

Planning authorities shall establish and implement minimum targets for intensification and redevelopment within built-up areas, based on local conditions.

The proposed zoning amendment is consistent with the policies set out in the Provincial Policy Statement (PPS 2020).

Official Plan

The property is designated “Residential” in the Official Plan. Section 2.5.2.1 states that medium density housing, such as triplexes are permitted under the “Residential” designation.

The proposal complies with the regulations of the Town of Kirkland Lake’s Official Plan.

Zoning By-law 12-019

Current Zoning: Residential Low to Medium Density (R2)

Proposed Zoning: Residential Medium Density Special (R3 Sp.)

The applicant is proposing to recognize the existing triplex as a permitted use under the Zoning By-law. It is suggested that the zoning of the property be modified from “Residential Low to Medium Density (R2)” to “Residential Medium Density (R3)”.

Section 14.1 of the Zoning By-law states that the minimum lot area for a Triplex Dwelling is 555.0 square metres and the minimum lot frontage is 18.0 metres. The applicant is requesting a reduction to the minimum lot area from 555.0 square metres to the existing 446.0 square metres and a reduction to the minimum frontage from 18.0 metres to 12.1 metres. The applicant is further requesting an increase to the Minimum Lot Coverage from 45.0 percent to 50.0 percent, a reduction to the Minimum Front Yard Setback from 6.0 metres to 2.0 metres and a reduction of the east and west side yard setbacks from 3.0 metres to 0.6 metres. These exceptions are to reflect the placement of the existing building.

Summary

The applicant intends to sell the property and in order to prevent any issues with the sale due to legal non-conforming status, the applicant would like the use of the building to be recognized in accordance with the Zoning By-law.

A site visit revealed that there is an existing triplex on the property with driveway access from the laneway. The building would not meet the minimum setback requirements for the front and side yards, minimum lot frontage, minimum lot area or maximum lot coverage. These variances between what is permitted and what is existing are being requested to be recognized under this proposed zoning change.

OTHER ALTERNATIVES CONSIDERED

No other alternatives were considered.

FINANCIAL CONSIDERATIONS

There is an application fee of \$1,300 associated with this application.

RELATIONSHIP TO STRATEGIC PRIORITIES

There will be no change noted as a result of this Zoning By-law Amendment. This amendment is being requested by the owner to recognize the legal non-conforming use on the property.

ACCESSIBILITY CONSIDERATIONS

Not applicable.

CONSULTATIONS

The Notice of Public Meeting was sent on May 13, 2018 by First Class Mail to all assessed property owners within 120.0 metres of the subject property and to various agencies and municipal departments.

The notices were sent in accordance with the requirements of the Planning Act and Regulations thereto. No correspondence has been received to date.

The Planning Advisory Committee (PAC) met on May 28th, 2020. The PAC recommendation will be presented at the public meeting.

ATTACHMENTS

Attachment 1 – Subject Property Map and Ariel Imagery

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Attachment 1 – Subject Property





MINUTES

Corporation of the Town of Kirkland Lake
Regular Meeting of Council
Electronically via Zoom
May 19, 2020
4:40 p.m.

Attendance – Electronically

Mayor: Pat Kiely
Councillors: Rick Owen
Stacy Wight
Patrick Adams
Dennis Perrier
Eugene Ivanov
Casey Owens
Staff: Chief Administrative Officer: Ric McGee
Municipal Clerk: Meagan Elliott
Finance Manager/Treasurer: Keith Gorman
Director of Planning and Land Development: Ashley Bilodeau
Director of Community Services: Bonnie Sackrider
General Manager of Public Works: Michel Riberdy
Fire Chief: Rob Adair
Deputy Treasurer: Peter Georgeoff
Director of Care: Nancy Loach
Human Resources Supervisor: Kassandra Young

Call to Order and Moment of Silence

Mayor Pat Kiely requested a moment of silence.

Approval of the Agenda

Moved by: Patrick Adams
Seconded by: Rick Owen

BE IT RESOLVED THAT the Agenda for the Regular Meeting of Council held on May 19, 2020 beginning at 4:40 p.m. be approved as circulated to all Members of Council.

CARRIED

Declaration of Pecuniary Interest

Mayor Pat Kiely requested those present to declare any pecuniary interest with matters appearing on the agenda. None declared.

Petitions and Delegations

None noted.

Acceptance of Minutes and Recommendations

Moved by: Eugene Ivanov

Seconded by: Casey Owens

BE IT RESOLVED THAT Council accept the minutes of the following meetings:

- Minutes of the Regular Meeting of Council held May 5, 2020
- Minutes of the Special Meeting of Council held May 12, 2020

CARRIED

Reports of Municipal Officers and Communications

- 6.1 COVID-19 Update, Verbal
Richard McGee, CAO

Moved by: Stacy Wight

Seconded by: Dennis Perrier

BE IT RESOLVED THAT the verbal update titled “**COVID-19 Update**” be received.

CARRIED

- 6.2 Temporary Working From Home – Policy
Kassandra Young, Human Resources Supervisor

Moved by: Casey Owens

Seconded by: Patrick Adams

BE IT RESOLVED THAT the policy titled “Temporary Working From Home” be approved as presented.

CARRIED

- 6.3 Transition Date - Municipal Blue Box Program
Ashley Bilodeau, Manager of Land Development and Planning

Moved by: Dennis Perrier

Seconded by: Eugene Ivanov

BE IT RESOLVED THAT Report Number 2020-DEV-018 entitled “Transition Date - Municipal Blue Box Program”, be received,

THAT Council hereby resolves to establish September 30, 2023 as the transition date to full producer pay responsibility for the Municipal Blue Box Program,

THAT the Town of Kirkland Lake accepts no responsibility to provide collection services for the Producers, and

THAT staff be directed to forward a copy of the resolution to the Association of Municipalities of Ontario (AMO) and the Ministry of the Environment, Conservation and Parks (MECP).

CARRIED

- 6.4 Request to Purchase – 65 Government Road West
Ashley Bilodeau, Manager of Land Development and Planning

Moved by: Rick Owen

Seconded by: Stacy Wight

BE IT RESOLVED THAT Report Number 2020-DEV-021 entitled “Request to Purchase – 65 Government Road West”, **be received, and**

THAT staff present a By-law to Council to authorize the Corporation of the Town of Kirkland Lake to enter into an agreement of purchase and sale to sell 65 Government Road West to Boudreault Financial Group Inc. for a sale price of \$4,000.00.

CARRIED

- 6.5 Salvation Army – Request to Waive Tipping Fees
Ashley Bilodeau, Manager of Land Development and Planning

Moved by: Rick Owen

Seconded by: Dennis Perrier

BE IT RESOLVED THAT Report Number 2020-DEV-022 entitled “Salvation Army – Request to Waive Tipping Fees”, be received.

CARRIED

- 6.6 Council Strategic Plan – TKL 2020-2024
Ashley Bilodeau, Manager of Land Development and Planning

Moved by: Patrick Adams

Seconded by: Stacy Wight

BE IT RESOLVED THAT Report Number 2020-DEV-020 entitled “Council Strategic Plan – TKL 2020 - 2024”, be received, and

THAT this report be referred to the June 2, 2020 Regular Meeting of Council to allow Council adequate time to review and consider the adoption of the Strategic Plan.

CARRIED

- 6.7 Award of RFP-555-20: Service Delivery Review
Meagan Elliott, Clerk

Moved by: Eugene Ivanov

Seconded by: Dennis Perrier

BE IT RESOLVED THAT Report Number 2020-CLK-001 entitled “Award of RFP-555-20: Service Delivery Review” be received,

THAT Council hereby awards the contract to complete a Service Delivery Review for the Town of Kirkland Lake to WSCS Consulting Inc. in the amount of \$92,998.00 +HST,

THAT staff is hereby authorized to approve additional work as part of the Service Delivery Review to specifically identify cost savings and operational process improvements to a maximum project cost of \$117,000.00 including HST,

THAT the required monies in the amount of \$117,000.00 including HST be allocated from the Municipal Modernization Grant Fund, and

THAT staff be directed to present a bylaw to authorize the execution of an agreement with WSCS Consulting Inc. to conduct a Service Delivery Review for the Corporation of the Town of Kirkland Lake

CARRIED

Consideration of Notices of Motion

None noted.

Introduction, Reading and Consideration of Bylaws

Moved by: Rick Owen

Seconded by: Patrick Adams

BE IT RESOLVED THAT the following bylaw be read a first, second, and third time, numbered, passed, signed by the Mayor and the Clerk, and the Seal of the Corporation be affixed thereto;

Bylaw Number 20-046, being a Bylaw to Authorize the Mayor and Clerk to Execute a Maintenance Dig Agreements with Enbridge Gas Inc.

CARRIED

Moved by: Casey Owens

Seconded by: Eugene Ivanov

BE IT RESOLVED THAT the following bylaw be read a first, second, and third time, numbered, passed, signed by the Mayor and the Clerk, and the Seal of the Corporation be affixed thereto;

Bylaw Number 20-047, being a Bylaw to Authorize the Mayor and Clerk to Execute Documents related to the sale of a property located at 65 Government Road West to Boudreault Financial Group Inc.

CARRIED

Questions from Council to Staff

None noted.

Notice(s) of Motion

- 10.1 Dump Protocol
Councillor Stacy Wight

Councillor's Reports

None noted.

Additional Information

None noted.

Closed Session

Moved by: Dennis Perrier

Seconded by: Stacy Wight

BE IT RESOLVED THAT Council move into an In-Camera meeting pursuant to Section 239(2) to discuss 1 labour relations item, 2 proposed land disposition items, and 1 matter about identifiable individuals.

CARRIED

Council moved into closed at 5:15pm

- 13.1 Minutes of the In-Camera Meeting of Council held May 5, 2020
- 13.2 Volunteer Firefighter Memorandum of Understanding
Kassandra Young, Human Resources Supervisor
- 13.3 Request to Purchase Land
Ashley Bilodeau, Manager of Planning and Land Development
- 13.4 Request to Purchase Land
Ashley Bilodeau, Manager of Planning and Land Development
- 13.5 90 Day Update
Ric McGee, CAO

Matters from Closed Session

None noted.

Confirmation Bylaw

Moved by: Eugene Ivanov

Seconded by: Patrick Adams

BE IT RESOLVED THAT the following bylaw be read a first, second, and third time, numbered, passed, signed by the Mayor and the Clerk, and the Seal of the Corporation be affixed thereto;

Bylaw Number 20-048, being a bylaw to confirm the proceedings of Council at its meeting held May 19, 2020.

CARRIED

Adjournment

Moved by: Casey Owens

Seconded by: Dennis Perrier

BE IT RESOLVED THAT Council adjourn the May 19, 2020 Regular Meeting of Council.

CARRIED

The meeting adjourned at: 5:54 pm

Pat Kiely, Mayor

Meagan Elliott, Clerk

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MINUTES

Corporation of the Town of Kirkland Lake
Special Meeting of Council
Electronically via Zoom
May 26, 2020
4:40 p.m.

Attendance – Electronically

Mayor: Pat Kiely
Councillors: Rick Owen
Stacy Wight
Patrick Adams
Dennis Perrier
Eugene Ivanov
Casey Owens
Staff: Chief Administrative Officer: Ric McGee
Municipal Clerk: Meagan Elliott
Finance Manager/Treasurer: Keith Gorman
Director of Planning and Land Development: Ashley Bilodeau
Director of Community Services: Bonnie Sackrider
General Manager of Public Works: Michel Riberdy
Fire Chief: Rob Adair
Deputy Treasurer: Peter Georgeoff
Director of Care: Nancy Loach
Museum Facility Administrator: Kaitlyn McKay
MIS Coordinator: Shawna Ducharme

Call to Order and Moment of Silence

Mayor Pat Kiely requested a moment of silence.

Approval of the Agenda

Moved By: Patrick Adams

Seconded By: Eugene Ivanov

BE IT RESOLVED THAT the Agenda for the Special Meeting of Council held on May 26, 2020 beginning at 4:40 p.m. be approved as circulated to all Members of Council.

CARRIED

Declaration of Pecuniary Interest

Mayor Pat Kiely requested those present to declare any pecuniary interest with matters appearing on the agenda. Councillor Owen declared a pecuniary interest on item 4.1: Proposed 2020 Annual Budget Report and Presentation for discussions relating to water/wastewater.

Reports of Municipal Officers and Communications

4.1 Proposed 2020 Annual Budget Report and Presentation
Keith Gorman, Treasurer

Councillor Owen disabled his video/audio at 5:50pm
Councillor Owen enabled his video/audio at 5:54pm

Moved By: Casey Owens
Seconded By: Stacy Wight

BE IT RESOLVED THAT Memorandum Number 2020-FIN-003 entitled “**Proposed 2020 – Annual Budget Report and Presentation**” be received,

THAT the 2020 Consolidated Budget, including Capital Works in the amount of \$6.136M be recommended to Council for approval at the June 16, 2020 Regular Meeting of Council as presented by staff, including an overall tax levy increase consistent with the Consumer Price Index of 2.2% to the average assessed (\$103,821.00) residential property in the Town of Kirkland Lake

THAT staff be directed to issue notice in accordance with the Notification By-law that Council will consider the adoption of the Proposed 2020 Consolidated Estimate of Revenues and Expenditures for the Town of Kirkland Lake at the June 16, 2020 Regular Meeting of Council, and

THAT staff be directed to prepare and present a Tax Rate By-law to authorize the collection of the Final 2020 billings for presentation to Council at the June 16, 2020 Regular Meeting of Council.

CARRIED

Confirmation Bylaw

Moved By: Rick Owen
Seconded By: Dennis Perrier

BE IT RESOLVED THAT the following bylaw be read a first, second, and third time, numbered, passed, signed by the Mayor and the Clerk, and the Seal of the Corporation be affixed thereto;

Bylaw Number 20-048, being a bylaw to confirm the proceedings of Council at its meeting held May 26, 2020.

CARRIED

Special Meeting of Council
May 26, 2020

Adjournment

Moved By: Stacy Wight

Seconded By: Patrick Adams

BE IT RESOLVED THAT Council adjourn the May 26, 2020 Special Meeting of Council.

CARRIED

The meeting adjourned at: 6:16 pm

Pat Kiely, Mayor

Meagan Elliott, Clerk

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KIRKLAND LAKE PUBLIC LIBRARY BOARD

Minutes of the Thursday, February 20, 2020 Regular Meeting

1. **Call to Order:**

Board Chairperson Mrs. Bryce Day called the regular meeting of the Kirkland Lake Public Library Board to order at 5:00pm.

2. **Attendance:**

Present: Mrs. S. Orr, Mrs. S. Scott, Ms. J. Johnson, Mr. N. Guimond, Ms. S. Wight, Mrs. B. Day and Ms. C. Lafreniere, CEO / Secretary.

Regrets:

Mrs. J. Leduc
Ms. S. McGill

3. **Adoption of the Agenda:**

The Kirkland Lake Public Library Board approves the agenda for Thursday, February 20, 2020 as presented.

Moved by: Ms. S. Wight

Seconded by: Mr. N. Guimond

Carried.

4. **Adoption of the Minutes:**

Motion # 2020 – 08: The Kirkland Lake Public Library Board approves the minutes of Thursday, January 23, 2020 as presented.

Moved by: Mrs. S. Orr

Seconded by: Mrs. S. Darling

Carried.

5. **Business arising from the minutes:**

There was no business arising from the minutes.

6. **Adoption of the Bills and Accounts:**

We were not able to view the Bills and Accounts for the month of January at this time.

7. Correspondence:

- a. From: Melissa D'Onofrio-Jones, CEO Ontario Library Services North: Email indicating the InterLibrary Loan rebate rate for 2019 will now be \$2 per loan rebate. This is doubled from previous years.
- b. From: Claire Menard: donation of \$1000.00 in memory of Connie Ross, with a special request from Mrs. Menard.

8. Financial Reports:

- a. Royal Bank Statement: Mr. N. Guimond reported on the status of the Teck Centennial Library bank account for the period of December 24, 2019 to January 24, 2020.
- b. Royal Bank Statement: Mr. N. Guimond reported on the status of the Kirkland Lake Public Library Board account for the period of December 31, 2019 to January 31, 2020.
- c. Manulife Statement: Mr. N. Guimond reported on the status of the Miss Ball Trust which is invested with Manulife Investments.

9. Committee Reports:

- a. Policy Review and Updates:
There were no policies or updates to review at this time.
- b. Personnel:
Motion # 2020 – 09: The Kirkland Lake Public Library Board approves the hiring of a part-time library clerk.
Moved by: Mrs. S. Scott
Seconded by: Ms. S. Wight
Carried
- c. Property:
There was nothing to discuss regarding property at this time.

10. Strategic Plan Process:

The strategic plan is on-going throughout the month.

11. Librarian's Report and Statistics:Highlight:

Building:

- Fire safety check was conducted on January 17, 2020.

- On January 21, Dan Thomas replaced the window in the children's entrance door that was broken by the intruder.
- The Library was once again the target of theft; our large blue recycle bin was stolen sometime after January 18-19, 2020.

Business:

- 2019 was another very busy year at the Library. Community participation in Library Programming continues to be strong as seen by the statistics.
- Canada Post increased the cost to mail an InterLibrary Loan. The cost to send a book in Northern Ontario will now cost \$1.25 and to send a book to Southern Ontario will now cost the Library \$2.09. Without this rate, libraries would not be able to offer the ILL's to patron because to send a parcel would average \$15 to \$20 per item.
- I proctored 2 exams for RIBO in January.
- Weeding, shifting and organizing the adult fiction collection has been put on hold for a while, due to staff shortage.

Just the Facts:

- We added 15 new memberships in the month of January
- Our overall checkouts were up 3% compared to last year.
- We had 203 adults sign-on to our public workstations, and 333 children logged-on to our computers.
- We had 4 visits from the Early On group bringing in 48 caregivers and children.
- We offered 20 programs and over 419 children attended during January.
- Over 53 adults worked on our community puzzle or used our colouring pages.
- Over 2723 people walked through our doors in January.
- We assisted 2 out-of-town people with their genealogy requests.
- You asked, and we answered over 92 reference questions in December.

The Library Board reviewed the statistics for the month of January.

12. **Unfinished Business:**

- a. New Horizon's For Seniors Program: CEO is very happy to announce the New Horizon's for Seniors Program was approved in the amount of \$13,953.00 for the iLearn Seniors iPad training.

13. **New Business:**

- a. Resignation: The Library Board has another opening with the recent resignation from Shauna McGill. We wish her all the best in Prince Edward Island.

14. Date of Next Meeting:

The next regular scheduled meeting of the Kirkland Lake Public Library Board will take place on Thursday, March 19, 2020, at 5:00pm.

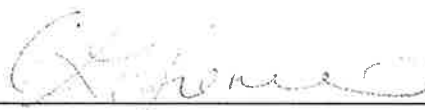
15. Adjournment:

Motion to adjourn: Ms. S. Wight

Meeting adjourned at: 5:40.m.



Board Chair, Mrs. Bryce Day



Secretary to the Board, Ms. C. Lafreniere

Date: May 14 2020

**BACK TO
TOP**

MEMORANDUM TO COUNCIL

Meeting Date: 6/2/2020	Memo Number: 2020-CLK-003
Presented by: Meagan Elliott	Department: Administration

MEMO TITLE

ECJV Request for Parade Permit

RECOMMENDATION(S)

BE IT RESOLVED THAT Memorandum Number 2020-CLK-003 entitled “**ECJV Request for Parade Permit**” be received,

THAT staff be directed to issue a Parade Permit to ECJV for June 17, 2020, and

THAT staff be directed to coordinate details with the applicant for the temporary road closure on Duncan Avenue.

BACKGROUND

École Catholique Jean-Vanier (ECJV) will host a drive-by graduation ceremony on June 17, 2020. Each student will be in a vehicle with their immediate family. They will drive by the front entrance of the school, where the student picks up their graduation diploma, bursary and gift bag. Then, the graduate will return to the vehicle, drive around the route and once all students have received their diplomas, they will all come back to park in front of the school in the round-about for the ceremony. The road closure requested is Duncan Avenue in front of the school for the ceremony (maximum 1 hour) and the corner of Duncan Avenue and 2nd Street East.

The Public Works Department and Fire Services have no concerns with this request.

ATTACHMENTS

Attachment 1 – ECJV Parade Permit Application

**BACK TO
TOP**

KIRKLAND LAKE

THE RIGHT ENVIRONMENT

APPLICATION TO HOLD A PARADE

TO: The Clerk
Corporation of the Town of Kirkland Lake
PO Bag 1757, Town Hall
Kirkland Lake ON P2N 3P4

Organization/Group Name:

ECJV

Address

Street/PO Box: 54 DUNCAN AVE S.

Town: KIRKLAND LAKE

Postal Code: P2N 1Y1

Contact Persons:

1. PAMELA PITTUI

2. JULIE GUERTIN

I/We the undersigned, hereby make application for a permit to hold a parade on:

Month: JUNE

Day: 17th

Year: 2020

Time the parade will start:

~~6:30~~ am pm

PARK

The parade route is as follows:

Beginning at: CORNER OF CHURCHILL/DUNCAN + O'MEARA/DUNCAN +

BLOCK OFF: UP DUNCAN - IN FRONT OF ECJV

OFF: CORNER OF DUNCAN/SECOND ST.

HAUDSON/DUNCAN

Estimated end time: 7:30

End Location: ECJV.

If a permit is granted it is agreed that I/We will conform to all regulations established by the Police and Physical Services Department and if ordered to do so will disperse at any time prior to the completion of the parade.

I/We further agree not to block or impede vehicular traffic or to hold any meetings or to delivery speeches on the streets or highway to the Municipality without prior permission to do so.

I/We further agree not to display or convey materials that are deemed offensive by Federal, Provincial or Municipal statute.

Names of Parade Committee Members: (please use back if necessary)

PAMELA PITTUI

Phone: 705-642-7454

JULIE GUERTIN

Phone:

Phone:

Signed on behalf of Committee

Please note: It is Council's policy that enclosed tow vehicles used in parades be occupied by two persons for the health and safety of the participants and spectators; and,

That a copy of the document "Making Safety a Part of Your Parade" be attached to all issued parade permits.



MEMORANDUM TO COUNCIL

Meeting Date: 6/2/2020

Memo Number: 2020-CLK-002

Presented by: Meagan Elliott

Department: Administration

MEMO TITLE

2020 User Fees

RECOMMENDATION(S)

BE IT RESOLVED THAT Memorandum Number 2020-CLK-002 entitled “**2020 User Fees**” be received,

THAT staff be directed to present a by-law to Council at the June 16, 2020 Regular Meeting of Council to establish the 2020 User Fees at the same level as the 2019 User Fees with the exception of “Blue Carts” to increase by \$5.00

THAT the 2020 User Fees include the addition of a licensing fee of \$250.00 for “Food Carts” on Schedule B – Administration Division,

THAT an additional Schedule C be added entitled “Equipment Rates”, and

THAT By-law Number 18-147, Being a By-law to Establish User Fees for 2019, be repealed.

BACKGROUND

User fees in the Town of Kirkland Lake are enacted by by-law. The current user fee by-law is By-law Number 18-147 with an amending by-law 19-124 which states the fees are in force and effect until June 30, 2020.

RATIONALE

As noted above, the current user fee by-law is only in force and effect until June 30, 2020. Staff recommends no increase to current user fees except for one item for the remainder of 2020 to assist residents during the COVID-19 Pandemic. The Blue Carts

listed under Waste Management require a \$5.00 increase to cover shipping costs. Staff will work on a comprehensive review of user fees for 2021.

There are however, two (2) items that need to be added prior to 2021. The additions are a fee for "Food Carts" of \$250.00 and a full list of "Equipment Rates" for the Public Works Department.

ATTACHMENTS

Attachment 1 – Proposed Equipment Rates

Attachment 2 – By-Law 18-147

**BACK TO
TOP**

TOWN OF KIRKLAND LAKE HOURLY RATES FOR VEHICLES / EQUIPMENT

DESCRIPTION	PROPOSED HOURLY RATE
1/2 TON TRUCK	\$ 36.45
3/4 TON TRUCK	\$ 37.75
2 TON TRUCK	\$ 60.75
5 TON DUMP TRUCK (Single Axle)	\$ 71.95
5 TON PLOW AND SANDER	\$ 125.75
5 TON PLOWTRUCK PLOW	\$ 125.75
10 TON TANDEM DUMP TRUCK	\$ 96.98
10 TON TANDEM DUMP TRUCK SANDER	\$ 125.75
TANDEM DECK-OVER FLAT BED (Utility Trailer)	\$ 20.25
4 CU.YD. LOADER & LM- 220 Snow Blower	\$ 292.80
VOLVO G960 GRADER	\$ 134.80
ELGIN PELICAN STREET SWEEPER	\$ 131.90
4X4 BACKHOE	\$ 75.80
4X4 BACKHOE & Asphalt Cutter	\$ 85.80
4X4 BACKHOE & Breaker Hoe Ram	\$ 115.75
2.5 CU. YD. LOADER	\$ 96.00
TRACKLESS MT with Attachments	\$ 80.00
GAS POWERED AIR COMPRESSOR	\$ 45.00
TRAFFIC LINE MARKER (Painting Machine)	\$ 35.00
ASPHALT ROLLER	\$ 25.00
THOMPSON BOILER (Steamer)	\$ 40.00
WACKER PLATE TAMPER - 12" Plate, Gas Powered	\$ 20.00
BOMAG BPR55/65 PACKER - 23" Plate, Diesel Powered	\$ 26.00
GENIE MANLIFT	\$ 37.50
4 CU.YD. LOADER	\$ 146.40
CUBE VAN	\$ 37.75
VACTOR 2100 + SEWER (Vacuum Truck)	\$ 339.50
PIPE THAW MACHINE	\$ 37.75
FLYGT & SUBERMISIBLE PUMP	\$ 25.00
RIGID 3/4 HP PIPE Cleaner	\$ 25.75
STHIL/HUSQVANA CUT OFF SAW	\$ 21.00
UNALLOCATED EQUIPMENT (Various Tools)	\$ 15.00


KIRKLAND LAKE
THE RIGHT ENVIRONMENT

The Corporation of the Town of Kirkland Lake

Bylaw 18-147

**A bylaw to list
2019 User Fee Schedules for the various
Departments of the Corporation**

WHEREAS Section 391(1) of the *Municipal Act RSO 2001, c.25, as amended* authorizes Council to pass bylaws imposing fees or charges for services or activities provided or done by or on behalf of the municipality and for the use of its property;

AND WHEREAS Section 69 of the *Planning Act, RSO 1990, Chapter P.13*, provides that Council may prescribe a tariff of fees for the processing applications made in respect of planning matters;

AND WHEREAS Section 7 of the *Building Code Act, SO, 1992, Chapter 23*, as amended, authorizes Council to pass bylaws requiring the payment of fees on application for and issuance of permits and prescribing the amounts thereof;

AND WHEREAS Section 23.1(1) of the *Municipal Act RSO 2001, c.25, as amended* permits Council by bylaw to delegate to an employee of the municipality any powers, duties or functions that are administrative in nature;


NOW THEREFORE The Council of the Corporation of the Town of Kirkland Lake hereby enacts as follows:

1. The fees and charges set out on the attached Schedules are hereby imposed and ratified. Set out as follows:


Schedule 'A'	Department of Community Services
Schedule 'B'	Department of Corporate Services
Schedule 'C'	Department of Physical Services
Schedule 'D'	Department of Economic Development & Tourism

2. All fees and charges set out in this bylaw shall be payable prior to the provision of the service unless an agreement in writing is made to the contrary and approved by a municipal official.
3. In the event any fee or charge imposed herein remains unpaid after provision of the service or is otherwise in arrears, such fees or charges may be added to the Tax Roll for any real property in the municipality, the owner of which is responsible for paying the fee or charge and shall be collected in like manner as municipal taxes.
4. Council does hereby delegate to each Department Manager of the Corporation of Town of Kirkland Lake, the authority to administer such fees and charges and approve such forms and procedures as may be required for the efficient administration of the fees and charges.
5. The fees set out in this Bylaw shall be reviewed on an annual basis by each department.
6. If there is a discrepancy in fee prices, the fees set out herein supersede any fees listed in other bylaws.
7. That this Bylaw takes effect on the day of its passing
8. And that Bylaw 18-056 be repealed.

READ a first second and third time enacted and passed this 18th day of December 2018.



Pat Kiely, Mayor



Jo Ann Ducharme, Clerk

Schedule 'A' to Bylaw 19-044 amending Bylaw 18-147
Department of Community Services
Joe Mavrinac Community Complex

July 1, 2019 - June 30, 2020

Resident Non-Resident

Memberships

Complex

1 Month	Student	\$57.15	\$68.58
	Senior	\$60.00	\$72.00
	Adult	\$80.00	\$96.00
	Family	\$169.60	\$203.52
3 Month	Student	\$137.15	\$164.58
	Senior	\$144.00	\$172.80
	Adult	\$192.00	\$230.40
	Family	\$407.04	\$488.45
6 Month	Student	\$334.81	\$401.77
	Senior	\$351.55	\$421.86
	Adult	\$468.73	\$562.48
	Family	\$993.71	\$1,192.45
1 Year	Student	\$478.30	\$573.96
	Senior	\$502.22	\$602.66
	Adult	\$669.62	\$803.54
	Family	\$1,419.59	\$1,703.51

Pool

1 Month	Student	\$31.25	\$37.50
	Senior	\$32.81	\$39.37
	Adult	\$43.75	\$52.50
	Family	\$92.75	\$111.30
3 Month	Student	\$75.01	\$90.01
	Senior	\$78.76	\$94.51
	Adult	\$105.01	\$126.01
	Family	\$222.62	\$267.14
1 Year	Student	\$210.02	\$252.02
	Senior	\$220.52	\$264.63
	Adult	\$294.03	\$352.84
	Family	\$623.34	\$748.01
Day Rate	Student/Senior	\$4.42	
	Adult	\$5.53	
	Family	\$15.49	

Squash

Day Rate	Student/Senior	\$2.00	
	Adult	\$2.00	

Fitness

1 Month	Student	\$44.78	\$53.74
	Senior	\$47.01	\$56.42
	Adult	\$62.69	\$75.22
	Family	\$132.90	\$159.48
3 Month	Student	\$107.46	\$128.95
	Senior	\$112.83	\$135.40
	Adult	\$150.44	\$180.53
	Family	\$318.93	\$382.72
1 Year	Student	\$300.89	\$361.07
	Senior	\$315.93	\$379.12
	Adult	\$421.24	\$505.49
	Family	\$893.03	\$1,071.64
Day Rate	Student/Senior	\$6.64	
	Adult	\$8.85	

Christmas Student Fitness Special	\$30.00	\$36.00
Summer Student Fitness Special (Buy 3 months - get 1 month f	\$107.46	\$128.95

Gym Passes

Youth Passes (12)	\$66.40	\$79.68
Adult Passes (12)	\$88.50	\$106.20

Fitness Classes

30 Minute Class	\$5.25	\$6.30
45 - 60 Minute Class	\$7.25	\$8.70
Pay as you go classes	\$9.73	\$11.68
Private Fitness Class / Class	\$50.00	\$60.00
Fitness Class Passes (12)	\$99.25	\$119.10

Personal Training

1 appointment - member	\$30.00	\$36.00
	\$39.00	\$46.80
3 appointments-member	\$85.00	\$102.00
	\$110.00	\$132.00

July 1, 2019 - June 30, 2020

	Resident	Non-Resident
6 appointments-member	\$160.00	\$192.00
non-member	\$208.00	\$249.60
2 x 3 Training (members)	\$59.50	\$71.40
2 x 3 Training (non-members)	\$110.00	\$132.00
<u>Fitness Assessment</u>		
Personal Fitness Plan-member	\$80.00	\$96.00
non member	\$100.00	\$120.00
<u>Swim Lessons</u>		
9 Lessons		
1/2 hour	\$56.00	\$67.20
45 minutes	\$73.00	\$87.60
Swim Patrol	\$80.47	\$96.56
Private Swim Lessons	\$99.00	\$118.80
Semi-Private Lessons	\$71.00	\$85.20
Bronze Star	\$76.47	\$91.76
Exam Fee		\$10.05
Bronze Medallion & E.F.A.	\$79.07	\$94.88
Exam Fee		\$26.30
Canadian Lifesaving Manual + Br Med Workbook		\$53.45
Bronze Cross & S.F.A.	\$112.36	\$134.83
Exam Fee		\$39.30
Canadian First Aid Manual+ Bronze Cross Workbook		\$20.68
NLS Course	\$244.49	\$293.39
NLS Recert	\$60.73	\$72.88
Instructor Course	\$244.49	\$293.39
Master Swim fee/practice	adult swim rate	
<u>Pool Rentals</u>		
Regular Groups - 1 hour (all pools including slide-less than 30)	\$155.23	\$186.28
Regular Groups - 1 hour (both pools no slide - less than 30)	\$112.57	\$135.08
Regular Groups - 1 hour (1 pool only no slide)	\$94.57	\$113.48
Regular Groups - 1 hour, both pools, more than 30, slide	\$191.23	\$229.48
Cost of slide on top of hourly pool rental	\$40.00	\$48.00
Non Prime -25% less of regular group rental rate		
Swim Club	\$70.93	\$85.11
Early Morning Swim Club Shared pool (50% off rate)	\$35.47	\$42.56
Additional Guard		\$21.50
<u>Swim Passes</u>		
Youth Passes (12)	\$44.20	\$53.04
Adult Passes (12)	\$55.30	\$66.36
Family Passes (12)	\$154.90	\$185.88
<u>Birthday Parties - Pool</u>		
All pools including slide		
12 children or less	\$229.43	\$275.32
13-18 people	\$243.43	\$292.12
19-24 people	\$257.43	\$308.92
25-30 people	\$271.43	\$325.72
31-40 people	\$285.43	\$342.52
One pool only - no slide		
12 children or less	\$175.74	\$210.89
13-18 people	\$189.74	\$227.69
19-24 people	\$203.74	\$244.49
25-30 people	\$217.74	\$261.29
31-40 people	\$231.74	\$278.09
<u>Birthday Parties - Ice</u>		
12 children or less	\$188.18	\$225.82
13-18 people	\$202.18	\$242.62
19-24 people	\$216.18	\$259.42
25-34 people	\$230.18	\$276.22
<u>Babysitters Course</u>	\$72.00	\$86.40
<u>First Aid Courses</u>		
Standard + CPR "C"+AED	\$140.00	\$168.00
Standard + CPR "C"+AED Retrain	\$87.00	\$104.40
<u>Arena Rental Rates</u>		
Prime Time - Adult	\$140.57	\$168.68
Prime Time - Student	\$105.43	\$126.51
Non Prime - Adult (25% discount)	\$105.43	\$126.51
Non Prime - Student (25% discount)	\$79.07	\$94.88
Last Minute Ice -50% discount of prime - Adult	\$70.29	\$84.34
Last Minute Ice -50% discount of prime - Student	\$52.71	\$63.26
Pick-up Hockey	\$7.08	\$8.50
Pick-up Hockey Passes (Book of 12)	\$70.80	\$84.96
Twoonie Skate	\$1.77	\$2.12

July 1, 2019 - June 30, 2020

	Resident	Non-Resident
<u>Storage Rooms</u>		
Youth per square foot	\$4.25	\$5.10
Adult per square foot	\$6.00	\$7.20
Arena Storage Lockers	\$100.00	\$120.00
<u>Baseball Diamond Fees</u>		
League Games - adult	\$51.15	\$61.38
League game - youth	\$37.61	\$45.13
TKL Baseball League (Team rate / 8 week season)	\$309.75	\$371.70
<u>Room Rental (Blue Line, Arts & Crafts, Board Room)</u>		
Per hour (+clean up)	\$50.00	\$60.00
Per day (+clean up)	\$125.00	\$150.00
Wooden Chair Rental - on site	\$1.00	\$1.20
Table Rental - on site	\$20.00	\$24.00
Local Service Club Meetings (non-profit)	\$25.00	\$30.00
Power Point Projector	n/a	
<u>Arena Floor Rental Rates</u>		
Non-profit Charitable Group (+ set up + clean up + staff)	\$254.46	\$305.35
Local Commercial or Pubs-ticketed event (+ set up + clean up + staff)	\$875.67	\$1,050.80
Out of Town Commercial Use Circus etc (+ set up + clean up + staff)		\$1,803.88
<u>Civic Park</u>		
Non-profit Charitable Group (cost to public) (+ set up + clean up + staff)	\$254.46	\$305.35
Local Commercial or Pubs - ticketed event (+ set up + clean up + staff)	\$875.67	\$1,050.80
Non-profit Charitable Group (free to public) (+ set up + clean up + staff)		\$0.00
Private event (commercial or non-commercial) (+ set up + clean up + staff)		Actual
Per Hour	\$100.00	\$120.00
Per Day	\$450.00	\$540.00
Baseball Field		
Adult	\$51.15	\$61.38
Youth	\$37.61	\$45.13
Pavillion		
Adult	\$34.80	\$41.76
Youth	\$26.10	\$31.32
Multi-Purpose Court		
Adult	\$34.80	\$41.76
Youth	\$26.10	\$31.32
Food Market Vendors		
Season vendor	\$175.00	\$210.00
Per week	\$15.00	\$18.00
<u>Locker Rentals (existing changerooms)</u>		
3 Months	\$50.00	\$60.00
1 Year	\$100.00	\$120.00
<u>Day Camp</u>		
1 child	\$130.00	\$156.00
2 children	\$234.00	\$280.80
3 children	n/a	
Day Rate		
1 child	\$35.00	\$42.00
2 children	\$63.00	\$75.60
3 children	n/a	

Memorial Benches \$2,000.00

Seniors - 65 years of age and older

20% surcharge on non-residents for registered programming, rentals and memberships

All renters must provide insurance. Insurance may be purchased through the town if required. Rates are set by insurance company and are based on type of event and number of people.

Staff costs are charged back to the user group at actual wage plus benefits.

Sports Tourism not to be passed with user fees, but to be discussed as a separate item.

**SCHEDULE 'B' to Bylaw 18-147
DEPARTMENT OF CORPORATE SERVICES**

Animal Control

2018

Dogs* Per day for each day dog is impounded \$30.00

Cats* Per Day for each day cat is impounded \$20.00

* plus veterinary fees incurred.

Dog Licences -- Expire December 31 of each year

Dog Tag - metal \$35.00

Replacement Tag \$6.00

Senior Citizens -- upon presentation of a card issued by the Federal Government to persons sixty-five (65) years of age or more. \$15.00

Dog Spayed or Neutered -- upon presentation of documentation from a Doctor of Veterinarian Medicine \$20.00

Cat Registration -- Expire December 31 of each year

Cat Tag - metal \$35.00

Replacement Tag \$6.00

Senior Citizens -- upon presentation of a card issued by the Federal Government to persons sixty-five (65) years of age or more. \$15.00

Cat Spayed or Neutered -- upon presentation of documentation from a Doctor of Veterinarian Medicine \$20.00

**SCHEDULE 'B' to Bylaw 18-147
DEPARTMENT OF CORPORATE SERVICE**

Administration Division

2018

Certified True Copies	\$20.00
Commissioner of Oath	\$20.00
Burial Permits	\$30.00
Burial Permits -- Out of Province	n/a
Business Licences	
Public Hall -- nonprofit	n/a
Public Hall	n/a
Rooming House	n/a
Hawker & Peddler	
1st Time Commercial Business Application	\$5,000.00
Subsequent (Consecutive) Years Application	\$1,000.00
Mobile Refreshment Vehicle	\$1,000.00
Lottery Licences - Raffle	3% of prize value
Lottery Licences - Break Open Tickets	3% of prize value
Lottery Licences - Bingo	\$83/session
Marriage Licences	\$125.00
Marriage Solemnization Ceremony - Civil Service	
Civil Marriage Ceremony (\$60 non-refundable deposit)	\$250.00
Rehearsal Attendance	\$50.00
Out-of Town Travel	\$50.00
Closed Meeting Investigator -- (Fee will be reimbursed if Municipality is found at fault.)	n/a

Treasury Division

NSF Cheques	\$40.00
Tax Certificates	\$70.00
Tax/Water Letter	\$10.00
Tax Registration for Vacant and Improved Land	\$1,000.00

**SCHEDULE 'B' to Bylaw 18-147
DEPARTMENT OF CORPORATE SERVICES
W.G TAYLOR FIRE DEPARTMENT**

2018

Inspection of Day Care facilities and Nursing Homes (not owned by the municipality)	\$	80.00
Inspection of buildings for sale requesting retrofit letter of compliance. Requests must come from owner or solicitor acting on behalf of the owner.	\$	75.00
Each follow-up inspection to verify correction of violations noted during requested retrofit inspection. (as noted above)	\$	50.00
Administrative Services for on file records for insurance companies, lawyers and real estate companies, etc	\$	75.00
Approval of safety plans (required under Ontario Fire Code). Including a review of applicant's plan, suggested improvements and final acceptance	\$	85.00
Clean-up of hazardous materials (invoiced for material i.e. Oclansorb)		Actual cost
False Alarm Response, i.e. alarm systems (Fire\$ CO), sprinkler systems and elevators		
		1st Alarm No fee
		2nd Alarm within the same calendar year \$ 150.00
		3rd Alarm within the same calendar year \$ 250.00
		4th Alarm within the same calendar year \$ 350.00
		Each additional \$ 400.00
Vehicle accident responses in the Municipality of Kirkland Lake for non-residents	\$	365.00
Training other agencies (per hour/fire fighter)	\$	50.00
Inspections required under the Ontario Fire Code, i.e. liquor license application, vendors permit	\$	80.00
S.C.U.B.A. refill	\$	17.00
S.C.B.A. refill	\$	12.00
Motor Vehicle Response - Provincial Highways	\$	450.00
Non- Resident Motor Vehicle Rtesponse	\$	450.00

Schedule "C" to By-law 18-147

Department of Physical Services

Airport

2019

1 Landing Fee			
1.1	0-2000 kg		\$ 18.50
1.2	0-2000 kg (if buying fuel)		\$ -
1.3	2001-5000 kg		\$ 43.00
1.4	5001 kg and over		\$ 51.50
1.5	Helicopter		\$ 44.00
1.6	Turbo Fan		\$ 158.00
1.7	Air Ambulance		\$ 300.00
2 Parking Fees			
2.1		daily	\$ 13.50
2.2	Parking Fee - 0-2000 kg	monthly	\$ 85.00
2.3		yearly	\$ 590.00
2.4		daily	\$ 22.00
2.5	Parking Fee 2000-5001 kg	monthly	\$ 138.00
2.6		yearly	\$ 1,020.00
2.7		daily	\$ 28.50
2.8	Parking Fee - over5000 kg	monthly	\$ 425.00
2.9		yearly	\$ 1,575.00
3 Hangar Fees			
3.1		daily	\$ 0.42
3.2	Per Square Metre	monthly	\$ 2.30
3.3		yearly	\$ 18.30
4 Rentals			
4.1		daily	\$ 28.75
4.2	Hangar Office	monthly	\$ 138.00
4.3		yearly	\$ 408.00
4.4	Land Lease for Hangar	yearly	\$ 880.00
5	Special Occasion	daily	\$ 410.00
6	Single Plug-In (each) - per day		\$ 13.50
7 Call-Out Charge			
7.1	Summer		\$ 150.00
7.2	Winter (Nov 1 to Apr 30) - Surface Conditions		\$ 290.00
7.3	Winter (Nov 1 to Apr 30) - Plowing		\$ 560.00
8	Stand By Fee	hourly	\$ 58.77
9	Airside Vehicle Operator Permit	annually	\$ 130.00
10	Aviation Av-Gas Mark-Up	per litre	\$ 0.53
11	Aviation Jet Fuel Mark-Up	per litre	\$ 0.42

Schedule "C" to By-law 18-147

Department of Physical Services

Building

2019

1 Residential Permit	
1.1 Per \$1,000 Value	\$ 9.05
1.2 Minimum	\$ 210.00
1.3 Minimum - New Build	\$ 1,855.00
2 Accessory Building Permit	
2.1 Per \$1,000 Value	\$ 9.05
2.2 Minimum	\$ 210.00
3 Group "A", "B", "D", "E", "F" Use Permit	
3.1 Per \$1,000 Value	\$ 9.05
3.2 Minimum	\$ 230.00
4 Demolition Permit	
4.1 Per \$1,000 Value	\$ 9.05
4.2 Minimum	\$ 130.00
5 Plumbing Permit	
5.1 Per \$1,000 Value	\$ 9.05
5.2 Minimum	\$ 220.00
6 Partial or Revised Permit	
6.1 Per \$1,000 Value	\$ 9.05
6.2 Minimum	\$ 155.00
7 Conditional Permit	
7.1 Per \$1,000 Value	\$ 9.20
7.2 Minimum	\$ 155.00
8 Change of Use Permit	
8.1 Per \$1,000 Value	\$ 9.20
8.2 Minimum	\$ 220.00
9 Restricted Permit	\$ 155.00
10 Sign Permit	
10.1 Per \$1,000 Value	\$ 9.05
10.2 Minimum	\$ 160.00
11 Fee for any of the above permits if construction started prior to a permit being issued	Double Fee
Fee for any final/occupancy permits within	
12 48 hours of inspection	\$ 85.00
13 Inspection for Permit > 3 years old	
13.1 Commercial	\$ 125.00
13.2 Additions	\$ 100.00
13.3 Accessory Structures	\$ 85.00

Schedule "C" to By-law 18-147

Department of Physical Services

Cemetery

2019

1 Residents		
1.1 Single Grave		\$ 1,125.00
1.2 Adult Burial		\$ 975.00
1.3 Cremation Grave		\$ 560.00
1.4 Cremation Burial		\$ 577.00
1.5 Scattering Gardens		\$ 422.00
1.6 Scattering Gardens Marker		\$ 324.00
2 Non-Residents		
2.1 Single Grave		\$ 1,485.00
2.2 Adult Burial		\$ 1,250.00
2.3 Cremation Grave		\$ 790.00
2.4 Cremation Burial		\$ 793.00
3 Child/Infant		
3.1 Child Grave		\$ 412.00
3.2 Child Interment		\$ 500.00
3.3 Infant Grave		\$ 285.00
3.4 Infant Interment		\$ 375.00
4 Monument Foundation		
4.1 Single		\$ 350.00
4.2 Double		\$ 490.00
4.3 Markers		\$ 145.00
4.4 Corner Posts		\$ 145.00
5 Other Fees		
5.1 Vault Storage (if buried elsewhere)		\$ 785.00
5.2 Steel Vaults/Rough Boxes (extra)		\$ 435.00
5.3 Saturday Burial (extra)		\$ 435.00
5.4 Saturday Cremation Burial (extra)		\$ 225.00
5.5 Saturday Vault Storage (extra)		\$ 275.00
5.6 Spring Burial (extra)		\$ 175.00
5.7 Double Depth Burial (extra)		\$ 445.00
5.8 Transfer of Interment Rights		\$ 165.00
5.9 Replace Lost Interment Rights Certificate		\$ 92.00
5.10 Memorial Granite Bench		\$ 780.00
5.11 After Hours Fee (Cremation)	per hour	\$ 63.00
5.12 After Hours Fee (Caskets)	per hour	\$ 125.00
5.13 Special Services		
Geneological Research	per hour	\$ 59.00
Tree Trimming	per hour	\$ 59.00
Cleaning Flat or Pillow		\$ 60.00
Cleaning Upright		\$ 87.00
Concrete Garden Edger		\$ 212.00
6 Disinterment		
6.1 Casket		\$ 2,335.00
6.2 Ashes		\$ 450.00
7 Columbarium		
7.1 Interment - Ashes		\$ 300.00
7.2 Disinterment - Ashes		\$ 300.00
7.3 Inscription (per niche)		\$ 585.00
7.4 Niche Only (inscription and interment extra)	Level	
	F	\$ 1,500.00
	E	\$ 1,650.00
	D	\$ 1,854.00
	C	\$ 1,854.00
	B	\$ 1,650.00
	A	\$ 1,500.00
7.5 Family 2-Unit Niche		Actual Costs
8 Non-Residents		
8.1 Interment - Ashes		\$ 380.00
8.2 Disinterment - Ashes		\$ 380.00
8.3 Inscription (per niche)		\$ 584.00
8.4 Niche Only (inscription and interment extra)	Level	
	F	\$ 1,900.00
	E	\$ 2,065.00
	D	\$ 2,270.00
	C	\$ 2,270.00
	B	\$ 2,065.00
	A	\$ 1,910.00

Schedule "C" to By-law 18-147

Department of Physical Services

Planning

2019

1 Planning Act Applications

1.1 Minor Variance	\$ 540.00
1.2 Consent to Sever	\$ 440.00
Parkland Dedication (Payment-in-lieu) - Residential	5% of AV
Parkland Dedication (Payment-in-lieu) - Other	2% of AV
Consent Agreements	\$ 305.00
1.3 Zoning Compliance Letter (per roll number)	
Regular	\$ 170.00
Urgent (3 days or less)	\$ 335.00
1.4 Site Plan Control Agreements (includes registration)	
Residential	\$ 1,800.00
Other	\$ 2,100.00
Amendment	\$ 1,500.00
1.5 Zoning Amendment	
Minor (temporary, lifting of H, R1 to R2, addition of permitted use)	\$ 1,300.00
Major (everything else)	\$ 1,800.00
1.6 Official Plan Amendment	\$ 1,800.00
1.7 Peer Review of Document submitted for Planning Act Process	cost recovery
1.8 Combined Zoning and Official Plan Amendment	\$ 3,200.00
1.9 Deeming By-law (includes registration)	\$ 800.00
1.10 Plan of Subdivision	\$ 2,000.00
1.11 Validation of Title	\$ 600.00
1.12 Release Agreement	\$ 160.00

2 Leases & Encroachments

2.1 Application Fee	\$ 205.00
2.2 Development of Agreement	\$ 355.00
2.3 Annual Fee (based on 3.0m x 12.0m [36 sq.m.])	\$ 146.00
Per 10 sq. m over 36 sq. m	\$ 6.00

3 Land Sales

3.1 Surplus Land Proposal (Administration Fee)	\$ 185.00
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4 Heritage

4.1 Heritage Property Listing Application	\$ 475.00
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5 Permits

5.1 Signs	\$ 78.00
5.2 Fences	\$ 78.00
	daily
	\$ 15.00
5.3 Road Occupancy Permit	weekly
	\$ 75.00
	monthly
	\$ 150.00

6 Office Admin

6.1 Photocopying	
letter or legal (B&W)	\$ 0.25
letter or legal (colour)	\$ 0.35
tabloid (B&W)	\$ 0.55
tabloid (colour)	\$ 1.05
6.2 Prints	
under .56 sq m (B&W)	\$ 7.25
over .56 sq m (B&W)	\$ 13.80
under .56 sq m (colour)	\$ 10.00
over .56 sq m (colour)	\$ 15.00
6.3 Digital Info on CD	\$ 130.00
6.4 Zoning or OP Documents (Including Schedules) - PRINT	\$ 130.00
6.5 Zoning or OP Documents (Including Schedules) - CD/USB	\$ 80.00

Schedule "C" to By-law 18-147
Department of Physical Services
Waste Management

2019

1 Disposal		
1.1 All Waste	per m ³	\$ 13.75
2 Exceptions		
2.1 Residential Private - up to 2 m3	per load	\$ 13.75
2.2 Garbage Bag	per bag	\$ 3.00
2.3 Contaminated Waste	per m ³	\$ 31.00
2.4 Clean Wood	per m ³	\$ 4.50
2.5 Scrap Metal	per m ³	\$ 4.50
2.6 Ash	per m ³	\$ 13.75
2.7 Refrigerant Containing Appliances	per unit	\$ 40.00
3 Available for Purchase		
3.1 Blue Box	per unit	\$ 5.00
3.2 Composters	per unit	\$ 60.00
3.3 Rain Barrels	per unit	\$ 70.00
3.4 Blue Carts (95 Gallon)	per unit	\$ 65.00

ADMINISTRATION FEES

Research Fee per 1/2 hour (1st half hour is free)	\$25.50
Photo paper reproduction / image up to 8" x 10"	\$25.50
Photo paper reproduction / image up to 11" x 14"	\$30.50
Photo paper reproduction / image up to 12" x 16"	\$35.50
Computer/Photocopy Printouts with rental (Black & White)	\$0.25
Computer/Photocopy Printouts without rental (Black & White)	\$0.15
Computer/Photocopy Printouts without rental (Colour)	\$0.45
Computer/Photocopy Printouts with rental (Colour)	\$0.35

RENTALS (all room rentals include use and set up of tables, chairs, A/V and Pitchers of Water w/Glasses)

Kitchen and Caterer Prep Room Per Hour	\$15.50
Grounds Rental Daily	\$55.50
Conference Room 1 OR 2 Half Day (5 hours or less)	\$135.00
Conference Room 1 OR 2 Full Day (Up to 10 hours)	\$192.00
Conference Room 1 AND 2 Half Day (5 hours or less)	\$217.00
Conference Room 1 AND 2 Full Day (Up to 10 hours)	\$313.00
Lounge Half Day (Up to 5 hours)	\$111.00
Lounge Full Day (Up to 10 hours)	\$192.00
Theater Half Day (5 hours or less)	\$212.00
Theater Full Day (Up to 10 hours)	\$313.00
Banquet Hall (Up to 10 hours)	\$465.00
Exhibition Hall (Up to 10 hours)	\$465.00
Banquet and Exhibition Halls (Up to 10 hours)	\$828.00
Banquet Hall, Exhibition Hall and Theater (Up to 10 hours)	\$1,035.00
Exhibition Hall and Theater (Up to 10 hours)	\$682.00
Full Building Half Day (5 hours or less)	\$1,010.00
Full Building Full Day (Up to 10 hours)	\$1,545.00
Caterer Fee (billed to caterer following rental if kitchen does not pass staff inspection)	\$106.00
Additional Set up of room (if renter wants to change the room from one layout to another in same event)	\$156.00

EQUIPMENT

Square Overlay	\$3.00
Chair Cover and Sash	\$2.50
Table Cloth (round or rectangular)	\$9.00
HN Staff Decorating: For additional set up beyond standard of tables, chairs and tablecloths	\$126.00
Use of Room for Set-Up 2 or more days before rental Per Day	\$101.00
Use of HN Dishes	\$1.50
Conference Phone	\$15.00
Linen Napkins	\$2.00

CLEANING FEES

Facility Clean Up Post-Rental (excludes clean up of renter's personal items)	\$50.00/hour
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CATERING

Coffee Thermos (12 cup thermos, includes cream, sugar, napkins)	\$10.00
Tea bag	\$0.50
Bottle of Pop/Juice	\$1.50
Canned Pop/Juice	\$1.50
2 L Bottle Pop	\$3.00
Juice in Jug	\$2.50

CONFERENCE BREAKS

Food, beverages, packaging supplies or other items organized by HN staff	20% above Cost Price
Hot dogs (per serving)	\$2.00
Popcorn (per serving)	\$1.45

OTHER

SOCAN Fee	Charged to the renter
Non-profit group rate off of room rental fee	25% off
Fee for rentals surpassing 10 hours (charged for each additional hour)	\$45.00
Government Pricing (room rental fee for funerals, wakes, celebration of life)	20% off
Rental on Stat Holiday	Additional 25%

* The above rates do not include HST.

BAR

<i>Taxes Included</i>	
Domestic Beer	\$5.25
Coolers	\$5.75
Glass of Wine	\$6.00
Bottle of Wine	\$30.00
Spirits/Oz	\$5.25
Premium Spirits/Oz	\$6.00
Use of HN Bar for under 50 people	\$75.00
Table Wine	Cost plus additional \$5.00/bottle

Special orders may be subject to an increase in price

ADMISSIONS		Rates do not include HST
Adults		\$6.10
Seniors (65+)		\$4.10
Students (Must present valid school ID, 10 students = 1 Teacher Free)		\$4.10
Children (5 & under)		FREE
Family Rate (4 people in family)		\$15.30
Group rate (per person; 5 people and above)		\$4.10
Admission to Opening Reception	By Donation	
Activity & Programming Fee (per student - covers programming, crafts, activities, etc)		\$8.15
GOLD PASS Membership - Provides free admission and access to Gallery Openings, 5% discount in Gift Shop, 10%/15% off room rental, a copy of seasonal newsletter (depending on membership category), early access to special events and activities (Craft Sale, Book Sale, etc)		
Single Membership		\$35.00
Family/Groups of Five Membership		\$50.00
Student Membership (must present valid school ID)		\$25.00
Group Membership (can be used for 20 people and under at one time)		\$85.00
Business Membership (for 20 people and over)		\$145.00
RESEARCH SERVICES		
Research fee per 1/2 hour (1st half hour is free)		\$25.50
Digital Reproductions - Offsite Credit/Debit Transactions (Minimum \$ - up to 3 Images)		\$10.00
On CD/DVD/USB/Email - proof send with watermark		
(prices subject to shipping and handling and material costs)		
Digital Reproductions - Cash Transactions (on-site) - per 1 Image		\$3.10
Photo paper reproduction / image up to 8" x 10"		\$25.00
Administration Fee for offsite digital reproductions (materials billed at cost)		\$10.00
Digital Scanning Service (prices per page or image)		\$0.25
Computer/Photocopy Printouts without rental (Black & White)		\$0.25
Computer/Photocopy Printouts with rental (Black & White)		\$0.20
Computer/Photocopy Printouts with rental (Colour)		0.35
Computer/Photocopy Printouts without rental (Colour)		0.45
Standard Shipping and Handling		\$3.05
Shipping and Handling on larger items (excess packing materials billed at cost)		\$10.00
RENTALS (all room rentals include use of tables, chairs, water and glasses)		
Full Building Rental (Half Day - 5 hours or less)		\$555.00
Full Building Rental (Full Day - up to 10 hours)		\$752.00
<i>(Full Building includes Billiard Room, Gallery, Dining Room Parlour, Music Room and Kitchen)</i>		
Gallery - Half Day (5 hours or less)		\$222.00
Gallery - Full Day (Up to 10 hours)		\$303.00
Billiard Room - Half Day (5 hours or less)		\$192.00
Billiard Room - Full Day (Up to 10 hours)		\$272.00
Gallery and Billiard Room (5 hours or less)		\$309.00
Gallery and Billiard Room (Up to 10 hours)		\$415.00
Music Room (5 hours or less)		\$146.00
Music Room (Up to 10 hours)		\$207.00
Dining Room & Parlour (After Hours)		\$106.00
Opening Reception (Sunday Fee ONLY - Max. 4 hours, including prep & clean up)		\$85.50
Workshop Rental (Full Day, Classroom Style, Tables & Chairs Only)		\$151.00
Workshop Rental (Two Full Days, Classroom Style, Tables & Chairs Only)		\$227.00
All protection materials for carpet to be supplied by the renter		
Photo Session (2 hours)		\$60.00
Kitchen Only (Full service kitchen includes the usage of preparation spaces and dishwasher)		\$15.50
Grounds Rental Only		\$56.00
Offsite Table Rental (Daily)		\$4.00
Offsite Chair Rental (Daily)		\$1.50
Offsite Chair & Table Rental (Weekly)		\$65.00
Caterer Fee (billed following rental if kitchen does not pass staff inspection)		\$106.00
PACKAGES		
Dining Room and Parlour Party Package (includes Dining Room & Parlour and Kitchen Use)		\$156.00
LINEN & SETTINGS		
Place Settings (Cutlery, Wine Glasses, Dinner & Dessert Plates, Bowls, Coffee Mugs) per person		\$1.50
Square overlay		\$3.50
Tablecloths (round or rectangular)		\$9.00
CLEANING FEE: Facility Clean Up Post Rental (excludes clean up of renter's personal items)		
Cleaning fee for Dining Room and Parlour		\$25.00
Cleaning fee for Billiard Room OR Gallery		\$35.00
Cleaning fee for Billiard Room AND Gallery		\$45.00
A/V EQUIPMENT		
Fee for use of any A/V equipment (use of overhead projector, screen, microphone, TV/DVD/VCR, Laptop, Podium)		\$25.00
CATERING		
Coffee & Tea (12 cup pot of each, includes milk, cream, sugar, napkins)		\$7.70
Small Coffee/Tea Urn (price is per pot of coffee)		\$25.00
100 cup coffee/tea urn (price is per pot of coffee)		\$51.00
Bottle of Pop/juice		\$1.50
2 L Bottle Pop		\$3.00
Juice in Jug		\$2.50
Canned Pop/juice		\$1.50
CONFERENCE BREAKS		
Hot dogs (per serving)		\$2.00
Food, beverages, packaging supplies or other items organized by Museum staff	20% above Cost	Price
Popcorn/Candy Bags/Chocolate Bars (per serving)		\$1.33
OTHER		
Development of promotional materials (includes poster design, social media advertising, 5 free posters) PER HOUR		\$25.50
After Hours Flat Rate Surcharge (rentals exceeding 10 pm)		\$50.00
Non profit group rate off of room rental fee (excludes packages)		25% off
Bereavement Pricing (room rental fee for funerals, wakes, celebration of life)		20% off
Rental on Stat Holiday		Additional 25%



REPORT TO COUNCIL

Meeting Date: 6/2/2020	Report Number: 2020-ED-004
Presented by: Wilfred Hass	Department: Economic Development

REPORT TITLE

Teck Township Wood Harvesting Summary Report

RECOMMENDATION(S)

BE IT RESOLVED THAT Report Number 2020-ED-004 entitled “**Teck Township Wood Harvesting Summary Report**”, be received,

THAT staff be directed to allocate funds from the revenue realized from harvesting TKL Blocks 13 and 14 totaling \$35,033 to the Community Improvement Plan, and

THAT, staff be directed to allocate funds from the revenue realized from harvesting TKL Blocks 15, 16, 17 totaling \$70,654 to the Community Improvement Plan.

BACKGROUND

In 2009, staff recommended undertaking a review of municipally owned lands to determine timber values. Staff subsequently produced a Land Management Agreement (Forest Management Plan) to assess resources and govern any future harvesting activities. The Plan, endorsed by the Ontario Ministry of Natural Resources and Forestry, divided the municipal land into potential harvesting blocks, assigned values to each block and developed a strategic framework to guide any future harvesting. That framework incorporates best harvesting practices, provincial directions, community input developed during planning consultations, and regeneration strategies. The Plan was finalized in 2012 and has a tenure of 10 years, spanning 2012 - 2022.

At its May 29th, 2018 meeting, Council directed staff to issue an RFP to harvest timber on select parcels of land in the Winnie Lake area (Blocks 15, 16 and 17). EACOM Timber Corporation was the successful bidder with a quoted price of \$70,654.52 plus tax. The work was undertaken in late 2019, and completed in accordance with the conditions established in the RFP and affirmed in EACOM’s proposal.

At the February 18th, 2020 meeting of Council, staff recommended that the scope of work be expanded to include harvesting in Blocks TKL 13 and 14. This reflected a request from the Golden Snowdrifters Snowmobile Club. The Club proposed that harvesting in this area and the associated road work would enable the Club to re-route its existing trails to enhance safety and improve access to Kirkland Lake from Sesikinika. Staff reasoned that the additional blocks should be harvested while EACOM had its equipment and contractors in the area as otherwise the location and size of the harvest area would make it difficult to attract a proponent in the future. Based on the provincial Forest Resource Inventory (FRI), EACOM estimated that the additional harvest area would generate \$39,050. Council accepted staff's recommendation and the area was cut this spring.

EACOM completed the work in March. Approximately half of the allocated harvest for TKL 13 & 14 was cut, resulting in 4518m³ SPF and 1148 tons of OSB harvested and hauled. The revenue realized was \$35,000 reflecting lower harvest amounts. EACOM attributed the differences between the anticipated harvest volumes and actual harvest volumes as follows:

- Early spring breakup which altered EACOM's timelines with regards to harvesting and hauling operations.
- Road infrastructure began to degrade rapidly with the warmer weather causing issues with hauling.
- Forest resource inventory (FRI) was greatly skewed as it is dated resulting in a much lower production of OSB and higher production of SPF.
- MTO implemented half loads earlier than expected on Hwy 570, creating an uneconomical hauling situation.
- Terrain was relatively rough resulting in slowed production.
- Access road to harvest area needed greater attention with regards to increased maintenance measures to address trucker safety which eventually became unfeasible.

R A T I O N A L E

At its meeting of February 19 2020, Council directed that any additional revenues from the harvest be allocated to the CIP Program.

O T H E R A L T E R N A T I V E S C O N S I D E R E D

The direction to staff was specific to any *additional* revenues, which are effectively the revenues realized from the harvesting of Blocks 13 and 14. An alternative recommendation is that the revenue realized from the main cut on Blocks 15, 16 and 17 directed towards the CIP as well. That would enhance the municipality's capacity to attract and promote economic development.

FINANCIAL CONSIDERATIONS

Financial considerations are limited to the revenue generated by the harvesting activities. Total revenue generated by this project is \$105,687.

RELATIONSHIP TO STRATEGIC PRIORITIES

Although the Strategic Plan has not yet been adopted, the harvesting projects support the two strategic pillars presented in the draft plan:

- Achieve Sustainable Operational Excellence - through revenue generation
- Promote Economic Growth – through supporting employment and utilizing municipal resources to support economic activity

ACCESSIBILITY CONSIDERATIONS

Not applicable.

CONSULTATIONS

Ashley Bilodeau, Manager of Planning and Land Development

ATTACHMENTS

Attachment 1 – Teck Township Wood Harvesting Summary Report Map

Attachment 2 - Expanding Scope of Work with EACOM Forestry Contract February 2018

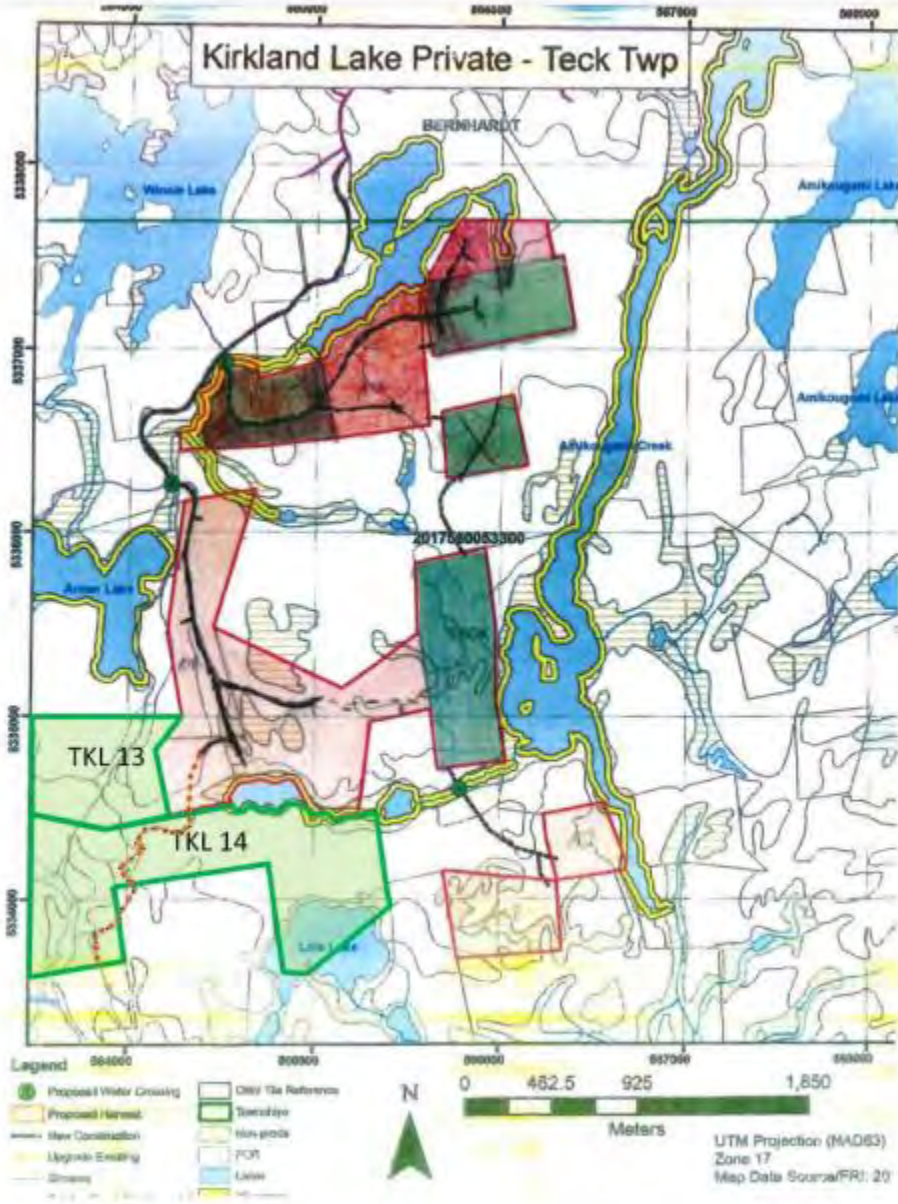
Attachment 3 – RTC Timber Harvesting Proposal Selection RTC 05112018

Attachment 4 – TKL Land Management Agreement (Text Only)

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TOP**

Teck Township Wood Harvesting Summary Report

Attachment 1: TKL Harvest Blocks



REPORT TO COUNCIL

Meeting Date: 2/18/2020	Report Date: 2/9/2020
Decision Requested: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Direction Only	Priority: <input checked="" type="checkbox"/> High <input type="checkbox"/> Low
	Type of Meeting: <input checked="" type="checkbox"/> Open <input type="checkbox"/> Closed
Presented by: Ashley Bilodeau	Department: Planning and Land Development

Report Title

Expanding Scope of Work with EACOM Forestry Contract

Recommendations

THAT Council proceed with expanding the scope of work for the EACOM Forestry Contract to include blocks TKL 13 and 14.

Budget Implications

There is anticipated revenue associated with expanding the scope of work with EACOM.

TKL 13: There is approximately 2,200 m³ of SPF and 6,000 m³ of OSB which would result in anticipated revenue of \$22,500*.

TKL 14: There is approximately 1,500 m³ of SPF and 5,300 m³ of OSB on TKL14 which would result in anticipated revenue of \$16,550*.

The revenue expected from the existing contract is \$70,754. Total additional revenue as a result of these two blocks is \$39,050*.

* This price is contingent upon weather and their ability to access the two blocks this winter. They have confirmed that they will do as much work as they can before the road begins to break up.

Background

In 2012, Council directed the Department to undertake a Land Management Agreement (Forest Management Plan). In the summer of 2018, Council directed the department to issue an RFP to harvest timber on select parcels of land in the Winne Lake area. While the RFP was collected by three different parties, only one submitted a proposal, EACOM Forestry. This was likely due to the smaller scope of the project and existing contracts that EACOM currently has in this area with the Crown and/or private landowners. In accordance with the municipality's procurement policy, the proposal was accepted.

EACOM's proposal met the criteria the Town had established. The wood was intended to be harvested within the next three years, under the same rules as followed on Crown land and using sub-contractors from within the Timiskaming District, that support regional employment. The wood, based on size and

species composition, is to be sent to Elk Lake. Reforestation would be done under the guidance of a registered forester and according to the Crown's expectations. EACOM is responsible for securing all required documentation. The municipality maintains ownership of the land.

Options / Discussions

The Snowdrifters' Snowmobile Club has recently approached the Town to determine whether EACOM, as part of their existing contract, could excavate a little further south to tie into an older trail. The trail was decommissioned approximately 4-5 years ago, after being blocked by a private landowner. By having EACOM excavate a little further south, the trail can be re-routed to tie both the south and north portions together. Reopening this trail to the public would greatly improve snowmobile access in and out of Kirkland Lake as it acts as a shortcut from Sesikinika.

The proposed trail follows an old diamond drill track and is located on municipal property, with the exception of a small portion which traverses Crown land. The area is identified under Block TKL 14 in the Forest Management Plan. After speaking with EACOM, EACOM has confirmed that the timber in TKL 13 and 14 are mature and ready for harvesting.

EACOM has confirmed that they would be able to add these two blocks to the existing contract this winter, however time is of the essence. Their equipment remains on site as they finalize the harvesting of the 3 blocks under contract. If Council is interested in proceeding, they will ensure that all is cut before the spring. As part of their existing contract, EACOM would be responsible for securing all necessary approvals from the Crown. According to EACOM, the Town would realize additional revenue of approximately \$39,050.

Should Council not be in a position to grant an expansion to the harvesting area, EACOM has noted that there would be a cost of approximately \$1,000 (\$150 per hour for approximately 8-10 hours) to cut and excavate the area requested by the Snowdrifters'. According to the Snowdrifters', using volunteers to complete this work would be onerous due to limited volunteer base and the distance from town.

Council should be aware that harvesting this year is feasible because EACOM is working in that area. The volumes are not sufficiently attractive to bring in a dedicated cutter in the future.

Options for Council to consider:

1. Expand the contract with EACOM to include both TKL 13 and TKL 14. Consequences include:
 - Realizes immediate profit to the municipality.
 - Re-routing the snowmobile trail is of benefit as it enhances trail access and safety and promotes economic benefit.
2. Do not expand the contract with EACOM. Consequences include:
 - Trail re-routing does not occur or it does at an additional cost to Snowmobile Club;
 - Potential for lost or reduced revenue: the anticipated revenue noted above is contingent on current cutting operations being undertaken in the immediate area. The likelihood is that a separate harvesting contract in the future would bring in less revenue unless the proponent has other contracts in the area that would defray their operating costs.

Other Departments Consulted and Affected

Economic Development

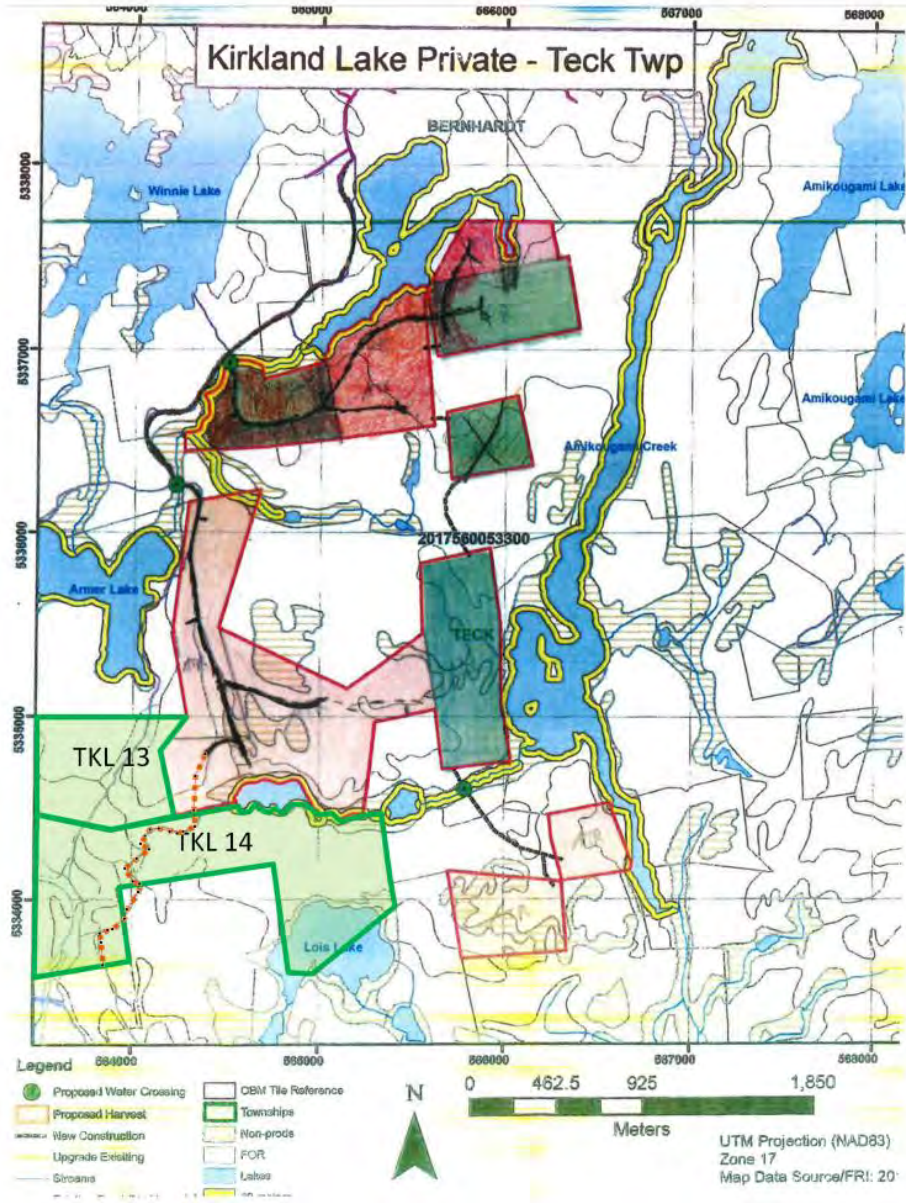
Attachments

Schedule "A" – Block Map from Forestry Plan with Identified Area Requested to be Cleared

CAO Comments

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TOP](#)

Schedule "A"



REPORT TO COUNCIL	
Meeting Date: Click here to enter a date.	Report Date: Click here to enter a date.
Decision Requested: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Direction Only	Priority: <input type="checkbox"/> High <input type="checkbox"/> Low
	Type of Meeting: <input type="checkbox"/> Open <input type="checkbox"/> Closed
Presented by: enter presenters name	Department: enter department

Report Title

Timber Harvesting on Municipal Land

Recommendations

That Council accept the results of the RFP to harvest timber on municipal land.

Budget Implications

Approximately \$70,654.52 in revenue.

Background

In 2012, Council directed the Department to undertake a modified forest management plan on municipal lands. In the summer of 2018, Council directed the department to issue an RFP to harvest timber on select parcels of land in the Winnie Lake area. While the RFP was collected by three different parties, only one submitted a proposal, EACOM Forestry. In accordance with the municipality's procurement policy, the proposal was accepted and opened. The reasoning was that the area in question is not large and has access issues. Accordingly, a successful company would be one that could coordinate harvesting with cuts in other areas in order to benefit from activities of scale.

EACOM's proposal met the criteria the Town had established. The wood will be harvested within the next three years, under the same rules as followed on Crown land and using sub contractors from within the Timiskaming District, thus supporting regional employment. The wood, based on size and specie composition, will be sent to Elk Lake. Reforestation will be done under the guidance of a registered forester and according to Crown expectations. EACOM is responsible for all securing all required documentation. The municipality maintains ownership of the land. The land itself remains available for future disposition by Council.

Staff considered options to harvesting:

- Not accepting EACOM's offer, and reissuing the RFP in the future. This is not recommended as the proposed price was assessed by our independent consultant and considered fair.
- Forgoing harvesting in favour of simply selling the land. This was dismissed as the reality is that the municipality can harvest the wood and still sell the land at a future date.

-
- Do nothing: This was rejected as the prices and the industry interest is there now. Also, Council made it clear that the intent of the FMP was to create community benefit from the forest on municipal lands.

In light of the above, the CAO accepted EACOM's proposal, as per the direction provided by Council.

Options / Discussions

Other Departments Consulted and Affected

Attachments

CAO Comments

* ONLY ONE BID RECEIVED

4.3

(1) In the event only one bid is received in response to a request for tender, the Director may return the unopened bid to the bidder when, in the opinion of the Chief Administrative Officer and the Director, using criteria, based on the number of bids which might reasonably be expected on a given type of bid, additional bids could be secured. In returning the unopened bid the Director shall inform the bidder that the Town may be recalling the tender at a later date.

(2) **In the event that only one bid is received in response to a request for tender, the bid may be opened and evaluated in accordance with the Town's usual procedures when, in the opinion of the Chief Administrative Officer and Director, the bid should be considered by the Town.** If, after evaluation by the Chief Administrative Officer and the Director, the bid is found not to be acceptable, they may follow the procedures set out in Subsection 4.2 (1) to (4).

(3) **In the event that the bid received is found acceptable, it will be awarded as an Irregular result under Schedule "A" of the Purchasing By-law.**



Kirkland Lake Area

Land Management Agreement

2012 to 2022

Volume 1: Municipally Owned Land

PREAMBLE

This document is a companion to Land Management Agreement for Private Land; Volume 2: Rosko Forestry Operations and Partners. The planning effort was conducted collaboratively between the Town of Kirkland Lake, Township of Gauthier and Rosko Forestry Operations, on behalf of several private land owning partners, with the assistance of the Northern Ontario Heritage Fund Corporation (NOHFC), FEDNOR and the Ontario Ministry of Agricultural, Food and Rural Affairs (Rural Economic Development Program). A valuable contribution to the effort was provided by the Kirkland Lake District Forestry, Fish and Wildlife and Information Management staff.

Endorsed by:

Corrinne Nelson, R.P.F.
District Manager; Kirkland Lake District
Ontario Ministry of Natural Resource

Date

Approved by:

Bill Enouy
Mayor
Corportation of the Town of Kirkland Lake

Date

W.K. Johnson
Reeve
Township of Gauthier

Date

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Date

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Director of Tourism and Economic Development
Town of Kirkland Lake

Date

Acknowledgements

A considerable amount of time, effort and resources go into the development of a land management agreement or forest management plan and its development is certainly not a one person effort. A great number of people have contributed to and been a part of the development of this plan. Without the knowledge, experience, training, background and resources they brought into the planning process this plan would have been extremely difficult to prepare. I thank all of those individuals involved.

Special thanks are extended to:

Yves Vivier, RPF – First Resource Management Group – Plan Author – 2006-2026 Forest Management Plan (FMP) for the Timiskaming Forest. Yves supplied us with a complete electronic version of the approved 2006-2026 Forest Management Plan for the Timiskaming Forest. Many of the sections in this plan were developed directly from work Yves produced for the Timiskaming Forest FMP. Thank you and thanks to all who participated in development of the TFA FMP. You made my job much easier. Thanks

Mike Werner – Virtual Earth Technologies – Mike developed the planning land forest resource inventory database files by mining claim/parcel, by owner, by timber reservation, by forest unit and by forest stands utilizing his GIS system. In addition he produced the operational maps files. Anyone involved in forest management planning understands what this process entails and the effort it takes. Thanks

Rosko Forestry Operations Ltd. – Allowing the time and resources to put this plan together. Thanks

Russell Williams, RPF

**Kirkland Lake Area
Land Management Agreement
2012 to 2022
Volume 1: Municipally Owned Land**

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1.0 INTRODUCTION

1.1 *Terminology.*

The terms “Land Management Agreement or *LMA*” and “Forest Management Plan or *FMP*” are used throughout this and the companion document. Although this document exceeds the scope typically outlined in an LMA, it does not meet, nor is it intended to meet, the requirements of a Forest Management Plan prepared for Crown Land in the Province of Ontario. Where the term “Forest Management Plan or FMP” is used, it refers to the plan on Crown land. This document is referred to as the Land Management Agreement or “*the Agreement*” as it provides long term guidance to the municipalities in the management of their forests and a framework for management agreement between and among the Town of Kirkland Lake, the Township of Gauthier and the Ministry of Natural Resources.

This document is intended to provide a framework for the use and development (from a forestry perspective) of the forest lands owned by the Town of Kirkland Lake and The Township of Gauthier consistent with their respective Official Plans, and also provide direction with respect to the harvesting of timber in these jurisdictions.

1.2 *Overview and General Perspective*

Forest management on privately owned land in the Kirkland Lake area has historically been conducted on an ad hoc basis, with limited regard for economic sustainability, environmental impact or integration with other forest uses. Since the mid-1990’s, the Ontario Ministry of Natural Resources encouraged local landowners to adopt a more strategic approach that paralleled the policies and practices employed in the management of Crown forests. Response to the MNR’s initiatives was generally muted, as few landowners had the human or financial resources to undertake a proper forest management planning process.

This changed in 2008. The decline of the forestry industry in general and the recognition that the future viability of local enterprises depended on a more secure access to fiber encouraged municipal governments to work with local business sectors to find creative solutions to ensure the long term survival of the industry in the region. Bringing the region’s privately owned lands into productive use was identified as a critical element. In November 2009, the Corporation of the Town of Kirkland Lake and the Township of Gauthier agreed to partner with a number of local companies in the preparation of a joint management plan for lands privately owned by the municipalities and companies.

Rosko Forestry Operations (RFO) was selected to prepare a Landowner Management Agreement (LMA) that would make recommendations specific to each partner’s forested land holdings. RFO was selected on the basis that they had the qualified professional forestry expertise, experience, tools and equipment to prepare the Agreement. In addition they were a Shareholder of the Timiskaming Forest Alliance Inc.

and thus had access to the resources offered by this forest management company. In addition, RFO was a major landowner and thus would have a significant stake in this LMA. Also, by virtue of their business, they were familiar with all partners' private land holdings as RFO had entered into long-term agreements with other private sector partners to manage their private lands in concert with the private lands held by the Rosko Corporate Group of Companies. It was therefore deemed fitting that RFO be engaged to handle the municipal sections as well. However, irrespective of who prepared and authored the LMA document, each landowner would ultimately retain land ownership rights and decision making authority for their properties relative to the implementation of this LMA.

LMA preparation occurred from 2009 to 2012. The purpose of this document is to provide direction for the management of the patented lands for the period of 2012 to 2022. The LMA provides the planning framework necessary for the development and implementation of forest operation prescriptions for accessing, harvesting, renewal, maintenance/tending, monitoring, and reporting for the planning land base while providing for other uses of the forest.

The direction provided by this LMA provides for a consistent and reliable source of forest products and enables the municipality to optimize and realize the return on their forest asset.

This LMA conforms to the Kirkland Lake District MNR's strategy for the ***Management of Crown Trees on Patented Lands (2005-2015)*** and was prepared in accordance with the guidelines and criteria as outlined in the ***Landowner Management Agreement Advice and Direction Document*** (Kirkland Lake District MNR, September 2008).

A consolidated draft LMA which combined municipally and privately owned forest lands strategies was provided to the MNR in June, 2010.

Following the review of the document and preliminary public consultation related to the municipally owned lands, the document was re-formatted into two separate documents; Volume 1 provides guidance for activities on municipal lands and Volume 2 provides direction for harvesting and renewal of lands owned by, or in partnership with, Rosko Forestry Operations.

1.3 Background

The Kirkland Lake area has a long history of mining spanning over a century since gold was first discovered in the early 1900's. As a result, the majority of the private lands in the Kirkland Lake area were surveyed mining claims that were patented through provisions granted under the Mining Act. The patented lands located in the townships adjacent to Kirkland Lake and extending easterly towards the Quebec border, including the Township of Gauthier, were also largely based on surveyed mining claims. The exceptions to this are townships located to the north and south of the Town of Kirkland

Lake through which Highway 11 passes. These townships along the Highway 11 corridor were primarily surveyed into Lots and Concessions (**Figure 1**).

In 1869 legislation was enacted that would allow the Crown to reserve all pine trees from lands to be patented under the Mining Act from then onwards. In 1918 the Act was again amended to allow for the reservation for all species of trees (Timber Reservations in Mining Claims and “Vet” lots – Their Effect on Forestry and Timber Extraction in the Northern Region, (Colquoun, J.A., 1983).

Under the Mining Act, the Crown reserved the right when patenting mining claims to include in the original patent other reservations to the Crown in addition to trees reservations. The reservations outlined in the original letters patent issued for a mining claim depend on the date the mining claim was patented and the version of the Mining Act at that point in time. Some typical reservations included in the original patenting of mining claims for the Kirkland Lake area are:

- A percentage of the mining claim is reserved to the Crown for roads.
- All Pine Trees are reserved to the Crown with the right to enter and remove the pine trees.
- All Trees are reserved to the Crown with the right to enter and remove the trees.
- All Trees are reserved to the Crown with right to enter and remove the trees and the right to practice forestry.
- Free passage was reserved to the Crown for all navigable waters over or upon the mining claim and an additional strip along the navigable waters not exceeding a chain in width from the waters edge.

It is important to note that each patented mining claim (depending on the version of the Mining Act the mining claim was patented under, or if the parcel of land was patented under another piece of provincial legislation) could include the above reservations or could include a completely different set of reservations to the Crown. As a result, all the patented lands included in this Agreement have been title-searched through the applicable Land Registry Office for proof of ownership. Copies of the original patents were obtained to establish what reservations were applicable to each parcel of land.

Where the Crown has timber reservations on patented land, a License to Harvest Forest Resource (FRL) may be issued as per Ontario Regulation 167/95 s. 29 under the Crown Forest Sustainability Act (1994, S.O. 1994, c. 25) and Authorization to Haul Crown Timber (ATH) is required under the CFSA to allow the transportation of any unmeasured Crown-owned timber. Where the Crown holds no timber reservations on a patented property, neither one of these instruments is required.

1.4 Sources of Direction

The Ontario Ministry of Natural Resources (MNR) is responsible for managing Ontario's natural resources in accordance with the statutes it administers. As the province's lead conservation agency, the MNR is the steward of the provincial parks, natural heritage areas, forests, fisheries, wildlife, mineral aggregates, fuel minerals, Crown lands and waters that make up 87 per cent of Ontario.

The following are Federal, Provincial, and local policies and regulations that impact the management of the private properties in this Agreement.

1.4.1 Provincial Direction

- **Crown Trees on Patented Land Management Strategy 2005-2015** – The patent land in this Agreement has forested land where all pine trees (PR) or all species of trees (ATR), are reserved to the Crown. These Crown reserved trees are to be managed under the strategic direction as outlined in the Crown Trees on Patented Land Strategy 2005-2015. This Agreement will adhere to this strategy and, though not a requirement, will manage these Crown tree reservations in a sustainable manner based on the ecosystem management principles of the Crown Forest Sustainability Act as much as possible.
- **Crown Forest Sustainability Act, 1994, S.O. 1994, c. 25** – The CFSA provides the legislative authority for undertaking forest management on Crown Lands for forest management units in Ontario. The CFSA also includes the provision of four manuals that will be the governing documents for Crown Land forest management in Ontario and sets the framework for determining forest sustainability. The four manuals are: The Forest Management Planning Manual (FMPM), The Forest Information Manual (FIM), The Forest Operations and Silviculture Manual (FOSM), and The Scaling Manual. Portions of each of these manuals have been utilized in the preparation of this LMA.
- **Ontario Regulation 167/95 Section 29** – allows the Ministry of Natural Resource's to license the harvest of trees that are not in a Crown forest but are reserved to the Crown. The Regulation delegates the authority to issue Licenses to Harvest (LTH) to District Managers. Licenses may be subject to terms and conditions and may specify how harvested trees will be disposed of.
- **Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales (MNR, 2010)** – Commonly referred to as the "Stand and Site Guide", **this guide was used in the preparation of Area of Concern prescriptions related to the conservation of biodiversity.**
- **Ministry of Natural Resources Class Environmental Assessment for Resource Stewardship and Facility Development Projects** – This Environmental Assessment applies to the issuance of licenses to harvest.

- **Ministry of Natural Resources Class Environmental Assessment Approval for Forest Management** – This document will be used to guide forest management but is not a document the Ministry of Natural Resources reviews to issue a licence to harvest.
- **Lakes and Rivers Improvement Act** – The patent lands have water courses throughout. These water courses are subject to regulations under the Lakes and Rivers Improvement Act. For watershed of greater than 5 square kilometers work permits are required to cross these streams.
- **Fish and Wildlife Conservation Act** – Fish and wildlife are protected in Ontario under this act. The removal of nuisance beaver or beaver dams on private property must adhere to the regulations of this act.
- **Endangered Species Act, 2007, S.O. 2007, c.6** – The Endangered Species Act provides protection to species listed as threatened, endangered, or extirpated and their habitats.
- **Public Lands Act** – Roads that fall on Crown land that may be required to access the patent land fall under the Public Lands Act. Any road construction or stream crossings on Crown land require work permits.
- **Ontario Heritage Act** – The Ontario Heritage Act gives the province and municipalities powers to delay and stop demolition of heritage sites.

In addition, planned forestry operations within municipalities will adhere to the applicable local bylaws such as, but not limited to, noise, water, and road use.

1.4.2 Federal Direction

- **Fisheries Act** – Any work in or near water that may damage fish habitat and/or cause a deleterious substance to enter the water is a violation of the Canada Fisheries Act. Any stream crossings that might create a harmful alteration, disruption or destruction of fish habitat require approval from the Department of Fisheries.
- **Species at Risk Act** - The Species at Risk Act was created to prevent wildlife species from becoming extinct by: 1) providing for the recovery of species at risk due to human activity; and 2) ensuring, through sound management, that species of special concern do not become endangered or threatened.

1.4.3 Municipal Direction

- **Official Plan for the Corporation of the Town of Kirkland Lake** – The Official Plan guides in the management, development and utilization of privately owned lands within the Town of Kirkland Lake.

More specifically, the following excerpt is included in the Official Plan for the Corporation of the Town of Kirkland Lake:

E.5.11 FORESTRY

Timber management ensures not only continued timber production but also prevents soil erosion, supplies habitats for wildlife, and maintains the aesthetic quality of the area. It is the intent of Council to recognize the importance of forestry to the future economic position of the Planning Area.

a) Forestry has not been identified as a separate land use designation but will be recognized as a permitted use in the Rural Area by the zoning by-law implementing this Plan except that forestry related wood activities such as processing and wood using manufacturing will only be permitted by amendment to the zoning by-law.

b) Forest management practices will be regulated by the Ministry of Natural Resources under the sustained yield principle and a timber management plan.

c) Timber harvest practices will be controlled and large clear-cut logging operations may be restricted in the vicinity of watercourses in order that wildlife habitats may be protected and the forest and recreation amenity maintained.

d) Council will encourage productive timber management on patented mining claims.

(ADDED BY AMENDMENT # 5)

* It should be noted that the Official Plan for Kirkland Lake will likely be revised during the term of this Agreement. Where changes to the Official Plan are related to the direction provided in this document, the Official Plan will take precedent and the LMA will be subsequently amended for consistency.

- **Official Plan for the Corporation of the Township of Gauthier** – The Official Plan guides the management, development and utilization of privately owned lands within the Township of Gauthier.

More specifically, the following excerpt is included in the Official Plan for the Township of Gauthier (2011):

Section 2.10.9 Forestry: Most of the land base of the Township is covered by woodlands with variable commercial timber value. The Township recognizes the importance of forestry and the forest products industry to the local economic base. The policies of this plan are intended to encourage sustainable forest practices by and in partnership with the forest industry. A forest management area is illustrated on the Land Use Plan Schedule as an area set aside for commercial forestry using the Ministry of Natural Resources protocols for management, sustainability and the conservation of natural heritage and archaeological values. The Township may enter into a partnership and/or provide for the management of the area for forest

operations. Permitted uses shall be limited to sustainable forestry practices, timber harvesting and compatible outdoor recreation activities. Forest products industries will be directed to other areas of the Townships in keeping with Section 2.10.5 of this Plan.

2.0 LAND BASE DESCRIPTION

Sections 2.2, 2.3, 2.4, 2.6, 2.8, 2.9, 2.10, 2.11, and 2.12 of this Landowner Management Agreement (LMA) were originally prepared and written as part of the Forest Management Plan for the Timiskaming Forest. Editorial modifications were made to ensure applicability and consistency with this LMA

2.1 Administration

The responsibility for administering and implementing all aspects of this LMA resides with the individual partners; the Corporation of the Town of Kirkland Lake and the Township of Gauthier. The entire land base encompassed by this agreement falls within the Kirkland Lake administrative district of the Ministry of Natural Resources. The MNR will be the lead agency in the issuance of any applicable approvals, licences, authorizations, and permits for forest operations to commence according to the annual work schedules developed from direction in this LMA. Highlighted in **Figure 2** are the Townships of importance with respect to this Agreement: Teck, Lebel, Gauthier, Otto and Pacaud Townships.

2.2 Forest Description

The forests of the planning area land base fall entirely within the Boreal Forest ecosystem and within the overall landbase of the Timiskaming Forest Management Unit.

The description of this forest is well documented in the Forest Management Plan for the Timiskaming Forest and is available on the Ministry of Natural Resources Website. In the interest of brevity, it is not fully repeated in this document.

The website for this document is:

<http://www.appefmp.mnr.gov.on.ca/eFMP/viewFmuPlan.do?fmu=280&fid=100095&type=CURRENT&pid=100095&sid=8917&pn=FP&ppyf=2011&ppyt=2021&ptyf=2011&ptyt=2016&phase=P1>

In general terms, the development of the planning areas is best described within the context of three separate prehistoric and historic influences. First was the Wisconsin Glacial Episode which was the most recent [major advance](#) of the [North American Laurentide](#) ice sheet. The Wisconsin glaciation extended from approximately 110,000 to 10,000 years ago and deposited the overburden that developed into the present day soils.

Secondly is the extensive fire history of the area, characterized by large catastrophic disturbances affecting significant portions of the management planning area in the past.

Thirdly, the effect of human development of the area, beginning in the late 1800's and continuing today, has influenced the forest cover of the planning area. Mining, agricultural and forestry activities, as well as human settlement are the most easily recognizable modern influences on the land base today. **Figure 1** is a map of the Timiskaming Forest and the Kirkland Lake area.

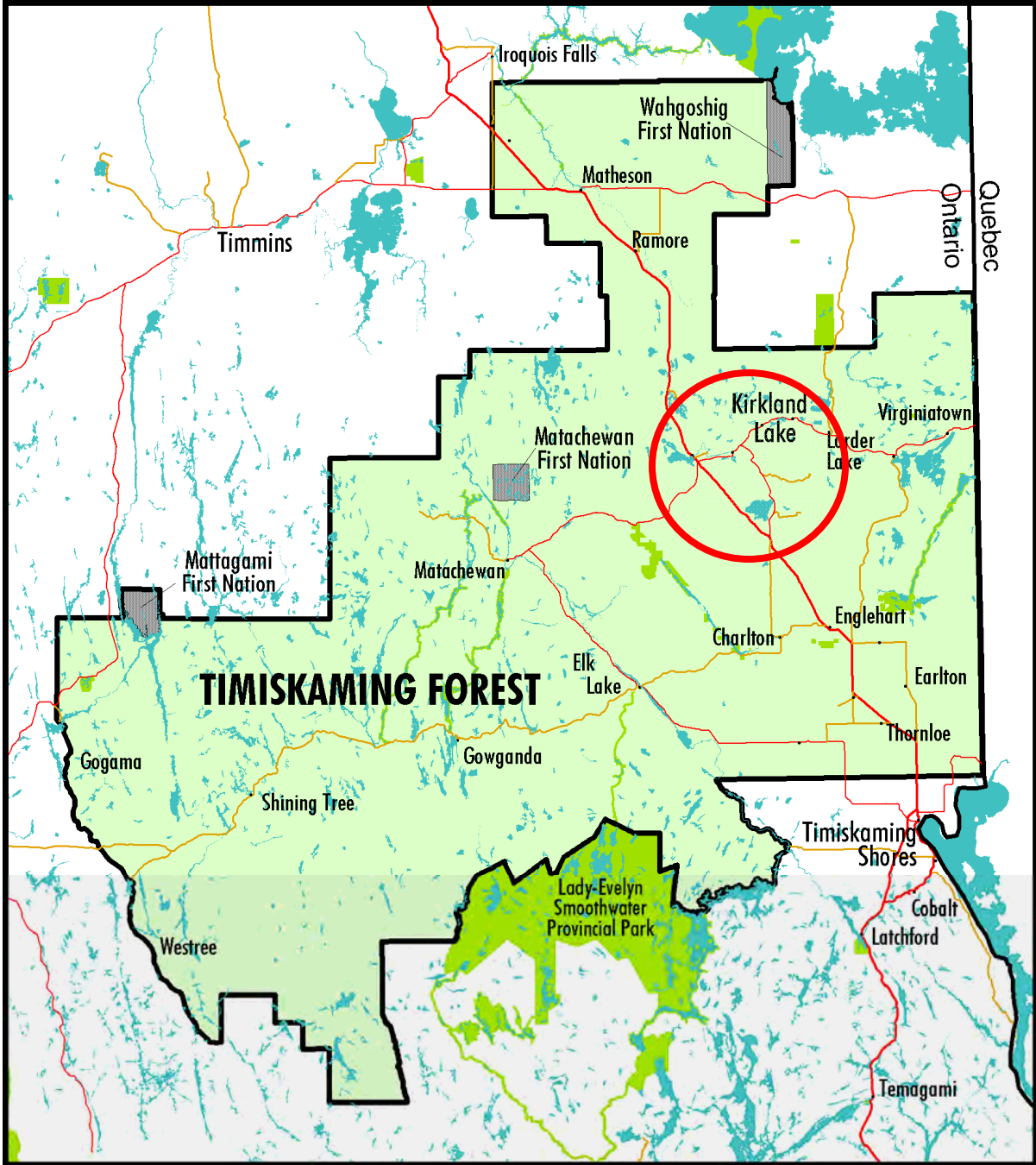


Figure 1 – Timiskaming Forest and the Kirkland Lake Area

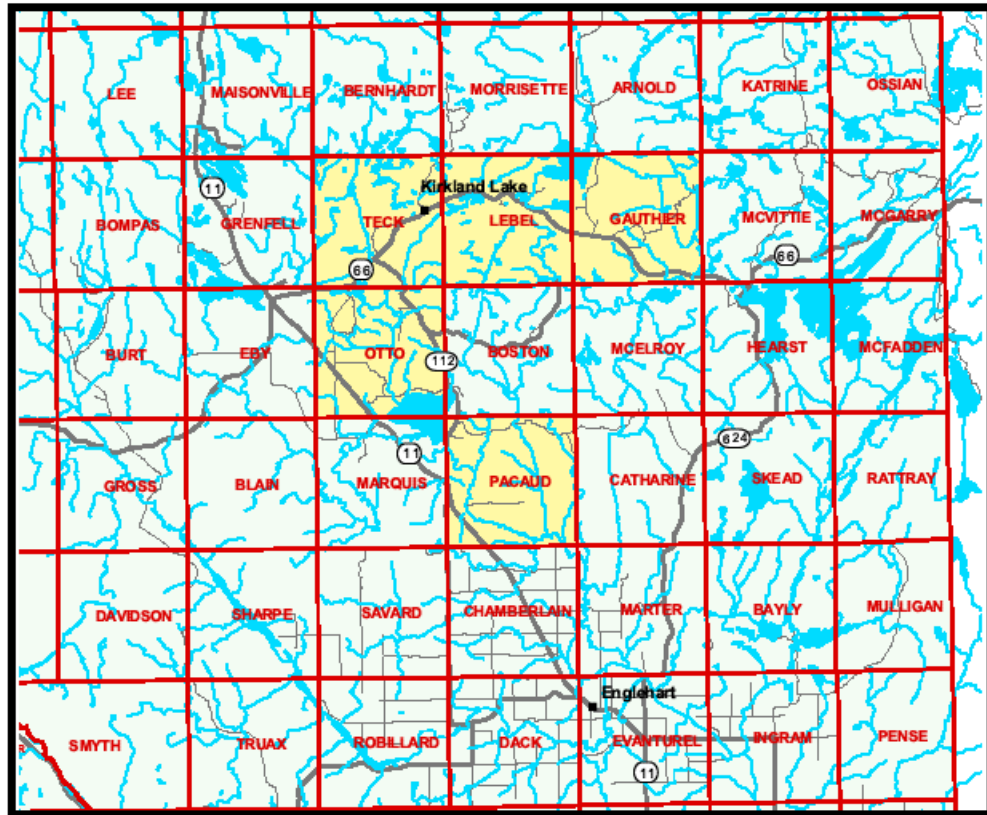


Figure 2 - Highlighted Townships of the 2012-2022 Kirkland Lake Landowner Management Agreement (LMA)

2.3 Geology, Soils and Sites

The land base comprising the Kirkland Lake Area LMA lies within Ecoregion 3E – Eastern Boreal Forest within the Ontario Shield Ecozone and is comprised primarily of Precambrian bedrock geology. (**Figure 3**). Ecoregions are differentiated by their broad regional climatic regimes, influencing productivity and distribution of vegetation (OMNR 2003). Ecoregions are comprised of ecodistricts characterized by distinct patterns of relief, geology, geomorphology, vegetation, soils, water bodies and fauna. The entire planning area is encompassed by Ecodistrict 3E-6. Table 1 is a summary of the characteristics of Ecoregion 3E and associated Ecodistrict 3E-6 as described by the *Silviculture Guide to Managing Spruce, Fir, Birch, and Aspen Mixed woods in Ontario's Boreal Forest* (OMNR 2003).

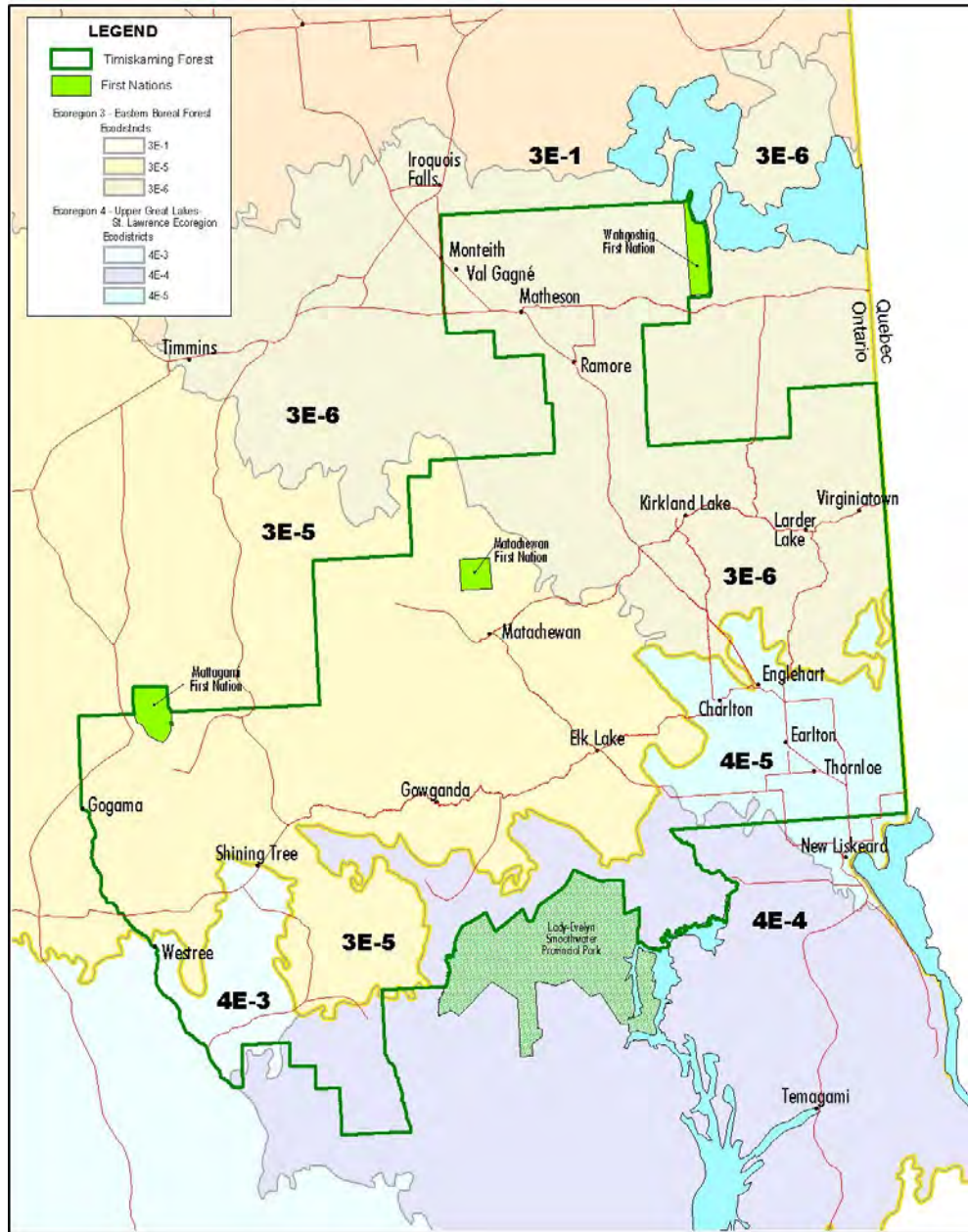


Figure 3 - Ecoregions Kirkland Lake Area Land Management Agreement

Table 1. Summary of Eco-region 3E intersecting the planning land base area.

Eco-region	Bedrock	Climate	Topography	Dominant Soil Characteristics	Modal Forest Cover	Disturbance Regime
3E	Precambrian, Archean Era	Moderate microthermal, moist humid, boreal	Eco-district 3E-6 rolling to rough	Podzols common. Mors, Luvisols and Peaty Mors in Claybelt	Pioneers: Pt, Bw, Pb, some Pj Late Succession: Sb, Sw, Bf	Fire Cycle: 500-1200 yrs Spruce budworm, forest tent caterpillar

(Source: OMNR.2003)

The implications of geology, site and soil condition on management assumptions, strategies and decisions are considerable. The area of Ecodistrict 3E-6 encompassing the planning land base is primarily upland and rougher with a small proportion of the area falling within the claybelt around Lake Abitibi. The planning area within the claybelt is part of the extensive clay deposit which limits the road building material and timing of operations while the planning area surrounding the town of Kirkland Lake are primarily upland sites providing opportunities for operations to occur throughout the year. The rougher terrain encountered in this part of the Ecodistrict 3E-6 limits the operability of certain stands and the location of roads. In addition to the challenging terrain are the numerous watercourses which intersect the landscape. Strategies utilized in operating in these conditions include minimizing road construction required to access operational blocks, increasing the size of harvest areas and limiting the effects from restrictions brought on by other resource users.

The Northeast Region Forest Ecosystem Classification (NORFEC) is a method of classifying ecosystems using a common methodology. NORFEC allows resource managers to speak a common language when discussing and describing forest ecosystems. As well, NORFEC provides the framework into which ecosystem information can be collected and applied. The Forest Resource Inventory (FRI) is a non-ecosystem based classification system that describes forest stands based on cover attributes that can be interpreted from aerial photography. NORFEC classifies the site based on overstory, understory and soils information. The primary source document for NORFEC is: ***A Field Guide to Forest Ecosystems of Northeastern Ontario***.

- **Poplar** in the southern portion of Ecodistrict 3E-6, the planning area, is usually found on upland glacial till areas characterized by moist sandy to coarse loamy soils. Generally, the quality of the poplar in this area is low to medium. The

poorer quality soils (in comparison to the clay belt areas in the northern portion of Ecodistrict 3E-6) do not provide the optimum sites for this species. The poplar stands in these areas are more mixed in species composition and characteristically include jack pine, black spruce, white spruce and balsam fir associations. Commonly, in this part of the management unit the poplar stands are found on site types 3a, 3b and 6a, b, and c

- **Black spruce** is found scattered in small patches throughout the planning land base. Generally, black spruce is found in pure stands on the low lying moist to wet organic soils types (FEC site types 11, 12, 13 and 14). On upland glacial tills and fresh clay/silt sites black spruce usually grows in mixed stands in association with jack pine, poplar, balsam fir and white birch (FEC site types 4, 5a and b, 6a, b and c, 8 and 9). More of the high valued sawlog material is found on these sites while the lower value spruce pulpwood stands occupy the organic sites.
- **White spruce** grows well on upland fresh loamy soils and usually associates with poplar, balsam fir, jack pine, and birch in a mixed wood condition. The species usually occupies a minor component of the upland mixed-wood sites but can contribute a large proportion of a stands total volume. Generally the species is found in FEC site types 6a, b and c as well as in site types 7a and b. Much of the upland black and white spruce stands were historically balsam fir stands which were converted to low stocked stands after the spruce budworm infestation of the mid 1970's to early 1980's.
- **Jack pine** grows in relatively pure stands (FEC site type 2a and b) and is a direct result of large historical wildfires. Due to the effectiveness of fire suppression in the recent past, most pure jack pine stands that are 45 years of age or younger are the result of silvicultural treatments or natural regeneration after harvesting. Jack pine also associates with white birch, balsam fir and poplar on FEC site types 3a, 3b and 4) as well as with spruce and poplar on the fresher loamy sites (FEC site type 5a, 5b, 6a, 6b, and 6c).
- **White birch** is found throughout the management area, usually scattered and in association with other species. White birch has historically been used as a source of firewood, sawlog, and veneer; however the average quality of the white birch in this area is low. Over the last few years white birch has been used in the production of oriented strand board. Pure white birch stands are not common, however those that do exist are fire origin coppice stands with very little conifer component. White birch stands are found on FEC site types 6c, 7a and b.
- **Balsam fir** is the product of fire suppression and tends to occupy the productive site types such as FEC site type 6a, b, and c as well as 7a and b. Balsam fir is commonly associated with all of the major boreal conifer and hardwood species, often occupying the understory of stands due to its shade tolerance. Prior to the spruce budworm infestations of the mid 1970's there was a higher percentage of

balsam fir working group throughout this area. After the infestation ran its course, the former balsam fir stands were reclassified during re-inventory exercises as poorly stocked or barren and scattered spruce and white birch stands.

- **White cedar** grows primarily in moist lowland areas but is also found on upland sites. It can survive on a wide range of organic and mineral soils but does not perform well in very wet or very dry conditions. The cedar found on upland sites occurs primarily as scattered clumps or individuals in mixed-wood conditions. In lowland conditions, it will form pure stands or intermix with black spruce and larch. Cedar will be most common to ecosites 13r and 9r on this landbase.
- **Larch** working group stands occur almost exclusively on the wettest sites and grows in pure stands or in association with black spruce and cedar. Larch outperforms many of the boreal conifers on an upland site. Typically, larch will form part of a minor component of other working group stands on the landbase.
- **Soft maple** is also found more often than not scattered as unmapped small pockets or as a component of other working groups. Soft maple thrives on a wider variety of soil types, textures and moisture regime. In the majority of the cases, soft maple will occur on sands, loamy sand glacial till, and occasionally organic terrain.

2.4 Historic Forest Condition

The historic forest condition is also well documented within the Forest Management Plan for the Timiskaming Forest and is not repeated in this document. The Pre-Industrial Forest Condition Report is also available from First Resource Management Group.

The Forest Management Plan is available on the MNR Public Website at:

<http://www.appefmp.mnr.gov.on.ca/eFMP/viewFmuPlan.do?fmu=280&fid=100095&type=CURRENT&pid=100095&sid=8917&pn=FP&ppyf=2011&ppyt=2021&ptyf=2011&ptyt=2016&phase=P1>

2.4.1 General History

The development of this area had its origin in the fur trade during the early history of French and British Canada. The lines of communication were by water from the Ottawa River drainage using the Montreal and Blanche Rivers to reach northward into the Hudson and James Bay by way of the Black and Fredrickhouse Rivers.

Serious settlement of the Clay Belt began following the construction of the Temiskaming and Northern Ontario Railway from North Bay to Cochrane. The industrial and commercial development of this part of Ontario has resulted from two main sources: mining and forestry. Coincident with the beginning of settlement in this area, the discovery of gold in 1907 established the Kirkland Lake area as one of the major gold producing areas of the world.

Actual logging history within the former Crown Management Unit (within which the landbase for this plan is located) began in 1907 with what was referred to as the Montreal River Concession. Sawlog material from the planning land base was also supplied to two other mills – Kokotow Lumber Company Ltd. and the C.T. McDonald mill, both of which were located in Kenogami, on Highway 11 west of Kirkland Lake.

2.4.2 Fire Disturbance History

Fire is the most important natural disturbance affecting the Boreal Forest, although the Fire Cycle for this Ecodistrict (as identified in Table 1) is relatively long – 500 to 1200 years. The fire cycle for a management unit tells the length of time required to burn an area equivalent to the area of the management unit. Past forest fires caused the establishment of relatively pure stands of poplar, jack pine and spruce.

On May 18, 2012, a fire began northeast of the Town of Kirkland Lake. Over a period of approximately 13 days, over 2400 hectare of Crown and Private forest were completely or partially burned. (Figure 4)

The boundaries of the burn are depicted on the Township maps in Appendix 2, however the stand description (i.e. Age class distribution, forest unit distribution and block listings etc) contained in this Plan reflect pre-burn conditions.

Following normal depletion mapping and inventory revision, this plan will be amended accordingly.

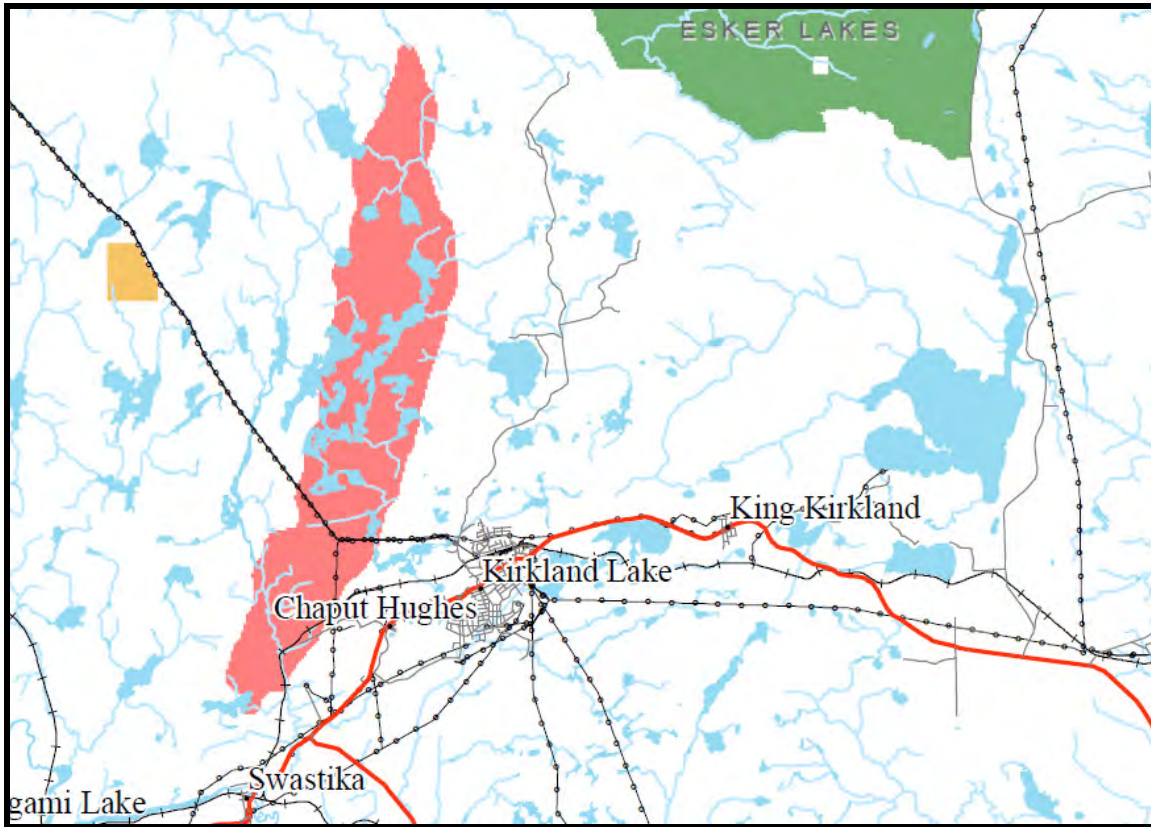
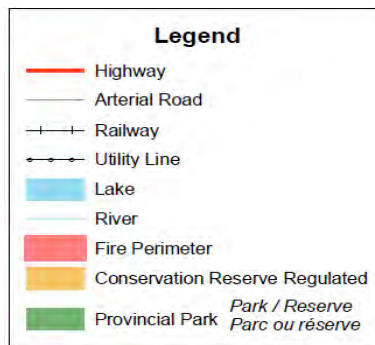


Figure 4 KL Fire #008 (2012)



2.4.3 Resource Values Information

Values information have been maintained by MNR at the Kirkland Lake District office in Kirkland Lake for the Crown Land within the planning area land base and for some features on private land. Values recorded have typically been fish and wildlife based but also included cultural and life science values information.

Values maps are updated using survey data, ground truthing, and input from the general public and forest industry. Input and verification of the values information into the Land Information Ontario (LIO) Editor and Mapper (formerly referred to as NRVIS) is an MNR responsibility.

2.5 Current Forest Condition

A description of the current forest condition was used as the basis for development of this Agreement. The current forest condition describes the planning land base in terms of productive and non-productive forest areas.

The productive forest includes all areas currently forested or areas capable of supporting a forest. This area is subdivided into forest units that are made up of forest stands with similar characteristics such as species composition, productivity rating, ecological development and silvicultural requirements. The productive forest has been further divided into operable areas and reserved areas.

The non-productive forest land base includes all area which has been classified as a non-forested land type - designated agricultural land, rock, treed muskeg, alder/shrub swamp, open muskeg, grass & meadow and water. Forest operations generally do not occur within non-productive land types with the exception of access operations.

With the implementation of the 1999-2004 Management of Crown Timber on Patented Lands Strategy, the Kirkland Lake District of the Ministry of Natural Resources took the initiative to formally develop and establish a management program for private land in the Kirkland Lake District where the Crown owned some or all tree species on patented lands. The original 1999 strategy was renewed to become the ***2005-2015 Crown Trees on Patented Land Management Strategy***. This strategic direction aimed to ensure that both the landowner and the MNR's ownership interests were addressed before the approval and issuance of the licenses were given to commence tree harvesting operations. These forest management mechanisms included current parcel registry searches to establish proof of ownership, timber reservations, original mining claim survey map, landowner objectives and benefits, current forest condition, forest units, volumes, access, area of concern planning, silviculture and compliance monitoring. The Forest Resource Inventory (FRI) database was used to prepare the current private land forest database. In November of 2009, the FRI data, the current forest condition, forest units, and volumes for all private lands to be included in the Agreement area were

processed by Virtual Earth Technologies of Englehart. Virtual Earth Technologies is a local geographic information system management company that was contracted to extract the FRI data required for this LMA based from the same FRI that was used in the preparation of the 2006-2026 Forest Management Plan for the Timiskaming Forest (updated to 2011).

This was accomplished utilizing the digital mining claim maps provided by the Ministry of Northern Development and Mines and the FRI for the Timiskaming Forest provided by MNR.

2.6 The Forest Resources Inventory(FRI)

Definition: *A composite information product which is assembled from a collection of individual geographic information coverages that contain descriptive information about the timber resource on each management unit (e.g., stand age, stand height, species composition, stocking level). The forest resources inventory for a management unit divides the area into a number of components, such as water, non-forested, non-productive forest and productive forest, and further classifies each component by ownership/land use categories. (Adapted FIM) (OMNR. November 2009. **Forest Management Planning Manual for Ontario's Crown Forests**. Toronto: Queen's Printer for Ontario. 447 pp.)*

2.7 Land Base Summaries

The land base summaries for this Agreement are based on both the productive forest and non-productive forest land base.

The productive forest includes all areas currently forested or areas capable of supporting a forest. This area is subdivided into forest units that are made up of forest stands with similar characteristics such as species composition, productivity rating, ecological development and silvicultural requirements. The productive forest has been further divided into operable areas and reserved areas. Operable productive forest are areas where forest operations may be approved and reserved productive forest are areas where forest operations may not be approved as a result of protecting an identified value or values.

The non-productive forest land base includes all area which has been classified as a non-forested land type. Forest operations generally do not occur within non-productive land types with the exception of access operations.

- **Table 2 (a)** provides a land base area and volume summary for lands owned by the Town of Kirkland Lake and **Table 2 (b)** provides similar information for the Township of Gauthier. These tables outline the total area in hectares available for harvest, the area reserved from harvest, the estimated volumes by species by forest unit and the area in hectares by non-productive land type.

- **Table 3 (a)** provides a volume and area summary by forest unit and by age class distribution for the Kirkland Lake Forest and **Table 3 (b)** provides the similar information for The Township of Gauthier
- **Table 4** provides a summary of Non Productive area for the Kirkland Lake Forest and the Township of Gauthier Forest

Table 2 a) Area and Volume Summary for Kirkland Lake Forest

Table 2a - Landbase Area and Volume Summary (Town of Kirkland Lake) by Forest Unit																			
Forest Unit	Harvest Area Ha.	Reserve Area Ha.	Total Area Ha.	Volume in Cubic Meters (m3)															
				White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Other Conifer	Total SPF	Total Conifer	Poplar	White Birch	Other Hardwood	Total Po/Bw	Total Hardwood	Total All Species
BW1	641	34	675	0	0	10,675	1,040	394	324	0	0	12,433	12,433	29,688	21,168	1,738	50,855	52,593	65,026
LC1	39	1	40	0	0	102	755	20	5	69	199	881	1,148	293	22	0	314	314	1,463
MW1	1,127	89	1,216	40	0	39,618	4,812	3,718	1,610	0	0	49,799	49,799	63,627	23,055	3,033	86,682	89,715	139,514
MW2	255	19	274	0	0	2,654	2,080	937	1,012	11	234	6,683	6,928	8,942	5,634	201	14,576	14,777	21,705
OH1	2	0	2	0	0	0	0	0	0	0	0	0	0	4	1	31	5	37	37
PJ2	37	1	38	0	0	2,531	444	154	0	0	0	3,128	3,128	971	350	0	1,321	1,321	4,449
PO1	75	6	82	0	0	724	17	57	10	0	0	807	807	5,325	680	55	6,005	6,061	6,868
SB1	53	5	57	0	0	0	1,538		0	0	96	1,538	1,634	0	0	0	0	0	1,634
SF1	76	11	87	9	0	836	1,833	762	464	15	494	3,904	4,413	1,651	556	52	2,207	2,260	6,672
SP1	380	16	396	0	0	18,804	11,459	5,607	47	38	92	35,916	36,046	7,786	8,352	0	16,138	16,138	52,184
BSH			298																
DAL			15																
OMS			122																
RCK			57																
TMS			61																
UCL			67																
WAT			171																
Subtotal	2,685	183	3,659	49	0	75,944	23,978	11,648	3,472	132	1,114	115,091	116,337	118,287	59,817	5,111	178,104	183,215	299,552

Table 2 b) Area and Volume Summary for the Gauthier Forest

Table 2b - Landbase Area and Volume Summary (Gauthier) by Forest Unit																			
				Volume in Cubic Meters															
Forest	Harvest	Reserve	Total	White	Red	Jack	Black	White	Balsam	Other	Total	Total	White	Other	Total	Total	Total		
Unit	Area Ha.	Area Ha.	Area Ha.	Pine	Pine	Pine	Spruce	Spruce	Fir	Cedar	Conifer	SPF	Conifer	Poplar	Birch	Hwd	Po/Bw	Hwd	All Spp
LC1	89	3	92	0	0	92	3,663	0	154	156	1,243	3,908	5,307	852	297	0	1,148	1,148	6,455
MW2	290	13	303	0	0	582	8,701	163	45	0	39	9,491	9,530	16,797	2,643	401	19,440	19,841	29,371
PO1	30	4	34	0	0	0	35	0	0	0	0	35	35	2,056	408	0	2,464	2,464	2,499
SP1	335	29	364	0	0	4,674	18,853	801	0	0	879	24,328	25,207	2,777	1,519	0	4,297	4,297	29,504
BSH			141																
OMS			5																
Subtotal	745	48	940	0	0	5,348	31,251	964	200	156	2,161	37,762	40,079	22,482	4,867	401	27,349	27,750	67,829

Table 3 a) Summarizes the age class distribution and volume associated with the Kirkland Lake Forest, and 3 b) provides this information for the Gauthier Forest.

Table 3a - Forest Unit Age Class Distribution, Area, and Volume Summary-- Town of Kirkland Lake

Volume in Cubic Meters																				
Forest Unit	Age Class	Harvest Area Ha.	Reserve Area Ha.	Total Area Ha.	White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Other Conifer	Total SPF	Total Conifer	Poplar	White Birch	Other Hwd	Total Po/Bw	Total Hwd	Total All Spp
BW1	15	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BW1	45	36	1	36	0	0	314	0	0	0	0	0	314	314	410	1,420	0	1,830	1,830	2,144
BW1	55	12	1	12	0	0	197	27	0	0	0	0	224	224	534	778	0	1,311	1,311	1,535
BW1	65	523	27	550	0	0	9,298	803	286	280	0	0	10,666	10,666	26,832	16,956	1,426	43,788	45,215	55,881
BW1	75	32	1	32	0	0	526	101	6	0	0	0	632	632	712	1,010	55	1,722	1,777	2,409
BW1	85	33	5	38	0	0	341	109	90	37	0	0	577	577	1,193	955	256	2,148	2,404	2,981
BW1	125	2	1	3	0	0	0	0	13	7	0	0	20	20	7	49	0	56	56	76
BW1 Total		641	34	675	0	0	10,675	1,040	394	324	0	0	12,433	12,433	29,688	21,168	1,738	50,855	52,593	65,026
LC1	45	17	1	18	0	0	0	81	0	0	23	25	81	129	237	22	0	258	258	387
LC1	55	4	0	4	0	0	14	59	0	0	6	18	73	96	18	0	0	18	18	114
LC1	65	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
LC1	75	5	0	5	0	0	0	17	0	0	4	20	17	41	0	0	0	0	0	41
LC1	85	12	0	12	0	0	88	591	20	5	0	135	704	838	28	0	0	28	28	866
LC1	105	0	0	1	0	0	0	8	0	0	36	0	8	44	11	0	0	11	11	54
LC1 Total		39	1	40	0	0	102	755	20	5	69	199	881	1,148	293	22	0	314	314	1,463
MW1	45	2	0	2	0	0	14	0	0	0	0	0	14	14	61	0	0	61	61	75
MW1	65	573	40	614	0	0	24,646	514	518	132	0	0	25,810	25,810	37,852	11,438	2,790	49,290	52,080	77,890
MW1	75	94	1	96	0	0	2,087	178	66	0	0	0	2,332	2,332	4,563	1,290	0	5,853	5,853	8,185
MW1	85	416	41	457	40	0	11,601	3,850	2,708	1,171	0	0	19,371	19,371	18,868	9,515	243	28,382	28,626	47,996
MW1	95	30	5	35	0	0	884	156	306	224	0	0	1,570	1,570	1,914	633	0	2,547	2,547	4,117
MW1	105	12	1	14	0	0	386	114	120	84	0	0	703	703	369	179	0	549	549	1,252
MW1 Total		1,127	89	1,216	40	0	39,618	4,812	3,718	1,610	0	0	49,799	49,799	63,627	23,055	3,033	86,682	89,715	139,514
MW2	55	45	1	46	0	0	274	560	38	24	0	234	896	1,130	2,070	326	0	2,396	2,396	3,526
MW2	65	90	7	97	0	0	977	311	159	138	11	0	1,585	1,596	2,163	2,238	0	4,401	4,401	5,996
MW2	75	5	1	6	0	0	45	17	8	19	0	0	89	89	244	0	0	244	244	332
MW2	85	110	8	118	0	0	1,358	1,152	733	706	0	0	3,948	3,948	4,465	2,868	37	7,333	7,370	11,318
MW2	95	5	2	8	0	0	0	41	0	125	0	0	166	166	0	202	165	202	367	532
MW2 Total		255	19	274	0	0	2,654	2,080	937	1,012	11	234	6,683	6,928	8,942	5,634	201	14,576	14,777	21,705
OH1	35	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	29	0	29	29
OH1	75	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	3	5	8	8
OH1 Total		2	0	2	0	0	0	0	0	0	0	0	0	0	4	1	31	5	37	37
PJ2	75	28	1	29	0	0	1,319	331	18	0	0	0	1,668	1,668	396	329	0	726	726	2,393
PJ2	85	9	0	9	0	0	1,212	113	136	0	0	0	1,460	1,460	575	21	0	596	596	2,056
PJ2 Total		37	1	38	0	0	2,531	444	154	0	0	0	3,128	3,128	971	350	0	1,321	1,321	4,449

Table 3a - Forest Unit Age Class Distribution, Area, and Volume Summary-- Town of Kirkland Lake

Volume in Cubic Meters																				
Forest Unit	Age Class	Harvest Area Ha.	Reserve Area Ha.	Total Area Ha.	White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Other Conifer	Total SPF	Total Conifer	Poplar	White Birch	Other Hwd	Total Po/Bw	Total Hwd	Total All Spp
PO1	15	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PO1	25	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
PO1	45	18	2	20	0	0	14	0	0	0	0	0	14	14	211	0	0	211	211	224
PO1	55	17	0	17	0	0	164	0	0	0	0	0	164	164	1,590	150	55	1,740	1,795	1,959
PO1	65	13	0	13	0	0	117	3	3	0	0	0	122	122	816	171	0	986	986	1,108
PO1	85	24	3	27	0	0	410	14	45	0	0	0	469	469	2,546	346	0	2,891	2,891	3,360
PO1	95	2	1	3	0	0	20	0	9	10	0	0	39	39	157	13	0	170	170	208
PO1	105	0	0	0	0	0	0	1	1	0	0	0	1	1	5	1	0	6	6	8
PO1 Total		75	6	82	0	0	724	17	57	10	0	0	807	807	5,325	680	55	6,005	6,061	6,868
SB1	45	33	5	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SB1	105	20	0	20	0	0	0	1,538	0	0	0	96	1,538	1,634	0	0	0	0	0	1,634
SB1 Total		53	5	57	0	0	0	1,538	0	0	0	96	1,538	1,634	0	0	0	0	0	1,634
SF1	45	8	1	9	0	0	0	0	0	0	0	0	0	0	134	33	0	167	167	167
SF1	65	10	1	11	0	0	87	12	1	5	0	13	105	118	124	0	0	124	124	242
SF1	75	14	2	16	0	0	214	699	0	0	0	345	912	1,257	387	0	0	387	387	1,644
SF1	85	43	6	49	0	0	536	1,123	751	459	1	133	2,868	3,002	1,007	518	52	1,525	1,577	4,579
SF1	95	1	0	1	9	0	0	0	10	0	14	3	18	36	0	4	0	4	4	40
SF1 Total		76	11	87	9	0	836	1,833	762	464	15	494	3,904	4,413	1,651	556	52	2,207	2,260	6,672
SP1	45	5	1	6	0	0	0	97	16	0	0	0	114	114	103	26	0	129	129	242
SP1	55	16	0	16	0	0	0	267	2	0	38	40	269	346	271	130	0	401	401	747
SP1	65	31	2	33	0	0	615	372	99	35	0	0	1,121	1,121	634	237	0	871	871	1,992
SP1	75	299	13	312	0	0	16,800	9,152	5,026	0	0	52	30,978	31,030	6,117	7,598	0	13,715	13,715	44,745
SP1	85	28	0	28	0	0	1,379	1,515	463	12	0	0	3,369	3,369	662	356	0	1,018	1,018	4,387
SP1	125	0.6	0.0	0.6	0.0	0.0	9.0	56.5	0.0	0.0	0.0	0.0	65.5	65.5	0.0	4.7	0.0	4.7	4.7	70.2
SP1 Total		380	16	396	0	0	18,804	11,459	5,607	47	38	92	35,916	36,046	7,786	8,352	0	16,138	16,138	52,184
Total All Forest Units		2,685	183	2,868	49	0	75,944	23,978	11,648	3,472	132	1,114	115,091	116,337	118,287	59,817	5,111	178,104	183,215	299,552

Table 3b - Forest Unit Age Class Distribution, Area, and Volume Summary -- Gauthier Twp

Volume in Cubic Meters																		
Forest Unit	Age Class	Harvest Area Ha.	Reserve Area Ha.	Total Area Ha.	White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Other Conifer	Total SPF	Total Conifer	Poplar	White Birch	Other Hwd	Total Po/Bw
LC1	45	8	1	9	0	0	92	195	0	0	0	97	287	385	0	58	0	58
LC1	55	4	0	4	0	0	0	208	0	31	0	53	239	292	53	0	0	53
LC1	85	77	2	79	0	0	0	3,259	0	123	156	1,092	3,382	4,630	798	238	0	1,037
LC1	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LC1 Total		89	3	92	0	0	92	3,663	0	154	156	1,243	3,908	5,307	852	297	0	1,148
MW2	35	6	2	8	0	0	0	0	0	0	0	0	0	0	59	23	0	82
MW2	65	214	6	220	0	0	0	6,504	0	0	0	39	6,504	6,542	15,407	1,212	0	16,619
MW2	75	34	2	37	0	0	582	1,635	0	0	0	0	2,217	2,217	792	1,282	401	2,073
MW2	125	36	2	39	0	0	0	563	163	45	0	0	771	771	540	127	0	667
MW2 Total		290	13	303	0	0	582	8,701	163	45	0	39	9,491	9,530	16,797	2,643	401	19,440
PO1	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PO1	35	4	1	5	0	0	0	0	0	0	0	0	0	0	69	6	0	75
PO1	45	2	0	2	0	0	0	0	0	0	0	0	0	0	128	9	0	137
PO1	75	18	2	20	0	0	0	14	0	0	0	0	14	14	1,320	343	0	1,663
PO1	85	6	0	6	0	0	0	20	0	0	0	0	20	20	539	50	0	590
PO1 Total		30	4	34	0	0	0	35	0	0	0	0	35	35	2,056	408	0	2,464
SB1	45	7	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SB1	85	130	16	146	0	0	0	11,666	139	0	0	297	11,804	12,101	566	224	0	790
SB1 Total		137	16	153	0	0	0	11,666	139	0	0	297	11,804	12,101	566	224	0	790
SF1	45	1	0	1	0	0	6	0	0	0	0	0	7	7	0	8	0	8
SP1	35	30	2	31	0	0	641	10	0	0	0	3	651	653	218	0	0	218
SP1	45	87	0	87	0	0	2,152	1,215	0	0	0	503	3,367	3,870	0	451	0	451
SP1	55	1	0	1	0	0	7	2	0	0	0	0	10	10	0	4	0	4
SP1	75	23	6	30	0	0	445	1,554	385	0	0	0	2,384	2,384	603	652	0	1,255
SP1	85	56	3	59	0	0	1,333	4,226	277	0	0	76	5,836	5,912	1,348	181	0	1,528
SP1	105	2	1	3	0	0	90	181	0	0	0	0	270	270	43	0	0	43
SP1 Total		198	13	211	0	0	4,674	7,187	662	0	0	582	12,524	13,106	2,211	1,295	0	3,507
Total All Forest Units		745	48	793	0	0	5,348	31,251	964	200	156	2,161	37,762	40,079	22,482	4,867	401	27,349

Table 4 provides a summary of Non Productive area for the Kirkland Lake Forest and the Township of Gauthier Forest

Table 4		
Non-Productive Forest Land -- Summary by Owner		
Non-Productive Type	Owner	Total Area (Ha)
BSH	Gauthier	141.24
BSH	Town KL	297.58
	Subtotal	438.83
DAL	Town KL	14.74
	Subtotal	14.74
OMS	Gauthier	5.26
OMS	Town KL	122.36
	Subtotal	127.62
RCK	Town KL	57.18
	Subtotal	57.18
TMS	Town KL	60.91
	Subtotal	60.91
UCL	Town KL	67.30
	Subtotal	67.30
WAT	Gauthier	0.46
WAT	Town KL	171.37
	Subtotal	171.83
Total Non-Prod Area Ha.		938.41

2.8 Forest Units

A forest unit is an aggregation of forest stands for management purposes that have similar species composition, develop in a similar manner (both naturally and in response to silvicultural treatments), and are managed under the same silvicultural system. Determination of forest units is based on considerations such as site, economics and product requirements. For each forest unit, the natural development of the forest over time can be predicted and expressed graphically using forest development information in the form of yield curves.

Forest unit classification applies to the entire productive forest land base of the planning area. Forest unit classifications are also the unit of measure with respect to setting targets and reporting levels of achievement for harvesting and renewal. A total of eleven forest units were used for describing the planning area land base. They are summarized in **Table 5** and listed below for reference. **Table 6** describes the percentage contribution to total productive area and volume by forest unit.

2.8.1 Forest Unit Descriptions

The Forest Units used in this Agreement are as follows:

OH1 Consists of:

- tolerant hardwoods – Lh, Mh, Uh
- soft and hard maple, yellow birch uplands
- primary ecosites: 10, 16, 17
- secondary ecosites: 7a, b

SB1 Consists of:

- lowland pure black spruce, or black spruce dominated conifer lowland
- primary ecosites: 8, 11
- secondary ecosites: 12, 13p, 14, 1p, 9p

PJ1 Consists of :

- pure jack pine, usually on coarse sand
- primary ecosite: 2
- secondary ecosites: 4, 1p

LC1 consists of:

- lowland conifer, mixture of black spruce, larch and cedar
- primary ecosites: 12, 13r, 13p

- secondary ecosites: 8, 9p, 9r, 11, 14

PJ2 Consists of:

- jack pine dominated mixed conifer on sandy soils
- primary ecosite: 4
- secondary ecosites: 5m, 1p, 2

SP1 Consists of:

- black spruce pure upland (may contain jack pine)
- does not contain white spruce or cedar
- primary ecosites: 5f, 5m
- secondary ecosites: 1p, 4, 6c, 6m

SF1 Consists of:

- mixed conifer on moist mineral soil
- will contain white spruce (and often cedar)
- primary ecosite: 9r
- secondary ecosites: 6f, 6m, 6r, 1r, 7m, 7c, 10, 13r

PO1 Consists of:

- pure poplar and poplar-dominated hardwood mix
- primary ecosites: 10, 7c, 6m, 6c, 7f, 7m
- secondary ecosites: 3, 6f

BW1 Consists of:

- pure white birch and white birch dominated hardwood mix
- primary ecosite: 3
- secondary ecosites: 6m, 6c, 15, 20, 7m, 7c, 1r

MW1 Consists of:

- mixedwood on coarse soil
- primary ecosite: 3
- secondary ecosite: 6c

MW2 Consists of:

- mixedwood on moist and/or fine soils
- primary ecosites: 6f, 6m, 10, 6c, 7f

- secondary ecosites: 7m, 7c

Table 5 - Description of Forest Units for the Kirkland Lake Area LMA

Forest Unit		Forest Type	Working Group	Ecosite Type	Silvicultural	FRI Parameters & Criteria	Additional Information
Code	Name				System		
OH1	Other Hardwoods	Tolerant Hardwoods	Bw, Mh, Ms, By, Po, Pj, Ax, Sb, Sw, Ce	10, 15, 16, 7f, 7m	Clearcut	Lh + Mh + Uh >= 30	17 Ha. – Private Land Ms3 Po3 Bw2 B1 Stck 1.1 SC 2
SB1	Lowland Black Spruce	Conifer	Sb	8, 11, 9p, 9r, 12, 13p, 13r	Clearcut	Sb > 80 and Mh + Lh + Pr = 0 and Pw + Pj <= 10	197 Ha. – Private Land Sb9 La1 Stck 0.69 SC1.6
PJ1	Jack Pine Pure	Conifer	Pj	2, 1p, 1r, 4, 5m	Clearcut	Pj >= 0.7 and Po + Bw + Mh + Uh + Lh <= 20	29 Ha. – Private Land Pj9 Sb1 Stck 0.86 SC 1.95
LC1	Lowland Conifer	Conifer	Sb, La, Ce	12, 13p, 13r 9p, 9r	Clearcut	Sb + Ce + La >= 80 and Mh + Uh + Lh <=10	449 Ha. – Private Land Sb5 La4 Ce1 Stck 0.65 SC1.9
PJ2	Jack Pine Mixed	Conifer	Pj, Sb	4, 5m, 1p, 1r, 2, 3, 5f, 6m	Clearcut	Pj >= 0.5 and all conifer >= 70 and Bf + Sw + He + Pw + Ce + La <= 20 and Pj >= Sb	111 Ha. – Private Land Pj5 Sb2 Sw1 Po1 Bw1 Stck 0.74 SC 1.7
SP1	Upland Spruce	Conifer	Sb, Pj, Sw, Po, Bf, La	5f, 5m, 1p, 1r, 3, 4, 6m	Clearcut	Sb + Sw + Bf + Ce + La + Pw + Pj + Pr + He >= 70 and Bf + Ce + Pw + La + Sw + He <= 20 or Pj >= 30	1,414 Ha. – Private Land Sb4 Pj2 Sw1 Bw2 Po1 Stck 0.67 SC 1
SF1	Upland Spruce and Fir	Conifer Mixedwoods	Sb, Sw, Bf, Ce, La, Po, Pj, Bw	6m, 9p, 9r, 3, 6f, 6c, 7f, 7m, 10	Clearcut	All Conifer >= 70	337 Ha. – Private Land Sb3 Sw1 B1 Pj1 Ce1 La1 Bw1 Po1 Stck 0.63 SC 0.9
PO1	Poplar Mixed	Intolerant Hardwoods	Po	7f, 7m, 10, 6f, 6m, 6c	Clearcut	Po + Bw + Mh + Uh + Lh >= 70 and Po >= 50	371 Ha. – Private Land – Po6 Bw2 Sb1 Pj1 Stck 0.79 SC 2.6
BW1	White Birch Mixed	Intolerant Hardwoods	Bw	3, 7m, 6f, 6m, 6c, 7f	Clearcut	Po + Bw + Mh + Uh + Lh >=70	986 Ha. – Private Land Bw4 Po3 Sb1 Pj1 Sw1 Stck 0.7 SC2.7
MW1	Poplar and Birch with Jack Pine	Mixedwood	Po, Pj, Bw, Sb, Bf	3,6f, 6m, 6c	Clearcut	Conifer dominated by Pj and Pr	1,806 Ha. – Private Land Po3 Bw2 Pj2 Sb1 Sw1 B1 Stck 0.85 SC 2.3
MW2	Poplar and Birch with Spruce	Mixedwood	Bw, Po, Sw, Bf, Ce, La, Ms	3, 6f, 6m ,6c, 7f, 7m, 10	Clearcut	Conifer dominated by Sb, Sw, Bf	936 Ha. – Private Land Po3 Bw2 Sb3 Sw 1 B1 Stck 0.74 SC 2.3

Table 6. Percentage of productive forest area and volume by forest unit.

FU Name	Description	KIRKLAND LAKE		GAUTHIER	
		% of Area	% of Volume	% of Area	% of Volume
BW1	White Birch Mixed	24	22	0	0
LC1	Lowland Conifer	1	0	12	9
MW1	Poplar and Birch with Jack Pine	46	48	0	0
OH1	Other Hardwoods	0	0	0	0
MW2	Poplar and Birch with Spruce	9	6	47	47
PJ1	Jack Pine Pure	0	0	0	0
PJ2	Jack Pine Mixed	1	2	0	0
PO1	Poplar Mixed	2	2	4	4
SB1	Lowland Black Spruce	1	1	23	21
SF1	Upland Spruce and Fir	3	2	0	0
SP1	Upland Spruce	13	17	14	19
		100	100	100	100

2.9 Species Yield Curves

Ministry of Natural Resources Northeast Region pure species yield curves were used to calculate the stand volumes. These curves were developed using available growth and yield information from across the entire Northeast region. Although there are gaps in the verification of these curves for various site types and age classes, the data provides the best information currently available for pure, fully stocked stands by site class.

2.10 Natural Disturbances

2.10.1 Forest Fires

Forest fire management is the strategy of fire control and fire use (i.e. forest fires). The planning area land base falls within the East Fire Region 'Intensive Zone'. As such, every fire ignition receives a suppression response based on the following:

- Predicted behavior of the fire;
- The potential impact of the fire;
- The estimated cost of the response;
- Where within the intensive zone the fire occurs (i.e. parks);
- Determination as to whether there are opportunities for small scale beneficial fire management

2.10.2 Wind Events

Severe windstorms, thunder storms, tornados, heavy winds etc. have the potential to create areas of blow down or wind throw which are areas of blown down trees. In some situations the trees remain in tact and in other situations the trees are broken depending on the severity and intensity of the wind storm. This occurs on a variety of scales ranging from individual trees to large areas measured in hectares where all the trees have been flattened. In situations where large areas have been blown down these areas become primary targets for salvage operations to maximize the use of the blow down fibre before it no longer is suitable for forest resource processing facility operations.

2.10.3 Insects

The forest tent caterpillar and the spruce budworm have been the most visible forest insect over the past few years. Both of these insects defoliate the tree and can cause tree mortality over a number of years of infestation.

2.10.4 Diseases

There are no significant diseases causing extensive tree mortality currently within the planning area land base.

2.11 Other Forest Resource Values

The planning area landbase contains a wide array of forest resource values. The extensive mining background associated with Kirkland Lake has created a long history of land and resource use within the planning area and is significant in the local, regional and provincial context. Historically there have been very few access restrictions,

reflecting the fact that a majority of the planning area land base is owned by companies rather than individuals. Existing access into the planning area has been established over time and is currently used for achieving landowner objectives, mining and forestry resource extraction and exploration activities, and recreational activities such as hunting, fishing, snowmobiling, off road vehicle excursions, berry picking, camping and hiking. It must be emphasized however that as the planning area land base is privately owned, it is within the landowner's rights to impose access restrictions at any point in time.

Through the identification of values across the planning land base (e.g. habitat, fisheries, water quality, aquatic feeding areas, nesting areas etc.), and the implementation of the operational and area of concern planning process, areas of significant importance have been mapped and specific prescriptions have been prepared. These prescriptions detail the acceptable forest operational activities allowed within or adjacent to the identified value based on the level of protection necessary to ensure the continued viability of the value. The prescriptions can range from reserves (no operations allowed) to allowing normal operations to proceed. These operational prescriptions are based on an extensive set of management guidelines prepared by the Ministry of Natural Resources for forest operations.

2.11.1 Wildlife

The planning area landbase supports a wide variety of wildlife including; moose, deer, black bear, beaver, marten, fisher, mink, otter, fox, muskrat, lynx, squirrel, weasel, wolf, osprey, heron, hawks, owls, spruce and ruffed grouse, snowshoe hare, a wide variety of waterfowl and song birds. The wildlife has provided opportunities for hunting, trapping and viewing.

2.11.2 Fisheries

Sport fishing opportunities within the planning land base historically provided excellent social and economic opportunities to northern residents and visitors. These habitats are similar to those found throughout Northern Ontario's Boreal Forest. Cold water (e.g. Lake Trout, Brook Trout, Rainbow Trout, Splake and Whitefish) and cool water (e.g. Walleye, Northern Pike, Smallmouth Bass) lakes, rivers and streams have provided sport fishing opportunities.

2.11.3 Species at Risk

The following list identifies the Species at Risk that are present in the Kirkland Lake LMA Area:

Species at Risk Within the Kirkland Lake District

Common Name	Scientific Name	ESA designation	COSEWIC Designation
Black Tern	<i>Chlidonias niger</i>	Special Concern	Not at Risk
Bobolink	<i>Dolichonyx oryzivorus</i>	Threatened	Threatened
Golden Eagle	<i>Aquila chrysaetos</i>	Endangered	Not at Risk
Short-eared Owl	<i>Asio flammeus</i>	Special Concern	Special Concern (Schedule 3)
Whip-poor-will	<i>Caprimulgus vociferus</i>	Threatened	Threatened
Chimney Swift	<i>Chaetura pelagica</i>	Threatened	Threatened
Common nighthawk	<i>Chordeiles minor</i>	Special Concern	Threatened
Olive-sided fly catcher	<i>Contopus cooperi</i>	Special Concern	Threatened
Peregrine falcon	<i>Falco peregrinus anatum</i>	Threatened	Non-active (Schedule 1)
Canada Warbler	<i>Wilsonia canadensis</i>	Special Concern	Threatened
Rusty Blackbird	<i>Euphagus carolinus</i>	Not at Risk- Special Protection FWCA	Special Concern
Yellow Rail	<i>Coturnicops noveboracensis</i>	Special Concern	Special Concern
Monarch Butterfly	<i>Danaus plexippus</i>	Special Concern	Special Concern
Blanding's Turtle	<i>Emydoidea blandingii</i>	Threatened	Threatened

Note: This list is subject to change due to review of species by COSEWIC and COSSARO

The Bald Eagle, Aurora Trout and Peregrine Falcon are listed as endangered and the only known species occurring in the Timiskaming Forest appearing in the Species at Risk in Ontario (SARO) listing. If harvest operations are planned close to a known nesting site, the *Bald Eagle Habitat Management Guidelines* (OMNR, 1987) or *Peregrine Falcon Habitat Management Guidelines* (OMNR, 1987) as applicable were applied to ensure appropriate protection of habitat was afforded to these values

2.11.4 Forest Products Industries

Forestry is an important part of the Kirkland Lake area economy. There are currently several forest resource processing facility operations located in the area: Rosko Forestry Sawmill, Northern Pressure Treated Wood Ltd., and Cheminis Lumber Inc. (sawmill) Kirkland Lake Power Corporation uses wood chips and other debris for its co-generation plant. Tembec has a finger jointing facility in Kenogami, but that facility has been dormant for a number of years. From a regional perspective, Georgia-Pacific operates an oriented strand board facility in Englehart and EACOM Timber Corp. operates a large, random length conifer sawmill in Elk Lake (approximately 95 km southwest of Kirkland Lake). Additionally, there are a number of smaller companies that depend on the forest industry in the Kirkland Lake area.

2.11.5 Mining

Mining is also a key important economic driver within the Kirkland Lake area. Activity history dates back to the late 1800's with the discovery of gold and silver in the Kirkland Lake and Elk Lake areas. In 1906, gold was discovered at Swastika 5 km west of Kirkland Lake followed by the further discoveries in Kirkland Lake in 1911 (Bill Wright). The first gold production in the Kirkland Lake area from the Tough-Oakes (Toburn) property was in 1913, from Teck-Hughes in 1917, Lake Shore in 1918, Kirkland Lake Gold in 1919, Wright-Hargreaves in 1921, Sylvanite in 1927, and Macassa in 1933. Since 2003, there has been a very active resurgence of exploration and development activity, paralleling the rapid rise in gold prices.

2.11.6 Snowmobiling

Snowmobiling is an important winter recreational activity in northern Ontario. The planning area landbase falls within the Ontario Federation of Snowmobile Clubs (OFSC) District 14 (Timiskaming-Abitibi Trail Association). The Golden Corridor Snowdrifters is the local snowmobile club responsible for managing a series of snowmobile trails that cross parts of the planning area landbase through agreements with the landowners. The snowmobile club has benefited from the forest harvest and mining activities through utilizing the network of roads constructed for these activities.

2.12 Other Management Considerations

2.12.1 Patented Land Owner Objectives

The planning area landbase is comprised completely of private lands. During the term of this LMA, a landowner's initial objectives for a particular property may change which may affect proposed operations. An example of this would be the discovery of a mine and the subsequent development. These situations will be dealt with on a case-by-case basis through the development and implementation of the annual work schedule.

2.12.2 Forest Access

Access to the planning area will consist of a combination of constructing new roads and utilizing existing roads. The roads will cross both patented and Crown lands. Approval from the Ministry of Natural Resources is required for any new or existing access across Crown lands and from all landowners across private land. In addition any water crossings on private lands with drainage areas greater than 5 square kilometers have to be approved by the Ministry of Natural Resources, the Department of Fisheries and Oceans, and possibly the Canadian Coast Guard. Access location will be determined in advance of the annual work schedule and the necessary documentation, applications, permits, and approvals will be part of the annual work schedule submission depending on the access requirements. This is especially important when crossing patented land that is not part of the planning area landbase.

2.12.3 Timing of Operations

Scheduling of operations will be finalized during the development of the annual work schedule, based on directions received from the individual landowners. Issues that would be addressed could include: requested timing restrictions, type of access (e.g. winter (no gravel) versus spring/summer/fall (gravel)); harvested area renewal requirements and the appropriate silvicultural ground rules; operational issues (e.g. soil type, timber species, quality, quantity, terrain); and the timber quality and species specifications of the local forest resource processing facilities.

3.0 Guiding Principles and Objectives

3.1 Guiding Principles

Certain principles guide the municipalities in the management of this important resource:

- This Land Management Agreement (LMA) will be implemented consistently with the direction identified in the Official Plans for the municipalities
- The land base identified in this LMA is deemed by the councils of each municipality as a multi-use resource.
- The land base identified in this LMA will be managed according to objectives and principles established at the sole discretion of the elected municipal councils of each municipality.
- All activities within the land base identified in this LMA will be pursued in accordance with the purposes, procedures and permitted uses as defined in each municipality's Official Plan.
- Recreational and commercial activities are encouraged on the land base, however, in the context of this document:
 - Recreational pursuits in the forest are a privilege, not a right.
 - Commercial activities must support the economic and industrial development of the respective communities, support local employment generation, and ensure public access to the natural assets that are important contributors to the quality of life in our community.
 - Forest health and associated forest management (including harvest operations) may take precedence over recreational activities at the discretion of the appropriate councils(s).

The overriding goal of this LMA is to provide a sustainable framework to enable the Township of Gauthier and the Town of Kirkland Lake to receive the maximum return on their asset (in this case, forested lands). The return on this asset may be measured in terms of a monetary basis (in the case where there is a saleable commodity available), contribution to environmental quality or as a contribution to the social well-being of the community. Most likely, the return will be measured as a combination of these measures.

- Options to achieve the best returns include (but may not be limited to):

- sale or lease of the lands to other individuals, developers, forestry and/or mining companies
- manage the forest for short or long term supply of fibre to local mills
- retain the land in municipal ownership and explore opportunities for partnerships with appropriate user groups.
- Develop the properties for non-industrial (e.g. permanent or seasonal residential) use

Using the **Landowner Management Agreement Advice and Direction** (Kirkland Lake MNR, September 2008) as well as guidance from Municipal staff and input received during public consultation, a number of objectives, indicators and measures were identified.

From a global perspective, the European Union formulated the three pillars of sustainability at its Copenhagen Summit and with the Treaty of Amsterdam of 1997. Known as the "three-pillar model of sustainability", the principle states that sustainability not only comprises the natural heritage we pass on to the next generation but also the economic achievements and social institutions of our society, such as democratic political participation or peaceful conflict resolution. Sustainable development thus rests on an ecological, an economic and a social pillar. If one of the pillars gives way, the 'sustainability building' will collapse. (from NACHHALTIGKEIT, Goethe Institute:

<http://www.goethe.de/ges/umw/dos/nac/den/en3106180.htm>)

Three main objective groupings were utilized for this Plan, consistent with the above principle and are as follows:

- Economic Objectives
- Environmental Objectives
- Social Objectives

Although it is difficult, or perhaps impossible to fully achieve these very broad objectives on a relatively small landbase, the management of the municipal lands in this LMA will contribute to achieving long-term community sustainability.

These components can be described as follows:

Economic: Sustainable economic development practices help build local prosperity while preserving each community's sense of uniqueness. An economically sustainable community ensures resources are used in ways that maximize productivity, minimize pollution and waste, and meet the social needs of every member of society, both present and future.

By embracing sustainable economic development practices the Town of Kirkland Lake and Township of Gauthier are building a more prosperous community while positioning the region to achieve its social, cultural, and environmental sustainability goals.

Environmental: Healthy ecosystems offer an abundance of resources that can sustain and enhance human lives. In a sustainable community all individuals are responsible stewards of the natural environment, committed to making sustainable consumption choices across the spectrums of personal, business, and civic life. Resources are used efficiently and sustainably, without overtaxing the environment.

By embracing environmentally sustainable practices the Town of Kirkland Lake and Township of Gauthier are ensuring its land is both productive and beautiful now and into the future.

Social: Social sustainability is based on equity, diversity, connectivity, democracy, and a good quality of life. A socially sustainable community is marked by citizens contributing fully to their own wellbeing and engaging in community life. Building a more socially sustainable community reduces bureaucratic costs and creates a more democratic society by allowing citizens to be more self-determining.

By embracing socially sustainable practices the Town of Kirkland Lake and Township of Gauthier are ensuring our excellent quality of life can be both preserved and passed on to future generations.

Graphically, the intersection that is sought after, “sustainability” is depicted in Figure 4.

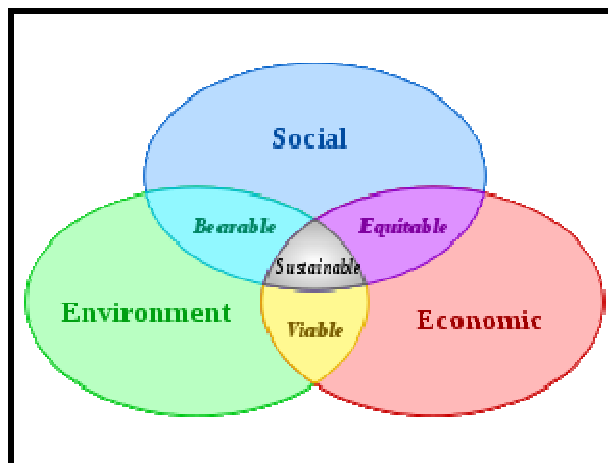


Figure 5. The Three Pillars of Sustainability

3.2 Economic Objectives

- **Objective 1: To Help Sustain Local Economies**

The volume of forest products harvested on municipally owned lands under the scope of this LMA will contribute to the supply of wood fibre to local forest resource processing facilities. By doing so, the communities depending upon the forest industry for employment and stability will continue to benefit from forest management activities on these private lands.

The selection of qualified forest operators (including harvest operators) and of receiving forest products mills will be guided by the direction of municipal council(s), in accordance with their respective procurement policies, in an open and transparent manner.

The movement of wood (i.e. the identification of approved destinations) will be consistent with the destinations approved for Crown timber on Private land.

Any economic benefits associated with the harvest of non-timber forest products (commercial blueberries, birch syrup etc) will also be guided by the objective of contributing to the local economy and within the appropriate environmental guidelines.

- **Objective 2: To provide forest resources based on an appropriate Annual Harvest Level**

Given the relatively small land base associated with this LMA, the calculation and implementation of a long-term sustainable annual harvest level is not appropriate. This approach would likely result in very small, inefficient operations that would require repeated road construction and set-up (i.e. equipment floating) costs.

The Municipalities will monitor the need and the market opportunities associated with harvesting the municipal blocks. The municipalities will also continue to evaluate opportunities for the sale of parcels on a case-by-case basis. At a maximum, harvesting will occur on all of the blocks that have reached their operable ages and conditions within the 10 year term of the Agreement.

In the event that all of the blocks identified in this Agreement are harvested, the following volumes are forecast:

From Kirkland Lake parcels: 115,000 m³ of SPF (11,500 m³/year)
59,000 m³ of white birch (5,900 m³/year)
118,000 m³ of poplar (11,800 m³/year)

From the Twp of Gauthier: 37,000 m³ of SPF (3,700 m³/year)
4,800 m³ of white birch (480 m³/year)
22,400 m³ of poplar (2,240 m³/year)

A silvicultural program that renews the areas harvested in accordance with the Silvicultural Ground Rules provided in this LMA will be implemented.

Additional volumes of secondary species, notably larch, cedar and white pine may also be harvested according to the appropriate Silvicultural Ground Rules, however no target is identified. Records of harvest and timber sales volumes will be maintained by the individual municipalities.

It is very likely that the municipalities will collaborate with First Resource Management Group (Agent for Timiskaming Forest Alliance Inc.—holder of the Sustainable Forest License for the Timiskaming Forest) in order to take advantage of economies of scale associated with regeneration efforts.

All forest operations will be conducted in compliance with the Forest Fire Prevention Act, and the annual company Fire Preparedness and Preventive Measure Plan. Forest operations will be conducted in accordance with procedures described in the “Guidelines for Modifying Forest Operations in Response to Fire Danger (1988)”.

3.3 Environmental Objectives

Through the identification of values across the planning land base (e.g. habitat, fisheries, water quality, aquatic feeding areas, nesting areas etc.), and the implementation of the operational and area of concern planning process, areas of significant importance have been mapped and specific protective prescriptions have been prepared. These prescriptions detail the level of acceptable forest operational activities allowed within or adjacent to the identified value based on the level of protection necessary to ensure the continued viability of the value. The prescriptions can range from reserves (no operations allowed) to allowing normal operations to proceed. These operational prescriptions are based on an extensive set of management guidelines prepared by the Ministry of Natural Resources for forest operations.

- **Objective 1: To Minimize the Environmental Impact of development and use of the Municipal Forest**

All forest management operations, will be undertaken using sound environmental practices such that any negative environmental impacts are avoided or minimized.

The **Guidelines for the Protection of the Physical Environment** and other related Environmental Protection Guidelines will be implemented where feasible.

The municipalities will ensure that the selection of contractors engaged for operations on this forest have the appropriate qualifications and training to carry out their scope of work.

- **Objective 2: To Maintain or Enhance Long-term Forest Health and Productivity**

In order to maintain the long term health of the municipal forest, Silvicultural Ground Rules (SGRs) based on those identified in the 2006 Forest Management Plan for the Timiskaming Forest (Crown Land Managed by Timiskaming Forest Alliance Inc.) have been adopted.

Road intensity will be minimized in order that the reduction to the forested area capable of growing commercial trees will be minimized. For the same reason, slashpiles will be minimized through processing at the stump, slash, piling and/or the redistribution of piled slash, burning, grinding and otherwise merchandizing of the slash. Landings will also be minimized.

Operational roads will have a right of way width of 20 meters unless a safety concern exists, in which case the road right of way will not exceed 25 meters. Where an access road passes through an area of concern the road right of way width will be 15 meters.

Site disturbance as a result of forest operations will be minimized through proper scheduling of operations (particularly operations of lowland site that are susceptible to rutting and other forms of disturbance). Forest operations on municipal forests will meet or exceed the requirements as described in the Stand and Site Guidelines that are applicable to Crown forest lands in Ontario (MNR, 2010). Seasonal operation restrictions (i.e. spring break-up) modify or suspend operations when site conditions become unfavorable.

The season of harvest will be identified for all blocks scheduled for harvest submitted in the annual work schedule.

Equipment selection and utilization will be discussed with the contractor and any restrictions to use will be identified within the terms of the contract

- **Objective 3: To Complement Crown Forest Management in the MNR Administrative District of Kirkland Lake**

Scheduling of operations will be completed with due consideration of adjacent Crown land activities. This could result in economic and ecological benefits to the landowner and forest respectively. More specifically, if there are harvest areas scheduled on Crown parcels adjacent to municipal parcels, consideration of harvesting on municipal parcels may be either delayed or expedited. The objective of this consideration is to either minimize the local impact of the harvest where blocks are relatively large, or to provide for economies of scale where both parcels are relatively small.

- **Objective 4: To Minimize the environmental Impact of Forestry Operations**

Sound environmental practices will be utilized such that any negative environmental impacts are minimized. Only trained operators/contractors will conduct forest operations in accordance with MNR approved guides related to the protection of the environment and the mitigation of harmful effects.

- **Objective 5: To Protect Natural Resource Values**

Sensitive habitat, particularly habitat associated with Species at Risk will be protected through the application of Area of Concern (AOC) prescriptions. These prescriptions, where possible are consistent with MNR-approved guides and guidelines, science, policy and legislation.

Within the limits of silviculture, harvest blocks will be regenerated to the pre-harvest species composition as much as possible. Wildlife cavity trees will be maintained that are representative of the pre-harvest species composition as well as downed woody debris. Productive forest reserves, productive forest areas ineligible for harvest, non-productive forested land and forest edge will be utilized to emulate natural disturbance patterns. The guidelines for the protection of the Physical Environment and other related Environmental Protection Guidelines will be implemented.

- **Objective 6: To recognize and protect Other Values**

In consultation with the landowners, the municipalities will continue to identify and mitigate management impacts on recreational and commercial non-timber forest resources, and other values on the planning land base.

The following guidelines and advice will be considered to address fish and wildlife concerns in planning forest operations:

- **Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales (MNR, 2010). Commonly referred to as the “Stand and Site Guide”.**
- **Management Guidelines and Recommendations for Osprey in Ontario** (Penak 1983)
- **Osprey Management Guidelines in Northeastern Ontario: A Review** (D’Eon and Watt 1994) Advice to be considered by the planning team
- **Bald Eagle Habitat Management Guidelines** (OMNR 1987)
- **Management Guidelines for the Protection of Heronries on Ontario** (Bowman and Siderius 1984)
- **Timber Management Guidelines for the Protection of Fish Habitat** (OMNR, 1988)

The municipalities anticipate that the MNR will continue collecting, updating and maintaining the “Natural Resource Values Information System” (NRVIS) database with

all known values documented for both the development and implementation of this Agreement.

Operators engaged for harvesting and/or silvicultural operations will be encouraged to notify MNR with location of new values encountered during operations.

- **Objective 7: To Conduct Forest Management Activities in Accordance with the Code of Good Forestry Practices**

Municipal forested land will be managed according to the code of good forestry practices, defined in the Forestry Act (R.S.O. 1990, CHAPTER F.26) as: “the proper implementation of harvest, renewal, and maintenance activities known to be appropriate for the forest and environmental conditions under which they are being applied and that *minimize detriments to forest values including significant ecosystems, important fish and wildlife habitat, soil and water quality and quantity, forest productivity and health and the aesthetics and recreational opportunities of the landscape*”

To achieve the aims of good forestry practice, this LMA addresses the types of silvicultural systems that may be applied to the land base. This includes harvest, renewal and maintenance operations.

3.4 Social Objectives

- **Objective 1: To facilitate multiple use of municipally owned lands**

As noted, several land use options are available for these parcels. The list is not intended to be all-inclusive. The Town of Kirkland Lake intends to utilize the forested lands as an asset and seeks the best return on these assets, through land sales, timber sales, retention or partnership.

Uses and values of other property users will be protected through the creation of Area of Concern prescriptions for such things as trails, cabins, and mining development areas. Consultation with users will be completed as required. AOC prescriptions are detailed in Section 4.8 and are further indicated on the parcel maps in Appendix 2.

Public consultation opportunities were held during the preparation of this Agreement and additional consultation occurred with specific groups with an interest in the landbase.

This Agreement was approved by the Councils of the Township of Gauthier and the Town of Kirkland Lake and further endorsed by the District Manager; Kirkland Lake Ministry of Natural Resources as per the dates identified on the signing page. Notices will be posted annually in the local newspaper that operations are intended on part(s) of the landbase during the upcoming year.

- **Objective 2: To provide opportunities for recreational activities on municipally owned forests**

The continued enjoyment of the diverse users of the land base depends on their understanding that forest management activities have priority. Recreational use of the land base is identified as an objective in the municipality's Official Plan (Kirkland Lake Official Plan Section 10.2 (3)). Sharing the benefits of access to the municipality's forested properties also relies on the user's respect of the forest environment and the rights of other users. To formalize expectations and responsibilities of certain users, Land Use Permission Agreements may be required for certain activities. These will be implemented on a case by case basis, at the sole discretion of each municipality's elected Council.

- **Objective 3: To facilitate the use and maintenance of trails on municipal lands**

The Town of Kirkland Lake and the Township of Gauthier do not presently construct or maintain any trails on the land base identified in this LMA, with the exception of cross country ski trails located adjacent to the Joe Mavrincac Community Complex and Kinross Park. All municipally owned lands identified in this LMA have existing networks of logging roads and skid trails, both old and new, which have been used to various extents by the public for recreational pursuits.

The Municipal governments accept no responsibility or liability for activities pursued on their land base that took place without their prior knowledge or written consent, nor do they accept any responsibility or liability for and disruption to such activities as may occur as a result of any forest management, forest health or associated forest operations instituted at the municipal government's behest.

Provisions for access through, or construction of new roads on, municipally owned lands is addressed in Section 3.2.3.5.

- **Objective 4: To maintain or enhance the opportunities for Snowmobiling on municipal forest lands**

The Golden Corridor Snowdrifters, the local club, are responsible for a series of snowmobile trails that cross parts of the planning area land base through agreements with the landowners. The club has benefited from the forest harvest and mining activities through utilizing the network of roads constructed for these activities. The Landowners have had good communication with the clubs and can easily address concerns, such as rerouting trails, when winter harvesting activities are planned, etc. As snowmobiling is restricted to the winter months when other recreational use is at a minimum, there is little potential for conflict with other forest users.

Provided that Land Use Permission Agreements are in effect between the landowners and the local snowmobile club, snowmobiling will be permitted on designated OFSC trails within the land base. With the prior consent of the municipalities, trails may be expanded or re-routed, provided they do not negatively affect forest management goals or other forest values.

- **Objective 5: To maintain or enhance the opportunities for Off-Road Motorized Vehicles (ORMVs) on municipally owned forest lands**

For the purpose of this plan, an ORMV is defined as any motorized vehicle except snowmobiles designed for off-road use that has a maximum gross vehicle weight of 400 kg. This includes all-terrain vehicles (ATVs) and motorcycles.

ORMV numbers are increasing dramatically province-wide. Thus, more ORMVs are more frequently using municipal properties for recreational use. However, unregulated and unrestricted use of ORMVs has resulted in problems in many jurisdictions. Trespassing, conflicts with other forest users and damage to the environment have resulted in complaints to municipal authorities. Nevertheless, most ORMV users are respectful of the forest and other users.

ORMV restriction would have a negative impact on hunters, trappers, tourism operators and occasional recreational users. Consequently, ORMV use is permitted within the municipal lands identified in this LMA. However, construction of new trails, or upgrading of existing trails, is prohibited unless authorized through a Land Use Permission Agreement. Furthermore, organized groups require Land Use Permission Agreements when conducting activities on municipal land. At the discretion of municipal authorities, ORMVs may be prohibited in some areas if:

- environmental damage is developing;
- conflict with other forest users is occurring.

- **Objective 6: To facilitate Public Use of Forest Roads on Municipally Owned Property and to provide a framework for the orderly construction of new roads through municipally owned forest**

Historically, neighbouring landowners, logging companies, timber licensees and other members of the public have requested permission to cross municipal properties or use roads located on municipal lands to access adjacent properties. Most of these requests have been granted, as the municipalities do not wish to interfere with the normal conduct of business. However, certain conditions, including environmental and liability considerations, must be met.

Requests for permission to use roads located on municipal property will be considered on a case-by-case basis. Providing conditions described in the Access Agreement are met, the municipalities may continue to allow the use or construction of access on municipal lands. At the discretion of municipal authorities, the municipalities may deny permission if the reason for the request does not, in the opinion of the municipal authorities, sufficiently address environmental and liability considerations.

- **Objective 7: To provide opportunities for hunting on municipally owned forests**

Hunting is a traditional institution in northeastern Ontario and remains popular with residents and tourists alike. It is a safe activity that contributes to public awareness of the forest as a unique environment and stimulates an interest in natural resource stewardship. It is also recognized as a valuable wildlife management tool.

Hunting will continue to be permitted on municipal lands. Hunters are required to be licensed and obey all regulations governing their sport, including seasons, bag limits, safety, etc. Only portable or temporary tree stands will be permitted. Also, hunters are expected to practice good land stewardship and report signs of natural forest damage (e.g., insect infestations, destructive beaver activity, wind thrown trees, etc.) or illegal activities (e.g., tree removal, garbage dumping, unauthorized hunting, etc.).

- **Objective 8: To contribute to Sport Fishing and Bait-Fishing opportunities accessed via municipally owned forests**

Like hunting, fishing is a time-honoured tradition enjoyed by many people in northeastern Ontario. Many species of fish can be found in the lakes encompassed by this LMA, including lake trout, speckled trout, pickerel, pike and smallmouth bass.

There are also many water bodies in and around the Town of Kirkland Lake and Township of Gauthier that are suitable for baitfishing (i.e., the capture of fish, frogs, leeches and crayfish). The Ontario Fishing Regulations define acceptable baitfish species and capture practices. In this highly regulated industry, both dealers and trappers require Provincial licenses.

Fishing is permitted within the land base covered by this Agreement, provided that all Provincial regulations are obeyed. Bait fishing is permitted only when authorized under a Land Use Agreement and under the provisions of the appropriate Provincial regulations.

- **Objective 9: To provide opportunities for the trapping of fur bearers on municipally owned forest**

Trapping is an important component in the management of furbearer populations in Northeastern Ontario. For decades, the OMNR has regulated provincial trapping to ensure the continued sustainability of the furbearer resource. In addition to limiting

their harvests according to OMNR regulations, trappers require licenses and written permission to trap on private property.

A land use agreement with the appropriate municipality is required to enable trapping on municipally owned lands.

- **Objective 10: To facilitate the Harvesting of Non-Wood Forest Products from municipal forest**

Increased public awareness of the value of many non-wood forest products, such as blueberries, raspberries, mushrooms, fiddleheads and medicinal plants, has increased the harvesting of these products throughout Ontario. Although collection for personal use has a negligible effect on the sustainability of any species, commercial harvesting can have negative impacts. Consequently, only personal harvesting of non-wood forest products is a permitted activity within the land base identified in this Agreement. Municipal authorities retain the right to restrict any such harvesting if, in their sole opinion, such harvesting interferes with other forest management, forest health and associated forest operations.

- **Objective 11: To address request for “Special Use” of municipally owned forests**

Historically, the municipalities frequently allowed organized groups to use municipally owned lands for special activities such as military training, scientific research, education, etc. Special uses of municipal lands will be considered on an individual basis. A Land Use Permission Agreement and/or Memorandum of Understanding must authorize any special use activities. This is necessary to ensure that:

- associated environmental impacts are acceptable and consistent with other municipal regulations and policies (namely the Official Plan)
- the impacts on other forest users are minimized;
- liability issues are addressed;
- and supervisory or policing interventions by municipal authorities are reduced.

- **Objective 12: To Prohibit Certain Activities**

Specific activities may be prohibited on a permanent or temporary basis at the sole discretion of the municipal councils.

4.0 Forest Management and Operational Planning

As noted in Section 3, the overriding goal of this document is to provide a framework for the municipalities to maximize the return on their forest assets.

The return on this asset may be measured in terms of a monetary basis (in the case where there is a saleable commodity available), contribution to environmental quality or as a contribution to the social well-being of the community.

Most likely, the return will be measured as a combination of these measures.

- Options to achieve the best returns include (but may not be limited to):
 - sale or lease of the lands to other individuals, developers, forestry and/or mining companies
 - manage the forest for short or long term supply of fibre to local mills
 - retain the land in municipal ownership and explore opportunities for partnerships with appropriate user groups.
 - Develop the properties for non-industrial (e.g. permanent or seasonal residential) use

The balance of Section 4 and Section 5 provide guidance to municipalities following a decision to harvest some or all of the forest resources within a given block or group of blocks.

4.1 *Areas Available for Forest Operations*

All areas within the planning landbase are publicly owned by either the Corporation of the Town of Kirkland Lake or The Township of Gauthier.

These parcels were considered to be available for harvest operations subject to the decision by the respective Councils that harvesting provided the best return to municipality (including, but not exclusively financial return).

Table 1 outlines the total productive area by forest unit and non-productive area by type of the planning landbase available for forest operations. The productive area by forest unit has been subdivided into available harvest and reserve areas. Forest unit volumes by species for the identified harvest area are included in Table 1. The total productive and non-productive landbase is 4,599 hectares (ha) with 940 ha available for forest operations in Gauthier and 3659 ha available in Kirkland Lake of which 347 ha were identified as “reserves” through the area of concern planning process, and 1,652 ha were identified as “non-productive” forest lands. Appendix 2 contains forest resource

inventory operational maps of the entire planning landbase by owner/agreement holder.

4.2 Available Areas Eligible for Forest Operations

All forest stands that make up the productive area of the planning landbase were amalgamated into Forest Units (FU) as per Section 2.8. Table 3a (Kirkland Lake) and 3b (Gauthier Township) summarize the harvest, reserve areas, and the volume for all productive forest by FU and ten-year age classes. The productive forest area was further refined by establishing operable ages for each FU as can be seen in in Table 7. Based on the ten year planning and operational term commencing in 2012/2013, any stand within each forest unit that is ten years younger than the following operable age will not be eligible for harvest. The rationale for stands being eligible ten years younger than the operational age is based on the forest continuing to grow during the term of this LMA. Stands ten years younger than the operable age will become eligible for operations in year ten of the LMA. Table 6 summarizes the relative areas and volumes of productive forest area by forest unit.

In order to verify volume estimates and other forest attributes prior to initiating a process to select a harvesting contractor, it is anticipated that the municipalities will conduct further inventory assessment.

Table 7 – Forest Unit Operable and Eligible Age Limits

Forest Unit	Forest Unit Description	Operable Age	Plan Eligible Age
BW1	White Birch Pure	60	50
LC1	Lowland Conifer	80	70
MW1	Mixedwood – jack pine	65	55
MW2	Mixedwood – spruce	75	65
OH1	Other Hardwoods	85	75
PJ1	Jack Pine Pure	65	55
PJ2	Jack Pine Mixed	65	55
PO1	Poplar Pure	60	50
SB1	Black Spruce Lowland	80	70
SF1	Spruce/Fir Upland	75	65
SP1	Spruce Upland	80	70

4.3 Operational Planning

The Kirkland Lake Area LMA outlines forest operational areas eligible for access, harvest, renewal, and maintenance activities for the ten year period 2012 to 2022. Virtual Earth Technologies produced the forest resource inventory (FRI) database for the planning area by overlaying the private land boundary/mining claim maps onto the FRI coverage utilized for the approved 2006-2026 Forest Management Plan for the Timiskaming Forest. The FRI database produced during this exercise was used to create the forest unit summaries, the volume by species summaries, the areas of concern, the operational block summaries and map sets utilizing the same FRI forest unit algorithms, area of concern database, and volumetric yield curves used in the approved Timiskaming Forest Management Plan. The FRI for this phase of operational planning was “grown” electronically to 2011.

Blocks were delineated to identify groups of stand for operations based on a combination of natural boundaries and attributes associated with the land claims and ownership.

The total available productive and non-productive planning landbase has been subdivided into a number of operational blocks, by owner, as outlined on the forest resource inventory operational maps in Appendix 2. Appendix 3 contain the operational stand summaries for each block detailing by FRI stand number: ownership, block number, township, mining claim or parcel identification, original patent timber reservation, forest stand number, forest unit, proposed depletion type, area, species composition, age, height, stocking, site class, and stand volume by species. Each operational block was further summarized into:

- Area eligible for harvest where the Crown owns All the Trees
- Area eligible for harvest where the Crown owns the Pine Trees
- Area eligible for harvest where the Crown does not own any of Trees
- Area ineligible for harvest where the Crown owns All the Trees
- Area ineligible for harvest where the Crown owns the Pine Trees
- Area ineligible for harvest where the Crown does not own any of Trees
- Area reserved from harvest where the Crown owns All the Trees
- Area reserved from harvest where the Crown owns the Pine Trees
- Area reserved from harvest where the Crown does not own any of Trees
- Area of Non-Productive Forest

Silviculture ground rules have been developed for each forest unit that defines acceptable harvest practices and renewal activities for all areas that are eligible for harvest.

As noted earlier in this document, this Plan provides for a framework for the Municipalities to manage their respective forest assets. To this end, further operational planning is expected to be completed IF the municipalities elect to harvest some or all of the parcels identified during the term of the plan.

Given the relatively large contiguous harvest areas included in the LMA, some consideration has been given to landscape scale harvest patterns and residuals within harvest areas.

The Stand Site Guidelines will be implemented as per the following excerpt from Section 3.2.2:

Operational planning will normally follow stand boundaries and/or natural features.

- *Operational planning will ensure that any point within a planned clearcut harvest area will have at least 25 ha of **mapped** residual forest within a 500 ha circle (or hexagon) about that point.*
 - *Mapped residual forest includes;*
 - *unallocated stands or portions of stands that meet the definition of residual forest,*
 - *stands or portions of stands scheduled for harvest that will retain residual forest,*
 - *residual forest within AOCs associated with known values.*

Normally, additional mapped residual forest that is required during operational planning will be preferentially retained so it is connected to the shoreline of a lake, pond, river, or stream that is within, or directly adjacent (<200m) to, the planned harvest area with a preference for areas of hydrological linkage (e.g., ephemeral streams, springs, seeps, groundwater discharge, etc). Otherwise, additional mapped residual may be connected to known values, located to encompass uncommon forest types, or located consistent with expected disturbance behavior.

A minimum of 5 ha of the mapped residual within any 500 ha circle (or hexagon) will belong to a patch greater than 5 ha

- *Implementation of the harvest plan will ensure that any point within a new clearcut harvest area will have at least 0.5 ha of residual within a 50 ha circle (or hexagon) about that point. Develop a condition on regular operations for areas where this residual is not mapped in advance.*
- *Mapped residual that is not serving any other purpose (AOC, specific habitat function, etc), and would otherwise be available for harvest, can be moved during operational implementation provided;*
- *The guidelines in this section are respected.*
- *The planned harvest area is not exceeded.*

- *The FMP (map, data product, etc.) specifically identifies those mapped residual polygons that are eligible for movement.*
- *Appropriate conditions on regular operations are developed to facilitate movement.*

4.4 Selection of Annual Areas of Operations

Prior to the submission of an Annual Work Schedule to allow operations to proceed, the municipalities will evaluate options for land use that include, but are not limited to:

- Outright sale of property
- Timber harvest operation
- Use and development for other purposes (e.g. residential/recreational development)
- Status quo (i.e. retain for public ownership and use)

If the municipal councils opt for timber harvesting, then the specific areas of operations will be selected during the preparation of the annual work schedule from the operational block listings in Appendix 3. The block summary areas will be used to define access, harvest, renewal, maintenance and monitoring activities for the annual work schedule.

Since much of the municipal forest is contained within relatively large, contiguous areas, the scheduling of harvest operations will proceed in a manner that addresses the maintenance of standing timber OR that the regenerated areas meet the target criteria as identified in Section 4.7.

The municipalities will then submit an Annual Work Schedule to the Ministry and proceed with applications for the required authorizations that may include, but not be limited to the following:

- Forest Resource Licence (if the Crown has ownership of some or all of the timber)
- Work Permit (if a water crossing is required on private land)
- Overlapping License Agreement with the Timiskaming Forest Alliance (if required)
- Authorization to Haul Unscaled Crown Wood

4.5 Forest Operations Prescriptions

Sections 4.5, 4.6, 4.7, and 4.8 of this LMA, with editorial modifications to ensure applicability and consistency with the LMA, were originally prepared and written for the Timiskaming Forest by Yves Vivier, RPF; Forest Program Manager and plan author of the FMP for the Timiskaming Forest.

Prescriptions for operations will follow the Silvicultural Ground Rules identified in this document and are consistent with the SGRs for Crown Land. Detailed prescriptions will also be provided in the Annual Submission to the MNR in accordance with the area of concern (AOC) planning requirements detailed in Section 4.8 and outlined on the forest resource inventory operational maps in Appendix 2. Where new or misidentified values are encountered during operations or during the term of the FMP the necessary area of concern planning as per Section 4.8 will be completed, the MNR will be notified and appropriate protection measures will be taken.

The preferred SGRs shown in Table 8 in Section 4.7 serve as the preliminary forest operation prescription (FOP) for harvest, renewal and maintenance/tending operations. FOPs are finalized during the preparation of the annual work schedule and are based on the operational block forest unit areas, silvicultural ground rules, other forest value area of concern planning, and any other management factors arising during the preparation of the annual work schedule or before operations are scheduled to start.

4.6 Silvicultural Ground Rules

The silvicultural ground rules (SGR's) found in Table 8 specify the silvicultural systems and types of harvest, renewal and tending treatments, which can be used to manage forest operations within the planning area land base. They also identify the type of forest that is expected to develop over time. SGR's define the acceptable range of treatments for the activities of harvest, renewal and tending which can be undertaken at various intervals throughout the life of individual forest stands. For each individual SGR, a combination of three major components is required; the current forest condition, the future forest condition and the associated silvicultural treatment package. The intended effect of these treatments is to ensure the successful renewal of the forest following harvest operations.

The rationale for the development of the SGRs is detailed in the Forest Management Plan for the Timiskaming Forest and is available publicly on line at:

The primary sources of information were as follows:

- **Silvicultural Guide to Managing Spruce, Fir, and Aspen Mixedwoods in Ontario's Boreal Forest**. Version 1.0, OMNR 2003
- **Understanding Silvicultural Ground Rules for the Boreal Forest**, Science for Planning Series, OMNR, 2000

The silvicultural ground rules provide the specifications, standards and other instructions that direct harvesting and silviculture on the planning landbase. For each forest unit and site type grouping, acceptable treatment sequences for the activities of harvest, renewal and tending are organized into Silvicultural Treatment Packages (STP) which identify the silvicultural system and harvest method, logging method, renewal and tending treatments. STPs specify regeneration standards, describe both the current and anticipated future forest condition, and identify any site limitations or hazard potential that must be considered when implementing proposed operations.

The use of forest ecosites provides information on tree species composition, understory vegetation and the soil, and allows for the uniform application of the silvicultural systems within the specific forest unit types. The ecosite is the fundamental element in determining post harvest succession and provides a link within the STP between the site type and the selected silvicultural treatment. Silvicultural intensity considerations, when selecting the preferred treatment package, included both the site productivity and the desired future forest stand description. The future forest stand description is based on the current average for the forest unit with the forecasted condition of stands estimated in consideration of intensively, basically and extensively treated sites.

The following describes some of the terminology found within **Table 10**.

Target trees include all tree species present in the "Desired Future Condition". Target trees are ecologically suited for the stand and their characteristics are consistent with the management objectives. Examples include poplar and white birch represented as target trees in both the PO1 and BW1 forest units respectively.

Acceptable Tree Species are species that are not necessarily part of the average species composition for the "Desired Future Condition", but are compatible with the ecological condition and management objectives.

Density targets define the line between a success (i.e. marginal) and failure of the stand regeneration and does not reflect the target forest condition.

4.7 *Silvicultural Strategies*

For each forest unit managed under the clearcut silvicultural system, a range of silvicultural treatment have been developed that may be subdivided into the following three silvicultural intensities:

- **Extensive** – These are lower-cost treatments that generally rely upon natural regeneration following harvest. They may or may not specify Careful Logging Around Advanced Growth (CLAAG), depending on the forest unit. The natural regeneration of MW2 forest unit on selected sites will benefit from a CLAAG treatment where advanced conifer component will be maintained. They also include modified clearcut techniques such as group seed trees for black spruce. Extensive treatments are most suitable for forest units whose major species possess the capacity to regenerate naturally (e.g. pure poplar stands). Typically, they only require modified harvest practices and the completion of regeneration surveys. Extensive treatment packages have been developed for all forest units.
- **Basic** – These are medium cost treatments associated with assisted natural regeneration, aerial seeding, partial cutting and/or fill plant treatments. Basic treatments may also include site preparation or tending. They will be applied to those forest units where the likelihood of success is high. Basic treatment packages have been developed for all the forest units except PO1.
- **Intensive** – These higher-cost artificial regeneration treatments characteristically include site preparation and planting techniques. They always involve planting nursery stock at normal to high densities and usually include some form of site preparation (e.g., mechanical, chemical, manual/hand scalping, or combinations) and maintenance/tending. Intensive treatments may be applied to portions of previously treated areas that fail to respond adequately to extensive or basic treatment. Intensive treatment packages have been developed for all the forest units except OH1.

It should be noted that any aerial tending scheduled is likely to be conducted in cooperation with First Resource Management Group (Agent for Timiskaming Forest Alliance Inc.) in order to share in the cost efficiencies associated with a larger aerial tending program.

The following silvicultural strategies and groundrules reflect appropriate levels of silvicultural intensity and are consistent with those identified in the Crown Trees on Patented Land Management Strategy For the Planning Period 2005-2015 (MNR, Kirkland Lake District, 2005).

Table 8 Preferred Silvicultural Ground Rules

Forest Unit	PJ1 (Pure Jack Pine)	SGR Code	PJ1_int	<i>Planting Density (stems per hectare)</i>	2200
<i>Composition</i>	Pj7Sb1Po1Bw1	<i>Desired FFC</i>	PJ1 Pj9Sb1	<i>Target Density (stems per ha)</i>	1750
Harvest Method		Clearcut (Conventional)		<i>Stand Age at Assessment (# of years since harvest)</i>	5
Logging Method		Full Tree		<i>Target Tree Species</i>	Pj
Site Preparation		Mechanical SIP		<i>Acceptable Species & minimum heights (meters)</i>	Pj (1.0), Sb (0.8), Po (1.0), Bw (1.0)
Regeneration Method		Plant*		<i>% of FFC composed of Target Species</i>	70

Forest Unit	PJ2 (Jack Pine Mixed)	SGR Code	PJ2_int	<i>Planting Density (stems per hectare)</i>	2200
<i>Composition</i>	Pj6Sb2Po1Bw1	<i>Desired FFC</i>	PJ2 Pj6Sb3Po1	<i>Target Density (stems per ha)</i>	1750
Harvest Method		Clearcut (Conventional)		<i>Stand Age at Assessment (# of years since harvest)</i>	5
Logging Method		Full Tree		<i>Target Tree Species</i>	Pj, Sb
Site Preparation		Mechanical SIP		<i>Acceptable Species & minimum heights (meters)</i>	Pj (1.0), Sb (0.8), Sw(0.8), Po (1.0), Bw (1.0), Pr (1.0)
Regeneration Method		Plant*		<i>% of FFC composed of Target Species</i>	70

* will require additional tending

Forest Unit	SP1 (Spruce Upland)	SGR Code	SP1_int	Planting Density (stems per hectare)	2200
Composition	Sb6Pj2Bw1Po1	Desired FFC	SP1 Sb7Pj2Bw1	Target Density (stems per ha)	1610
Harvest Method	Clearcut (Conventional)		Stand Age at Assessment (# of years since harvest)	5	
Logging Method	Full Tree		Target Tree Species	Pj, Sb	
Site Preparation	Mechanical SIP		Acceptable Species & minimum heights (meters)	Pj (0.8), Sb (0.5), Sw(0.5), Po (0.8), Bw (0.8)	
Regeneration Method	Plant*		% of FFC composed of Target Species	70	
Other Considerations	Harvest on frozen ground or use high floatation equipment (HFE)				

Forest Unit	SB1 (Black Spruce Lowland)	SGR Code	SP2_ext	Planting Density (stems per hectare)	conifer residual + artificial stems must >= 2200
Composition	Sb9La1	Desired FFC	SP1 Sb8La1Ce1	Target Density (stems per ha)	1750
Harvest Method	Clearcut (CLAAG)		Stand Age at Assessment (# of years since harvest)	5	
Logging Method	Full Tree		Target Tree Species	Sb	
Site Preparation	None		Acceptable Species & minimum heights (meters)	Pj (0.8), Sb (0.5), Sw(0.5), Bf (0.5), Po (0.8), Bw (0.8), Ce (0.3), La (0.3)	
Regeneration Method	Fill Plant		% of FFC composed of Target Species	80	
Other Considerations	Harvest on frozen ground or use high floatation equipment (HFE)				

Forest Unit	SF1 (Spruce / Fir Upland)	SGR Code	SF1_ext	Planting Density (stems per hectare)	conifer residual + artificial stems must >= 2200
Composition	Sb3Bf2Sw2Po2 Bw1	Desired FFC	SP1 Sb7Pj2Bw1	Target Density (stems per ha)	3000
Harvest Method		Clearcut (CLAAG)	Stand Age at Assessment (# of years since harvest)		5
Logging Method		Full Tree	Target Tree Species		Pj, Sb, Sw
Site Preparation		None	Acceptable Species & minimum heights (meters)		Pj (1.0), Sb (0.8), Sw(0.8), Bf (0.5), Po (1.0), Bw (1.0), Pw (0.8), Ce (0.3), La (0.3)
Regeneration Method		Fill Plant	% of FFC composed of Target Species		70
Other Considerations		Harvest on frozen ground or use high floatation equipment (HFE)			

Forest Unit	LC1 (Lowland Conifer)	SGR Code	LC1_ext	Planting Density (stems per hectare)	conifer residual + artificial stems must >= 2200
Composition	Sb5La3Ce2	Desired FFC	LC1 Sb5La3Ce2	Target Density (stems per ha)	1020
Harvest Method		Clearcut (CLAAG)		Stand Age at Assessment (# of years since harvest)	5
Logging Method		Full Tree		Target Tree Species	Sb, Ce, La
Site Preparation		None		Acceptable Species & minimum heights (meters)	Pj (0.5), Sb (0.3), Sw(0.5), Bf (0.3), Po (0.5), Bw (0.5), Ce (0.3), La (0.3)
Regeneration Method		Fill Plant		% of FFC composed of Target Species	80
Other Considerations	Harvest on frozen ground or use high floatation equipment (HFE)				

Forest Unit	MW1 (MixedWood – Jack Pine)	SGR Code	MW1_basic	Planting Density (stems per hectare)	conifer residual + artificial stems must >= 2200
Composition	Pj3Po3Bw2Sb1Sw1	Desired FFC	MW1 Pj3Po2 Sb2 Bw2Sw1	Target Density (stems per ha)	1610
Harvest Method		Clearcut (CLAAG)		Stand Age at Assessment (# of years since harvest)	5
Logging Method		Full Tree		Target Tree Species	Pj, Sb, Sw, Po, Bw, Pw
Site Preparation		Chemical SIP		Acceptable Species & minimum heights (meters)	Pj (0.8), Sb (0.5), Sw(0.5), Bf (0.5), Po (0.8), Bw (0.8), Pw (0.5), Pr (0.8)
Regeneration Method		Fill Plant		% of FFC composed of Target Species	85

Other Considerations	An alternative to chemical SIP may be the use of ground tending. The use of ground tending instead of chemical SIP must be approved by the ATR Forester.
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Forest Unit	MW2 (Mixed Wood Spruce)	SGR Code	MW2_ext	Planting Density (stems per hectare)	conifer residual + artificial stems must >= 2200
Composition	Bw3Sb3Po2Sw1Bf1	Desired FFC	MW2 Bw3Po3Sb2Sw1Bf1	Target Density (stems per ha)	>3000
Harvest Method		Clearcut (CLAAG)		Stand Age at Assessment (# of years since harvest)	7
Logging Method		Full Tree		Target Tree Species	Sb, Sw, Bf, Po, Bw
Site Preparation		Chemical SIP		Acceptable Species & minimum heights (meters)	Pj (0.8), Sb (0.5), Sw(0.5), Bf (0.5), Po (0.8), Bw (0.8), Pw (0.5), OtherToIHW (0.5)
Regeneration Method		Fill Plant		% of FFC composed of Target Species	85
Other Considerations	An alternative to chemical SIP may be the use of ground tending. The use of ground tending instead of chemical SIP must be approved by the ATR Forester.				

Forest Unit	BWP (White Birch Pure)	SGR Code	BWP_ext	Planting Density (stems per hectare)	n/a
Composition	Bw7Sb1Po1Pj1	Desired FFC	BWP Bw7Po1Sb1Pj1	Target Density (stems per ha)	>3000
Harvest Method		Clearcut (Conventional)		Stand Age at Assessment (# of years since harvest)	5
Logging Method		Full Tree		Target Tree Species	Po, Bw
Site Preparation		None		Acceptable Species & minimum heights (meters)	Pj (1.0), Sb (0.8), Sw(0.8), Po (1.0), Bw (1.0), Ce (0.3), OtherToIHW (0.5)

Regeneration Method	Natural	% of FFC composed of Target Species	70
Other Considerations	Success of treatment and prescription of further remediation is at the discretion of the ATR Forester if stems/ha is < 3000 upon assessment.		

Forest Unit	POP (Poplar Pure)	SGR Code	POP_ext	Planting Density (stems per hectare)	n/a
Composition	Po7Bw1Sb1Pj1	Desired FFC	POP Po8Bw1(Sb/Sw)1	Target Density (stems per ha)	>1750
<hr/>					
Harvest Method	Clearcut (Conventional)		Stand Age at Assessment (# of years since harvest)	5	
Logging Method	Full Tree		Target Tree Species	Po, Bw	
Site Preparation	None		Acceptable Species & minimum heights (meters)	Pj (1.0), Sb (0.8), Sw(0.8), Bf (0.5), Po (1.0), Bw (1.0)	
Regeneration Method	Natural		% of FFC composed of Target Species	70	
Other Considerations					

Forest Unit	IH (Poplar & White Birch)	SGR Code	IH_ext	Planting Density (stems per hectare)	n/a
Composition	Po4Bw4Sb1Pj1	Desired FFC	IH Po4Bw4Sb1Sw1	Target Density (stems per ha)	>3000
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Harvest Method	Clearcut (CLAAG)		Stand Age at Assessment (# of years since harvest)	7	

Logging Method	Full Tree	Target Tree Species	Po, Bw
Site Preparation	None	Acceptable Species & minimum heights (meters)	Pj (0.8), Sb (0.5), Sw(0.5), Bf (0.5), Po (0.8), Bw (0.8), Ce (0.3), OtherToIHW (0.3)
Regeneration Method	Natural	% of FFC composed of Target Species	70
Other Considerations	Success of treatment and prescription of further remediation is at the discretion of the ATR Forester if stems/ha is < 3000 upon assessment.		

Forest Unit	OH (Other Hardwood)	SGR Code	OH_ext	Planting Density (stems per hectare)	n/a
Composition	Bw3Sb3Po2Sw1Bf1	Desired FFC	OH Bw2Mh2Uh2 Lh1Sw1Sb1P o1	Target Density (stems per ha)	>3000
Harvest Method		Seed Tree Cut with Standards		Stand Age at Assessment (# of years since harvest)	5
Logging Method		Tree Length		Target Tree Species	Po, Bw, OtherToIHW
Site Preparation		None		Acceptable Species & minimum heights (meters)	Pj (1.0), Sb (0.8), Sw(0.8), Po (1.0), Bw (1.0), Pw (0.3), Ce (0.3), OtherToIHW (0.5)
Regeneration Method		Natural		% of FFC composed of Target Species	85
Other Considerations	Careful felling mandatory. Success of treatment and prescription of further remediation is at the discretion of the ATR Forester if stems/ha is < 3000 upon assessment.				

Forest Unit	PWR (White / Red Pine)	SGR Code	PWR_int	Planting Density (stems per hectare)	2200
Composition	Pw3Bw2Sb1Pr1Pj1 Sw1Po1	Desired FFC	PWR_H Pw5Sw2Pr1P o1Bw1	Target Density (stems per ha)	1000
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Harvest Method		Seed Tree Cut (with standards)		Stand Age at Assessment (# of years since harvest)	5
Logging Method		Tree Length		Target Tree Species	Sw, Pw, Pr
Site Preparation		Mechanical SIP		Acceptable Species & minimum heights (meters)	Sw (0.5), Po (0.8), Bw (0.8), Pw (0.5), Pr (0.8), OtherTolHW (0.3)
Regeneration Method		Plant*		% of FFC composed of Target Species	70
Other Considerations	Retain $\geq 4\text{m}^2/\text{ha}$ of BA of overstory Pw, Pr, Sw, CLAAG or Seed Tree				

4.8 Prescriptions for Areas of Concern

An area of concern (AOC) is a defined geographic area within the areas selected for operations which is adjacent to an identified value(s) within the planning area landbase as per the MNR's Natural Resources and Values Information System (NRVIS) used in the currently approved forest management plan for the Timiskaming Forest. Using the OMNR approved guidelines and implementation manuals, a detailed prescription was developed for each AOC in order to prevent, minimize or mitigate adverse effects of forest management operations on the value.

Prescriptions have been prepared for either individual AOC or groups of AOC's sharing a common value and selected prescription for protection. The prescriptions include reserves (i.e. no operations allowed), modified operations (i.e. specific conditions or restrictions on operations), or regular operations (i.e. in accordance with the silvicultural ground rules), individually or in combination.

The selected prescriptions for all AOC's within the areas available for operations are found in Table 10 of the Forest Management Plan for the Timiskaming Forest and have been included in this document (refer to Appendix 4 as the prescriptions are the same.) The AOC's are also clearly shown on the forest resource inventory operational maps in Appendix 2 where values mapping exists. In the case of a value encountered prior to, or during operations, appropriate prescriptions will be followed.

All areas of concern associated with water quality and fisheries concerns have reserves that are to be measured from the normal high water mark. This area is defined as the point where seasonal flooding resulting from spring run-off will not scour/erode the soil. Estimating the normal high water mark will be guided by the following principles:

- AOC reserves will be measured from the normal high water mark, which is considered to be the point where woody stems such as willow, dogwood and alder occur.

- Normal high water is defined as the outside edge of an open muskeg or grassland. The measurement of area of concern widths (i.e. regular, modified) will be made by measuring from the normal high water mark to determine where regular and/or modified operations are permitted.

- All wetlands (i.e. grasslands and open muskeg site types) which extend above the normal high water mark, within allocated stands, have had a standing timber riparian AOC prescribed. It is recognized that these wetlands provide the same protection from erosion, sedimentation, trapping nutrients etc. that standing trees do. However, a cautionary approach was taken for those grassland areas that extend beyond 90-metres from the stream or lake edge. An assessment of these sites must be made at the time of operations to determine its suitability in

providing for fish habitat and wildlife protection (i.e. abandoned beaver pond grassland versus a functioning wetland).

- All grasslands that extend beyond the 90m zones that have been subsequently determined to have low wetland function will have the reserve dropped.
- Where slope dependent AOC's intersect forested wetland (i.e. Treed muskeg) it will be treated as standing timber in the application of this rule. Treed muskeg is not treated as standing timber for moose aquatic feeding areas.
- Actual site conditions will be taken into account at the time of boundary marking (i.e. incorrect typing of stand boundaries for alder, grassland, tree muskeg, rock etc. as described on the Forest Resource Inventory maps). In the case of AOC boundaries, the actual stand conditions will be used for the purposes of establishing boundary lines within the planning area landbase.
- AOC widths will be occasionally adjusted downwards to account for the presence of backslope (i.e. area within the prescribed AOC where water flows away from the stream). In such cases, the AOC width will be the first standard buffer width greater than the distance to the crest of the slope (e.g. 49 metres, measure to the crest of the slope, will be marked as a 50 metre AOC ,or 31 metres measured to the crest of the hill, will be marked as a 50 metre AOC).

Moose aquatic feeding area reserves are measured from the edge of standing timber in order to provide cover and thermal refuge for moose utilizing the aquatic feeding area. Standing timber is defined as trees of any type or age classified as productive forest on the forest resource inventory maps. Brush species such as willow and alder are not considered standing timber within the moose aquatic feeding area of concern.

In order to link Table 10 and the AOC's identified on the operations maps a unique identifier will be used for each individual and group of areas of concern. The AOC identifier codes are outlined in Table 9

Table 9– Identifier Codes for Areas of Concern on Operational Maps

Areas of Concern Applicable to Municipal and Crown Ownership

AEM	Modified Aesthetic Reserve
AER	Aesthetic Reserve
BE	Bald Eagle Nest Site
CD	Cold Water Fisheries
CL	Cool Water Fisheries
CM	High Potential Cultural Heritage Site
HA	Red-shouldered or Cooper’s Hawk Nest Site
HE	Great Blue Heron Nest/Rookery Site
LW	Late Winter Moose Habitat Enhancement
LWM	Late Winter Moose Habitat (Modified Operations permitted)
MA	Moose Aquatic Feeding Area
MPP	Modified Park Prescription
NG	Northern Goshawk Nest Site
OS	Osprey Nest Site
SN	Common Raptor/Owl Nest Site
TL	Self Sustaining Trout Lakes
VM	Viewscape Management Area
CV	Cultural Value
RECTRAIL	Recreational Trail (e.g. Kirkland Lake x-Country Ski Trail)

Additional Areas of Concerns Specific to Municipal Concerns

W	Municipal Water Treatment Plant and Catchment Area
RES	Residential area or permanent residences

The location of access roads both inside and outside of the planning area landbase will be determined during the preparation of the annual work schedule. A clearly defined section of stream will be indicated as possible for tertiary road crossings where there are no significant impacts to critical fish habitat and it is reasonable to expect a crossing on the operational map.

5.0 Annual Work Schedule

5.1 Forest Operational Prescriptions

For each year of the ten year operational term of the Kirkland Lake Area LMA for which harvesting or renewal operations are proposed, an annual work schedule will be prepared detailing the forest operations. If no operations are forecast, the MNR will be notified accordingly.

Given the relatively small landbase addressed by this Agreement, it is very unlikely that harvesting will occur every year. It will be more likely that operations are consolidated and that the municipality will monitor the market for logs to take advantage of strong markets when they are available.

Mill Categorizations

A) Mills located within Kirkland Lake district that have a forest resource processing facility licence

Mill Name	Location	Accepted Wood
Chemini Lumber Inc.,	Larder Lake, Ontario	Conifer sawlogs
Eacom Timber	Elk Lake, Ontario	Spruce, Pine, Balsam Fir (SPF) sawlogs
Northern Pressure Treated Wood Ltd.,	Kirkland Lake, Ontario	Pine pole materials
Wagoshig Resources Inc.	Matheson, Ontario	Conifer and Hardwood Sawlogs
Rosko Forestry Operations Sawmill	Kirkland Lake, Ontario	Conifer and Hardwood Sawlogs
Georgia Pacific (GP Northwoods)	Englehart, Ontario	OSB aspen poplar & white birch

B) Mills not within Kirkland Lake district that have a forest resource processing facility licence

Mill Name	Location	Accepted Wood
Tembec (Timmins)	Timmins, Ontario	SPF sawlogs
Tembec (Cochrane)	Cochrane, Ontario	SPF sawlogs
Resolute Forest Products	Iroquois Falls, Ontario	Spruce pulpwood

Columbia Forest Products	Rutherglen, Ontario	White Birch Veneer
Commonwealth Plywood Co. Ltd.	Pembroke, Ontario	White Birch and Tolerant Hardwood Veneer
Pre-Cut Hardwood	North Bay, Ontario	White Birch sawlogs

C) Mills located within Kirkland Lake district without a forest resource processing facility licence

Mill Name	Location	Accepted Wood
Don Connors	Kenabeek, Ontario	Conifer and Hardwood sawlogs
Doug Mercer	Englehart, Ontario	Conifer and Hardwood sawlogs
Playford Mills	Englehart, Ontario	Conifer and Hardwood sawlogs

D) Any other Ontario Mill

Annual work schedules will commence on April 1st and end the following March 31st. They will be developed based on direction outlined in this document and be approved by the landowners prior to submission to the MNR for obtaining the necessary permits, licences, approvals, and authorizations required to commence forest operations. Forest operational prescriptions are site and stand specific operational plans that describe the forest management activities that will occur in each operational block. The forest operational prescriptions are based on achieving the objectives, indicators, and measures outlined in Section 3 of this FMP.

As a result of the operational dynamics associated with patented land, detailed forest operational prescriptions (FOP's) will be prepared for every harvest block submitted as part of the annual work schedule. These prescriptions will include updated parcel registries' verifying harvest block ownership, access routes and water crossings, harvest, renewal, maintenance/tending, monitoring and reporting activities as outlined in the silvicultural ground rules. In many cases, such as water crossings and forest renewal activities, the planning, forest operation prescription development and approval processes can span multiple years. The following section outlines the annual work schedule preparation process.

5.2 Annual Work Schedule Preparation Schedule

The municipalities will strive to provide the MNR with work schedules in a timely manner that allow MNR staff sufficient time to review. Work schedules will be prepared

during the fall/winter prior to the year of implementation and will be submitted to the MNR as follows unless alternate scheduling is agreed upon.

Time frame	Activity
Fall	Identification of proposed operations
December 31	AWS Submission to MNR
January	MNR AWS Review
January 31	MNR AWS Approval or MNR AWS Requested Revisions
If there are requested revisions:	
February 15	Revised AWS Submission to MNR
February 28	MNR AWS Approval based on Revisions
March	MNR prepares permits/licences/approvals/ Authorizations
If there are no requested revisions	
February/March	MNR prepares permits/licences/approvals/ Authorizations
April 1	Commence Operations

It is understood that a number of activities require agreements or approvals outside of the MNR’s mandate and have to be in place and be part of the AWS submission i.e. access agreements, Department of Fisheries and Oceans water crossing approvals, navigable waters approval etc.

5.3 Confirmation of Land Ownership

Prior to the submission of the AWS to the MNR a parcel registry title search will be completed for every parcel within every harvest block selected for operations to verify ownership, Crown reservations, and a copy of the original mining claim boundary meets and bounds survey map. These title searches will be included as an appendix in each annual work schedule prepared during the term of this Plan.

5.4 Selection of Operational Blocks for Inclusion in the Annual Work Schedule

The objectives, indicators, and measures outlined in Section 3 will guide the selection of areas for operations to be included in each AWS.

The total private productive and non-productive forest area covered by this LMA, as outlined in Table 2, totals 4599 hectares. Approximately twenty percent of the total area or 938 hectares is classified as non-productive and 80 percent or 3,661 hectares is classified as productive forest lands.

Due to the size and distribution of the private land parcels, the entire Agreement area was subdivided into operational blocks by ownership. The operational blocks were further subdivided into productive and non-productive forest lands. The productive forest landbase was subdivided by All Trees Reserved to the Crown (ATR) and Pine Trees Reserved to the Crown (PR). Both the PR and ATR classifications for each operational block were summarized into productive forest eligible for harvest (based on stand age or location), productive forest ineligible for harvest (based on stand age or location), and productive forest reserved from harvest as per the area of concern planning process. The non-productive forest area within each operational block was summarized. Total harvest and non-harvest area and volume summaries were produced for each operational block.

All operational blocks for any given year will be selected for inclusion in the annual work schedule from the operational blocks outlined on the maps in Appendix 2 and from the operational block listings in Appendix 3. Operational activities consist of access, harvest, renewal, maintenance, and monitoring programs.

The permanent removal or addition of areas to the LMA area and/or significant modifications to operational blocks or in forest management direction will be dealt with through amendments to this document. Changes in municipal direction that do not significantly impact the landbase will be dealt with at the operational block map and summary level. Modifications to operational areas will be made accordingly and incorporated into the AWS submission where required.

5.5 Access Planning

In the case of most of the blocks, access to allow for harvesting, hauling and silviculture is currently available via established all-weather roads. Where new access is required across Crown Land, it has been identified on the 1:20,000 maps (Appendix 2). Any access across Crown land, whether creating new or upgrading existing access, will require a

work permit from the MNR and is also likely to require an Overlapping License from Timiskaming Forest Alliance Inc.

Access will consist of both summer (frost free) and winter (frozen) road construction. Summer road construction is generally all weather gravel roads that remain in place for a number of years. Winter road construction is generally frozen mineral soil, organic material, snow and ice that remain in place for the winter only. Road maintenance is usually comprised of grading, snow plowing and sanding, washout repair, brushing and roadbase repair due to frost/water/sand hole development. Road corridor right of way widths through areas of concern will be 15 meters, and through non-harvest areas 20 meters. In some situations where line of sight becomes a safety factor, road corridor widths through non-harvest areas could be 25 to 30 meters. Both summer and winter access roads could be used for a number of years depending on location and number of operational blocks accessed.

In the event that access is required across private land, access agreements with the landowner(s) which give the right to harvest the access road right of way, construct and maintain the access road across the property will be developed. These agreements will vary in duration but have to remain in place for the necessary period of time to complete the planned operations, including harvesting and silviculture.

The private land agreements and work permit applications will be part of the AWS submission where feasible. It will be necessary in some situations to review and plan access roads well in advance of the AWS preparation to ensure the necessary agreements and permits are in place for the AWS submission. Access road construction and maintenance generally utilize bull dozers, excavators, rock trucks, dump trucks, graders, plow and sand trucks.

5.6 Water Crossings

All water crossings identified as part of an access road will be included in the AWS with the necessary documentation, applications, approvals, permits, and licenses. Each water crossing location will be assessed as to watershed size, cool or cold water fishery designation, other values, navigability, and permanent or temporary construction. Based on this information the type of crossing will be determined e.g. plastic or corrugated steel culvert, portable bridge, box culvert, or snow and ice. The type of crossing structure, the duration the crossing will be in place, the size of the crossing, and the values at the crossing location will dictate the level of approval which will be required. Water crossing approval timeframes have to be taken into consideration when developing the AWS.

All water crossings will be installed according to the applicable approvals and in accordance with the MNR's Environmental Guideline for Access Roads and Waters Crossings.

5.7 *Aggregate Extraction*

Aggregates used in the construction of access roads will come from several sources including pits on Crown land operated by existing pit holders, from private land pits and/or other commercial aggregate operations. If suitable aggregate is found within the municipally owned parcel, it will be excavated and utilized with operations conforming to currently accepted extraction methods. When aggregates are sourced outside of the planning landbase on private land an agreement with the landowner will be necessary prior to any extraction. When aggregates are sourced outside the planning landbase on Crown land an aggregate permit will be required prior to extraction.

5.8 *Harvest Prescriptions*

The guiding principle of this Agreement is to obtain the best return on the municipal asset. This may include the harvesting and sale of logs, however it does not guarantee that the parcel will be harvested.

If a parcel is selected by the municipality for harvest, the municipality will consider the objective related to the achievement of volume targets. The actual selection of harvest areas will be made from the operating blocks outlined on the maps in Appendix 2 and listings in Appendix 3. A harvest area selected in any given year can be comprised of either a part of an operational block or be multiple operational blocks combined together. Once the harvest areas have been selected, detailed forest operational prescriptions will be developed for each area that outline access, water crossings, other values and areas of concern, harvest practices based on the forest units to be harvested and the associated silvicultural ground rules. Season of harvest, snag retention, and the spatial distribution of residual non-harvest areas within the harvest blocks will also be considered and will be included in the AWS submission. The forest operational prescriptions will be based on information included in this Agreement, landowner direction, any updated values information that becomes available through the MNR, aerial photograph interpretation, and on site inspections.

Harvesting will be carried out according to currently accepted operating practices of the forest industry in the Northeast Region of the Ministry of Natural Resources. Harvesting will be comprised primarily of fully mechanized full tree to roadside techniques utilizing feller bunchers, grapple skidders, delimiters, processors slashers, log loaders, and log haul trucks. On occasion traditional cut and skid crews consisting of chainsaw and cable skidder crews will be utilized. There are two aspects to harvesting once all necessary agreements, permits, licences and approvals are in place:

1. All operational aspects associated harvesting the forest resource.
2. The sale of the harvested forest resource.

The processes for selecting companies/individuals to carry out the harvest operation and for the sale of the harvested forest resource will be conducted in an open and transparent manner consistent with the procurement policy of the applicable municipality.

All merchantable timber, as per the Crown Forest Sustainability Act's Scaling Manual, harvested and brought to roadside will be utilized. Marketing all merchantable tree species within operational blocks will be targeted whenever possible. As a result this will factor into the selection of the operational blocks based on current and anticipated markets conditions over the AWS period.

Roadside slash may be piled into haystack or cigar like configurations, where practical, to aid in the regeneration of the harvest area or utilized as biofuel where markets exist.

5.9 Operational Block Boundary Line Marking

All operational harvest boundaries will be marked by competent line markers prior to the commencement of operations. The boundaries will be marked with fluorescent harvest boundary ribbon utilizing the geographic information system shape files produced for each operational block, a global positioning system, the original patented mining claim survey description, and mining claim corner pins located in the field. When locating lines in the field the following checklist will be followed:

1. Evidence of a recent survey along the boundary line and updated survey map
2. Discovery of the original mining claim corner pins in the field or bearing tree establishment and field measurement to establish mining claim corner locations
3. Geographic Information System shapefiles and Global Positioning Systems

4. Existing boundary evidence

When it is felt that the confidence in the establishment of the boundary line location is weak, an acceptable boundary line location will be established through consultation and mutual agreement between the adjoining landowners. In the absence of establishing a mutually agreeable boundary line between landowners, the services of an Ontario Land Surveyor may be considered.

5.10 Selecting and Awarding Contractors

This Agreement covers lands owned by The Corporation of the Town of Kirkland and the Corporation of the Township of Gauthier. During the term of the LMA, contractors will be required to provide a number of services, including but not limited to the following activities:

- planning
- road construction and maintenance
- harvesting
- boundary line marking
- forest renewal and maintenance activities e.g., tree planting, site preparation, tending
- monitoring and inspecting

The selection of contractors will be managed by the municipalities, taking advantage whenever possible of synergies that increase efficiencies and reduce costs. The process governing contractor selection and forest resource sales will be consistent with the procurement policy of each municipality.

Preference will be given to contractors and prospective buyers who employ workers residing in their respective communities and deliver forest products to forest industry establishments located in or near their respective communities, the Kirkland Lake area, or the Timiskaming region.

Contractors will be selected as follows:

- Tender packages for services required will be prepared and will be made available to interested parties as per the municipality's procurement policy.
- Tender packages will include contract terms of reference, tender submission requirements and dates, clear identification of the sales area, approximate volumes (by species) available for harvest, clear identification of the services required under the contract, detailed forest operation prescriptions/contract specifications, and detailed operational maps.
- In areas where other economic, silvicultural or access factors may affect the ability of the municipalities to market timber, or in other eligible circumstances as defined in the municipal procurement policy, direct hiring of a contractor, without a tendering process, may be used.

Contract awards will follow each municipality's procurement policy and procedures.

5.11 Marketing of Harvested Forest Resources

The sale of harvested forest resources will be managed by the municipalities, taking advantage whenever possible of synergies that increase efficiencies and reduce costs.

All sales will be subject to a comprehensive sales agreement including, when applicable, a Terms of Reference that will include the Forest Operations Prescriptions for the tendered area. Terms of Reference are developed by municipal staff and will be reviewed with prospective contractors prior to the commencement of operations.

"Per unit sales tender" where the contractor pays for the forest products actually harvested and delivered or "lump sum sales tender" where the contractor pays a set price for harvesting an operational block, will be the preferred methods in most cases .

5.12 Renewal and Maintenance/Tending Activities

Renewal and maintenance activities will be based on the detailed forest operations prescriptions prepared for each operational block and included in the AWS. Renewal will consist of natural and artificial regeneration, site preparation and maintenance/tending activities by forest unit as outlined in the silvicultural ground rules in Section 4.6 and 4.7.

Natural regeneration is the renewal of the forest primarily through natural seed dispersion from seed trees and root suckering. Natural regeneration methods are often

used to regenerate hardwood (poplar and birch) forest units or conifer stands on shallow soils (less productive sites).

Artificial regeneration usually consists of mechanical (aerial) seeding or the planting of tree seedlings. Prior to seeding or planting, site preparation activities may be required to create suitable microsites or to control competing vegetation. In most cases mechanical site preparation, utilizing heavy equipment such as a power trencher, will precede both seeding and planting activities. Other types of site preparation practices available include: chemical - ground and aerial spraying, manual – kick and plant or any combination of mechanical, chemical and manual. Ideally, artificial regeneration occurs within one year following harvest. This allows the time necessary to site prepare the harvested area, collect tree seed if necessary, or have the tree seedlings grown for planting. Site preparation also can be applied to minimize the level of competing vegetation that can become established on the site.

Maintenance and tending activities for the LMA area consist of silvicultural techniques to help ensure the survival and growth of the new forest from either artificial or natural regeneration methods. Maintenance and tending activities include, but are not limited to, manual, mechanical, or chemical control of competing vegetation.

The annual work schedule will identify all areas that will be renewed naturally or artificially during that year; the number and species of trees to be planted; the species and number of seeds/hectare that will be applied during (aerial) seeding programs; the areas identified for natural regeneration by species; the areas that will be site prepared; the type of site preparation; the estimated number of tree seedlings to be grown for the following year's tree plant; the amount of tree seed to be collected to maintain the renewal program; the areas to be maintained or tended; and the type of maintenance or tending to be carried out.

The aerial application of chemical herbicides for site preparation or maintenance/tending activities, will be extremely difficult to undertake on the LMA area because of relatively small operating areas of private land often located in close proximity to urban areas. If herbicide or insecticide use on municipally owned land is prescribed, it will be conducted according to the following guidelines:

- Application must be supervised by a licensed applicator.
- Application must meet Ministry of Environment regulations as per the Pesticides Act (R.S.O. 1990).
- Adequate buffers must be applied to areas of concern such as water bodies, wetlands, streams and wildlife habitat.
- Buffers may also be required adjacent to private property.
- Sites treated must be indicated with appropriate signage at all access points of the treated area (roads, trails).

Contracts for the various renewal activities will be established as per Section 5.10.

5.13 Silviculture Program Funding

Funding of the silvicultural renewal program will be the responsibility of the municipality unless it is expressly indicated in the terms of the harvesting agreement. Crown stumpage payments on timber reserved to the Crown, harvested under this LMA, may have the renewal portion of the Crown Stumpage Fee waived through the forest resource licensing process. This money will be retained by the landowner (i.e. the municipality) for funding the renewal program.

5.14 Implementation

Forest operations will be implemented according to this LMA, approved AWS and the associated permits, licenses, approvals, and authorizations.

5.15 Inspection and Monitoring

All forest management operational activities will be monitored and inspected for compliance with the forest operation prescriptions. The terms and conditions of all contracts will detail penalties for non-compliance. Access and harvest operations will be inspected on a bi-monthly basis. All other forest management activities will be monitored and inspected as required and documented accordingly. Many types of inspection and reporting forms have been developed for monitoring and reporting on the various forest operational activities. Appendix 5 contains a sample of inspection and reporting forms that could be used in this LMA. Within three years of the completion of any forest management activity, the stand treated will be evaluated for the effectiveness of the silvicultural treatment.

5.16 Reporting on Forest Operations

An annual report will be produced and submitted to the MNR for each AWS operational year. The annual report will outline the areas and volumes harvested, the renewal activities undertaken, the access roads constructed and the water crossings installed and or removed and the results of the inspection and monitoring program. The annual report will include mapped locations of actual harvest boundaries, site preparation, and natural and artificial regeneration.

6.0 Agreement Amendments and Updates

This Agreement may be amended for the following reasons:

- Permanent removal or addition of areas to the agreement.

- Significant modifications in forest management direction for an operational block.

The Agreement may only be amended with the concurrence of both the MNR and the landowner.

7.0 Consultation and Review

7.1 Consultation

Consultation with the public and targeted audiences were carried out as follows:

Dec 21, 2010: Open Council Meeting Presentation

January 25, 2011: Public Information Session held at Hockey Heritage North

June 8, 2011: Kirkland District Game and Fish Protective Association (by invitation)

Further consultation will be carried out following the endorsement and during the implementation stages of the plan.

Comments were favourable toward the initiative, but concerns were made regarding planned silvicultural activities and Area of Concern prescriptions.

Notes from the Public Consultation Session are included in Appendix 6

7.2 Review

A Peer Review of the Draft Document was carried out by a Registered Professional Forester in the Province of Ontario. The review is included in Appendix 7.

8.0 List of Appendices

- Appendix 1 Reference and Source Materials
- Appendix 2 1:20,000 Private Land - FRI/ Parcel Maps
- Appendix 3 Operational Block Stand Volume Listing
- Appendix 4 Area of Concern Prescriptions
- Appendix 5 Operational Block Inspection Report (Blank Form to be used)
- Appendix 6 Notes from Public Consultation (edited for Protection of Privacy)
- Appendix 7 Peer Review

Appendix 1

Reference and Source Materials

Appendix 1

Reference and Source Material

- 1 Crown Trees on Patented Land Management Strategy For the Planning Period, 2005-2015, Ministry of Natural Resources, Kirkland Lake District
- 2 Landowner Management Agreement Advice and Direction Document, Kirkland Lake District Ministry of Natural Resources, September 2008
- 3 OMNR. November 2009. Forest Management Planning Manual for Ontario's Crown Forest. Toronto: Queen's Printer Canada. 447pp.
- 4 OMNR. November 2009. Forest Information Manual. Toronto: Queen's Printer Canada. 103pp.
- 5 OMNR. April 2007. Scaling Manual
- 6 Crown Forest Sustainability Act
- 7 Lakes and Rivers Improvement Act
- 8 Fish and Wildlife Conservation Act
- 9 Public Lands Act
- 10 Ontario Heritage Act
- 11 Fisheries Act
- 12 Species at Risk Act
- 13 Forest Management Planning Manual for Ontario's Crown Forests, 1996
- 14 Forest Operations and Silviculture Manual, 1995
- 15 Scaling Manual, Second Edition December 1, 2000
- 16 Forest Information Manual, April 2001
- 17 Silvicultural Guide to Managing for Black Spruce, Jack Pine, and Aspen on Boreal Forest Ecosites in Ontario (3 volumes), 1997
- 18 A Silvicultural Guide for the Great Lakes - St. Lawrence Conifer Forest in Ontario, 1998
- 19 A Silvicultural Guide for the Tolerant Hardwood Forest in Ontario, 1998
- 20 Boreal Mixedwood Notes - 1st 24 notes, September 2000
- 21 Silviculture Guide to Managing Spruce, Fir, Birch and Aspen Mixedwoods in Ontario's Boreal Forest, Version 1.0, May 2003
- 22 Timber Management Guidelines for the Protection of Cultural Heritage Resources, 1991
- 23 Timber Management Guidelines for the Provision of Moose Habitat, 1988
- 24 Timber Management Guidelines for the Protection of Fish Habitat, 1988
- 25 Forest Management Guidelines for the Provision of Marten Habitat, 1996
- 26 Forest Management Guidelines for the Provision of Pileated Woodpecker Habitat, 1996
- 27 Forest Management Guidelines for the Protection of the Physical Environment, 1997
- 28 Access Roads Manual, 1992
- 29 Environmental Guidelines for Access Roads and Water Crossings, 1988 (reprint, 1990)
- 30 Code of Practice for Timber Management Operations in Riparian Areas, 1991, amended April 1998
- 31 Management Guidelines and Recommendations for Osprey in Ontario, 1983
- 32 Habitat Management for Ontario's Forest Nesting Accipiters, Buteos, and Eagles, 1984
- 33 Forest Raptors and Their Nests in Central Ontario, 1998
- 34 Habitat Management Guidelines for Cavity-Nesting Birds in Ontario, 1984
- 35 Management Guidelines for the Protection of Heronries in Ontario, 1984
- 36 Bald Eagle Habitat Management Guidelines, 1987
- 37 Golden Eagle Habitat Management Guidelines, 1987
- 38 Guidelines for Providing Furbearer Habitat in Timber Management (draft, 1986)
- 39 A Field Guide to Forest Ecosystems of Northeastern Ontario, 2nd Edition May 2000. NESI Field Guide FG-001.
- 40 Forest Plants of Northeastern Ontario, 1996
- 41 Field Guide to the Autecology of Selected Crop Trees and Competitor Species in Northeastern Ontario, 1995
- 42 County of Renfrew - Renfrew County Forest Management Plan - 2006 - 2040 - Draft January 2007
- 43 Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. 2010

Appendix 2

1:20,000 Private Land –FRI/Mining Claims/Block Maps

Appendix 3

Operational Block Stand Volume Listing

Harvest Block TK20

Town KL	TK20	Teck	L9073		661	BSH	Non-Prod	1.3																			
Town KL	TK20	Teck	L9073		6172	WAT	Non-Prod	5.3																			
				Subtotal Block TK20 Non-Productive							18.7																
				Total Block TK20 Non-Harvest							22.8					0.0	0.0	142.3	110.9	69.6	48.0	0.0	0.0	197.8	108.1	0.0	676.7
				Total Block TK20 Harvest							81.2					0.0	0.0	2,258.2	2,141.3	1,220.8	848.0	0.0	47.1	3,534.4	2,045.1	0.0	12,094.8

Harvest Block TK22

Town KL	TK22	Teck	L2860	26065	UCL	Non-Prod	3.5																	
Town KL	TK22	Teck	L2860	27968	WAT	Non-Prod	0.4																	
Town KL	TK22	Teck	L2861	26065	UCL	Non-Prod	0.5																	
Town KL	TK22	Teck	L2861	31363	BSH	Non-Prod	2.8																	
Town KL	TK22	Teck	L2861	27968	WAT	Non-Prod	6.5																	
Town KL	TK22	Lebel	L4991	44466	UCL	Non-Prod	2.8																	
Town KL	TK22	Lebel	L4991	44762	OMS	Non-Prod	0.1																	
Town KL	TK22	Lebel	L6872	11056	OMS	Non-Prod	0.2																	
Town KL	TK22	Lebel	L6872	11957	WAT	Non-Prod	0.0																	
Town KL	TK22	Lebel	L6872	762	BSH	Non-Prod	1.2																	
Town KL	TK22	Lebel	L6872	27875	WAT	Non-Prod	0.0																	
Town KL	TK22	Teck	L7839	31363	BSH	Non-Prod	0.7																	
Town KL	TK22	Teck	L7839	28859	OMS	Non-Prod	3.7																	
Town KL	TK22	Teck	L7839	25558	UCL	Non-Prod	0.8																	
Subtotal Block TK22 Non-Productive							77.1																	
Total Block TK22 Non-Harvest							91.4						0.0	0.0	144.3	49.1	40.2	25.3	0.0	4.2	484.0	263.7	81.3	1,092.0
Total Block TK22 Harvest							101.6						40.4	0.0	1,524.0	597.7	438.4	294.6	0.0	12.8	3,624.2	2,059.0	355.3	8,946.6

Forest Management Plan - Operational Block Summary																										
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK23	Teck	L6729	PR	91609	SP1	AOC	0.0	SB 60PO 20PJ 10BW 10	75	11.0	0.80	1	0	0	1	3	0	0	0	0	2	0	0	6	
Subtotal Block TK23 PR Area of Concern								0.0						0.0	0.0	0.7	2.8	0.0	0.0	0.0	0.0	1.8	0.5	0.0	5.7	
Town KL	TK23	Teck	L16555	PR	1900	MW1	Harvest	8.5	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	156	2	2	0	0	0	435	114	0	708	
Town KL	TK23	Teck	L16555	PR	1900	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	0	0	0	0	0	0	1	0	0	2	
Town KL	TK23	Teck	L16555	PR	92603	SB1	Harvest	0.7	SB 80LA 20	105	10.0	0.40	3	0	0	0	18	0	0	0	4	0	0	0	22	
Town KL	TK23	Teck	L16555	PR	91609	SP1	Harvest	0.5	SB 60PO 20PJ 10BW 10	75	11.0	0.80	1	0	0	8	32	0	0	0	0	21	6	0	67	
Town KL	TK23	Teck	L16558	PR	1900	MW1	Harvest	11.1	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	203	2	2	0	0	0	566	148	0	921	
Town KL	TK23	Teck	L16558	PR	98896	MW1	Harvest	2.6	PO 30SB 20BW 20PJ 20SW 10	75	16.0	0.60	3	0	0	40	4	2	0	0	0	83	29	0	157	
Town KL	TK23	Teck	L16558	PR	92603	SB1	Harvest	0.3	SB 80LA 20	105	10.0	0.40	3	0	0	0	8	0	0	0	2	0	0	0	9	
Town KL	TK23	Teck	L6729	PR	1900	MW1	Harvest	6.3	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	115	1	0	0	0	0	321	84	0	522	
Town KL	TK23	Teck	L6729	PR	91609	SP1	Harvest	1.7	SB 60PO 20PJ 10BW 10	75	11.0	0.80	1	0	0	29	123	0	0	0	0	80	22	0	253	
Town KL	TK23	Teck	L6730	PR	1900	MW1	Harvest	12.2	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	223	2	2	0	0	0	623	163	0	1,014	
Town KL	TK23	Teck	L6813	PR	1900	MW1	Harvest	5.0	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	91	1	1	0	0	0	254	66	0	413	
Town KL	TK23	Teck	L6813	PR	98896	MW1	Harvest	3.0	PO 30SB 20BW 20PJ 20SW 10	75	16.0	0.60	3	0	0	46	4	2	0	0	0	94	33	0	179	
Town KL	TK23	Teck	L6813	PR	98896	MW1	Harvest	6.6	PO 30SB 20BW 20PJ 20SW 10	75	16.0	0.60	3	0	0	102	9	4	0	0	0	209	72	0	396	
Subtotal Block TK23 PR Harvest								58.6						0.0	0.0	1,012.3	207.2	16.0	0.0	0.0	5.1	2,686.4	735.6	0.0	4,662.5	
Town KL	TK23	Teck	L16555	PR	97007	MW2	Ineligible	3.9	SB 50PO 30LA 10BW 10	52	5.0	0.50	2	0	0	0	8	0	0	0	1	110	18	0	136	
Town KL	TK23	Teck	L16555	PR	97007	MW2	Ineligible	0.2	SB 50PO 30LA 10BW 10	52	5.0	0.50	2	0	0	0	0	0	0	0	0	7	1	0	8	
Town KL	TK23	Teck	L16555	PR	94504	SB1	Ineligible	0.3	SB 100	41	0.0	0.00	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK23	Teck	L16555	PR	99204	SP1	Ineligible	1.0	SB 70PO 30	67	10.0	0.30	1	0	0	0	28	0	0	0	0	25	0	0	53	
Town KL	TK23	Teck	L16558	PR	99204	SP1	Ineligible	0.0	SB 70PO 30	67	10.0	0.30	1	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK23	Teck	L6729	PR	97007	MW2	Ineligible	4.8	SB 50PO 30LA 10BW 10	52	5.0	0.50	2	0	0	0	10	0	0	0	1	137	22	0	170	
Town KL	TK23	Teck	L6730	PR	2613	SB1	Ineligible	0.1	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal Block TK23 PR Ineligible								10.3						0.0	0.0	0.0	45.6	0.0	0.0	0.0	2.7	277.9	41.0	0.0	367.2	
Town KL	TK23	Teck	L6730		410	RCK	Non-Prod	3.0																		
Town KL	TK23	Teck	L6813		2989	BSH	Non-Prod	2.1																		
Subtotal Block TK23 Non-Productive								5.1																		
Total Block TK23 Non-Harvest								15.4							0.0	0.0	0.7	48.4	0.0	0.0	0.0	2.7	279.6	41.5	0.0	372.8
Total Block TK23 Harvest								58.6							0.0	0.0	1,012.3	207.2	16.0	0.0	0.0	5.1	2,686.4	735.6	0.0	4,662.5

Forest Management Plan - Operational Block Summary																											
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters													
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total		
Town KL	TK24	Teck	L16589	ATR	1900	MW1	Harvest	13.3	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	241	3	3	0	0	0	0	0	675	176	0	1,098
Town KL	TK24	Teck	L16589	ATR	1900	MW1	Harvest	0.1	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	1	0	0	0	0	0	0	0	3	1	0	4
Town KL	TK24	Teck	L16589	ATR	1900	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Subtotal Block TK24 ATR Harvest								13.3							0.0	0.0	242.5	2.7	2.7	0.0	0.0	0.0	678.2	177.2	0.0	1,103.3	
Town KL	TK24	Teck	L16589	ATR	4413	PO1	Ineligible	1.3	PO 100	19	0.3	0.00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK24	Teck	L16589	ATR	2613	SB1	Ineligible	0.8	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal Block TK24 ATR Ineligible								2.0							0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Town KL	TK24	Teck	15750	PR	1900	MW1	AOC	0.1	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	2	0	0	0	0	0	0	0	7	2	0	11
Town KL	TK24	Teck	15751	PR	1900	MW1	AOC	0.5	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	9	0	0	0	0	0	0	0	24	6	0	39
Town KL	TK24	Teck	L16619	PR	1900	MW1	AOC	0.4	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	7	0	0	0	0	0	0	19	5	0	31	
Subtotal Block TK24 PR Area of Concern								1.0							0.0	0.0	17.7	0.2	0.2	0.0	0.0	0.0	49.6	13.0	0.0	80.6	
Town KL	TK24	Teck	15750	PR	1900	MW1	Harvest	6.2	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	113	1	1	0	0	0	0	315	82	0	513	
Town KL	TK24	Teck	15751	PR	1900	MW1	Harvest	1.0	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	18	0	0	0	0	0	0	49	13	0	80	
Town KL	TK24	Teck	15751	PR	1900	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK24	Teck	L16553	PR	1900	MW1	Harvest	9.3	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	170	2	2	0	0	0	0	474	124	0	772	
Town KL	TK24	Teck	L16553	PR	1900	MW1	Harvest	0.4	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	7	0	0	0	0	0	0	20	5	0	33	
Town KL	TK24	Teck	L16553	PR	6287	MW1	Harvest	0.0	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	0	0	0	0	0	0	0	1	0	0	2	
Town KL	TK24	Teck	L16554	PR	1900	MW1	Harvest	0.1	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	2	0	0	0	0	0	0	4	1	0	7	
Town KL	TK24	Teck	L16554	PR	1900	MW1	Harvest	10.1	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	184	2	2	0	0	0	0	515	135	0	838	
Town KL	TK24	Teck	L16619	PR	1900	MW1	Harvest	6.4	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	116	1	1	0	0	0	0	324	85	0	527	
Town KL	TK24	Teck	L6179	PR	1900	MW1	Harvest	0.2	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.80	3	0	0	3	0	0	0	0	0	0	9	2	0	15	
Subtotal Block TK24 PR Harvest								33.7							0.0	0.0	612.7	6.7	6.7	0.0	0.0	0.0	1,713.2	447.9	0.0	2,787.2	
Town KL	TK24	Teck	15750	PR	703	SP1	Ineligible	0.1	SB 60PO 30SW 10	52	6.0	0.40	2	0	0	0	0	0	0	0	0	0	3	0	0	3	
Town KL	TK24	Teck	15751	PR	703	SP1	Ineligible	0.1	SB 60PO 30SW 10	52	6.0	0.40	2	0	0	0	0	0	0	0	0	0	2	0	0	2	
Town KL	TK24	Teck	L16553	PR	703	SP1	Ineligible	2.7	SB 60PO 30SW 10	52	6.0	0.40	2	0	0	0	5	1	0	0	0	0	61	0	0	67	
Town KL	TK24	Teck	L16553	PR	99204	SP1	Ineligible	0.1	SB 70PO 30	67	10.0	0.30	1	0	0	0	2	0	0	0	0	0	2	0	0	3	
Town KL	TK24	Teck	L16554	PR	97007	MW2	Ineligible	1.4	SB 50PO 30LA 10BW 10	52	5.0	0.50	2	0	0	0	3	0	0	0	0	0	40	7	0	50	
Town KL	TK24	Teck	L16554	PR	703	SP1	Ineligible	0.7	SB 60PO 30SW 10	52	6.0	0.40	2	0	0	0	1	0	0	0	0	0	15	0	0	17	
Town KL	TK24	Teck	L16554	PR	703	SP1	Ineligible	1.1	SB 60PO 30SW 10	52	6.0	0.40	2	0	0	0	2	0	0	0	0	0	25	0	0	27	
Town KL	TK24	Teck	L16554	PR	906	SP1	Ineligible	1.6	SB 60PO 30SW 10	52	6.0	0.40	2	0	0	0	3	0	0	0	0	0	36	0	0	39	
Town KL	TK24	Teck	L16554	PR	99204	SP1	Ineligible	0.5	SB 70PO 30	67	10.0	0.30	1	0	0	0	14	0	0	0	0	0	12	0	0	26	
Town KL	TK24	Teck	L16619	PR	11717	MW2	Ineligible	0.9	PO 60SB 30SW 10	57	17.0	0.70	2	0	0	0	4	1	0	0	0	0	78	0	0	84	
Town KL	TK24	Teck	L16619	PR	11717	MW2	Ineligible	1.0	PO 60SB 30SW 10	57	17.0	0.70	2	0	0	0	4	1	0	0	0	0	83	0	0	89	
Town KL	TK24	Teck	L6179	PR	13615	BW1	Ineligible	0.9	BW 100	19	0.3	0.00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK24	Teck	L6179	PR	11717	MW2	Ineligible	1.6	PO 60SB 30SW 10	57	17.0	0.70	2	0	0	0	7	2	0	0	0	0	140	0	0	150	
Subtotal Block TK24 PR Ineligible								12.6							0.0	0.0	0.0	45.3	7.1	0.0	0.0	0.4	496.7	6.5	0.0	556.0	
Town KL	TK24	Teck	15750		23619	BSH	Non-Prod	5.8																			
Town KL	TK24	Teck	L16553		2989	BSH	Non-Prod	0.2																			
Town KL	TK24	Teck	L16589		410	RCK	Non-Prod	0.3																			
Town KL	TK24	Teck	L16589		23619	BSH	Non-Prod	3.6																			
Town KL	TK24	Teck	L16619		21035	UCL	Non-Prod	0.0																			
Town KL	TK24	Teck	L16619		23619	BSH	Non-Prod	5.6																			
Town KL	TK24	Teck	L6179		21035	UCL	Non-Prod	1.5																			
Town KL	TK24	Teck	L6179		23619	BSH	Non-Prod	3.3																			
Subtotal Block TK24 Non-Productive								20.3																			
Total Block TK24 Non-Harvest								35.9							0.0	0.0	17.7	45.5	7.3	0.0	0.0	0.4	546.3	19.5	0.0	636.7	
Total Block TK24 Harvest								47.0							0.0	0.0	855.2	9.4	9.4	0.0	0.0	0.0	2,391.4	625.1	0.0	3,890.5	

Forest Management Plan - Operational Block Summary

Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK25	Teck	15750	PR	6287	MW1	AOC	0.0	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK25	Teck	15751	PR	6287	MW1	AOC	0.2	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	4	0	0	0	0	0	0	8	4	0	15
Town KL	TK25	Teck	15751	PR	6287	MW1	AOC	1.4	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	26	0	0	0	0	0	0	55	29	0	110
Town KL	TK25	Teck	16551	PR	10098	LC1	AOC	0.4	SB 50LA 20CE 10PJ 10PO 10	57	14.0	0.40	0	0	0	3	15	0	0	1	4	4	0	0	0	28
Town KL	TK25	Teck	16551	PR	11299	MW1	AOC	0.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	0	0	0	0	0	0	1	0	0	0	1
Town KL	TK25	Teck	16551	PR	11299	MW1	AOC	0.4	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	7	0	0	0	0	0	0	19	5	0	31
Town KL	TK25	Teck	16551	PR	11299	MW1	AOC	0.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	16551	PR	9401	MW2	AOC	1.0	PO 40SB 20BF 20SW 10PJ 10	77	19.0	0.70	3	0	0	9	3	2	4	0	0	0	50	0	0	68
Town KL	TK25	Teck	16551	PR	9401	MW2	AOC	0.0	PO 40SB 20BF 20SW 10PJ 10	77	19.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	L1356	PR	15909	PO1	AOC	0.2	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	L1356	PR	14212	SB1	AOC	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	L1356	PR	14212	SB1	AOC	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	L16691	PR	16103	MW1	AOC	0.0	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	L16691	PR	15909	PO1	AOC	0.4	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	L16691	PR	15909	PO1	AOC	0.0	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	L16691	PR	15909	PO1	AOC	0.0	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Block TK25 PR Area of Concern								4.1							0.0	0.0	49.6	18.4	2.0	3.9	1.4	4.4	137.1	37.7	0.0	254.5
Town KL	TK25	Teck	15750	PR	6287	MW1	Harvest	1.4	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	26	0	0	0	0	0	55	29	0	111	
Town KL	TK25	Teck	15751	PR	6287	MW1	Harvest	0.1	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	2	0	0	0	0	0	4	2	0	8	
Town KL	TK25	Teck	15751	PR	6287	MW1	Harvest	0.0	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	0	0	0	0	0	0	1	0	0	2	
Town KL	TK25	Teck	15751	PR	6287	MW1	Harvest	10.3	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	188	2	2	0	0	0	395	206	0	793	
Town KL	TK25	Teck	15751	PR	9401	MW2	Harvest	0.0	PO 40SB 20BF 20SW 10PJ 10	77	19.0	0.70	3	0	0	0	0	0	0	0	0	3	0	0	3	
Town KL	TK25	Teck	15752	PR	6287	MW1	Harvest	13.0	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	236	3	3	0	0	0	496	258	0	996	
Town KL	TK25	Teck	16550	PR	6287	MW1	Harvest	9.5	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	173	2	2	0	0	0	364	189	0	730	
Town KL	TK25	Teck	16550	PR	16103	MW1	Harvest	2.4	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	46	7	7	0	0	0	123	32	0	214	
Town KL	TK25	Teck	16551	PR	6287	MW1	Harvest	0.6	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	11	0	0	0	0	0	22	12	0	45	
Town KL	TK25	Teck	16551	PR	6287	MW1	Harvest	0.1	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	2	0	0	0	0	0	3	2	0	7	
Town KL	TK25	Teck	16551	PR	11299	MW1	Harvest	0.1	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	2	0	0	0	0	0	5	1	0	7	
Town KL	TK25	Teck	16551	PR	11299	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	0	0	0	0	0	0	1	0	0	2	
Town KL	TK25	Teck	16551	PR	11299	MW1	Harvest	6.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	96	1	1	0	0	0	267	69	0	433	
Town KL	TK25	Teck	16551	PR	12101	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	16551	PR	13501	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	16551	PR	16103	MW1	Harvest	0.7	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	13	2	2	0	0	0	34	9	0	59	
Town KL	TK25	Teck	16551	PR	9401	MW2	Harvest	0.0	PO 40SB 20BF 20SW 10PJ 10	77	19.0	0.70	3	0	0	0	0	0	0	0	0	1	0	0	1	
Town KL	TK25	Teck	16551	PR	9401	MW2	Harvest	4.2	PO 40SB 20BF 20SW 10PJ 10	77	19.0	0.70	3	0	0	39	15	7	16	0	0	211	0	0	287	
Town KL	TK25	Teck	16551	PR	9401	MW2	Harvest	0.0	PO 40SB 20BF 20SW 10PJ 10	77	19.0	0.70	3	0	0	0	0	0	0	0	0	2	0	0	3	
Town KL	TK25	Teck	L1356	PR	6287	MW1	Harvest	0.2	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	3	0	0	0	0	0	7	4	0	14	
Town KL	TK25	Teck	L1356	PR	13004	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	0	0	0	0	0	0	1	0	0	1	
Town KL	TK25	Teck	L1356	PR	16205	MW1	Harvest	0.1	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	1	0	0	0	0	0	3	1	0	5	
Town KL	TK25	Teck	L1356	PR	16103	MW1	Harvest	12.1	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	231	33	33	0	0	0	619	160	0	1,076	
Town KL	TK25	Teck	L1357	PR	13004	MW1	Harvest	7.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	112	1	1	0	0	0	312	81	0	506	
Town KL	TK25	Teck	L1357	PR	15302	MW1	Harvest	0.1	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	1	0	0	0	0	0	4	1	0	6	
Town KL	TK25	Teck	L1357	PR	16205	MW1	Harvest	1.9	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	30	0	0	0	0	0	85	22	0	137	
Town KL	TK25	Teck	L1357	PR	13501	MW1	Harvest	0.1	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	2	0	0	0	0	0	4	1	0	8	
Town KL	TK25	Teck	L1357	PR	16103	MW1	Harvest	11.3	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	214	30	30	0	0	0	575	149	0	999	
Town KL	TK25	Teck	L1357	PR	16103	MW1	Harvest	0.5	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	10	1	1	0	0	0	26	7	0	46	
Town KL	TK25	Teck	L1357	PR	19304	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	L1357	PR	19304	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	L1357	PR	9401	MW2	Harvest	0.6	PO 40SB 20BF 20SW 10PJ 10	77	19.0	0.70	3	0	0	5	2	1	2	0	0	28	0	0	38	
Town KL	TK25	Teck	L16619	PR	6287	MW1	Harvest	1.6	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	28	0	0	0	0	0	60	31	0	120	
Town KL	TK25	Teck	L16691	PR	6287	MW1	Harvest	2.4	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	45	0	0	0	0	0	93	49	0	188	
Town KL	TK25	Teck	L16691	PR	6287	MW1	Harvest	0.3	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	6	0	0	0	0	0	12	6	0	24	
Town KL	TK25	Teck	L16691	PR	16103	MW1	Harvest	0.1	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	2	0	0	0	0	0	7	2	0	11	
Subtotal Block TK25 PR Harvest								86.9							0.0	0.0	1,526.3	99.9	90.7	18.9	0.0	0.0	3,821.7	1,323.8	0.0	6,881.3
Town KL	TK25	Teck	15752	PR	11708	LC1	Ineligible	1.6	SB 60LA 20PO 20	47	5.0	0.50	2	0	0	0	1	0	0	0	0	28	0	0	29	
Town KL	TK25	Teck	15752	PR	11708	LC1	Ineligible	0.0	SB 60LA 20PO 20	47	5.0	0.50	2	0	0	0	0	0	0	0	0	1	0	0	1	
Town KL	TK25	Teck	16550	PR	11708	LC1	Ineligible	3.2	SB 60LA 20PO 20	47	5.0	0.50	2	0	0	0	2	0	0	0	0	53	0	0	55	

Harvest Block TK25

Town KL	TK25	Teck	16551	PR	11708	LC1	Ineligible	2.0	SB 60LA 20PO 20	47	5.0	0.50	2	0	0	0	1	0	0	0	0	34	0	0	36
Town KL	TK25	Teck	16551	PR	10098	LC1	Ineligible	0.0	SB 50LA 20CE 10PJ 10PO 10	57	14.0	0.40	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	16551	PR	10098	LC1	Ineligible	0.0	SB 50LA 20CE 10PJ 10PO 10	57	14.0	0.40	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK25	Teck	16551	PR	10098	LC1	Ineligible	1.1	SB 50LA 20CE 10PJ 10PO 10	57	14.0	0.40	0	0	0	9	39	0	0	4	12	12	0	0	76
Town KL	TK25	Teck	L1356	PR	11708	LC1	Ineligible	4.2	SB 60LA 20PO 20	47	5.0	0.50	2	0	0	0	3	0	0	0	0	71	0	0	74
Town KL	TK25	Teck	L1356	PR	15909	PO1	Ineligible	3.6	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK25	Teck	L1356	PR	15909	PO1	Ineligible	0.0	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK25	Teck	L1356	PR	14212	SB1	Ineligible	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK25	Teck	L1357	PR	11708	LC1	Ineligible	1.9	SB 60LA 20PO 20	47	5.0	0.50	2	0	0	0	1	0	0	0	0	32	0	0	33
Town KL	TK25	Teck	L16691	PR	11708	LC1	Ineligible	1.1	SB 60LA 20PO 20	47	5.0	0.50	2	0	0	0	1	0	0	0	0	19	0	0	19
Town KL	TK25	Teck	L16691	PR	15909	PO1	Ineligible	0.2	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK25	Teck	L16691	PR	15909	PO1	Ineligible	0.0	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK25	Teck	L16691	PR	15909	PO1	Ineligible	0.0	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	
							Subtotal Block TK25 PR Ineligible	19.1						0.0	0.0	9.4	47.8	0.0	0.0	3.8	13.4	248.7	0.0	0.0	323.1
Town KL	TK25	Teck	L1356		23619	BSH	Non-Prod	0.2																	
Town KL	TK25	Teck	L15751		23619	BSH	Non-Prod	2.0																	
Town KL	TK25	Teck	L15751		2989	BSH	Non-Prod	0.9																	
Town KL	TK25	Teck	L15752		23619	BSH	Non-Prod	0.4																	
Town KL	TK25	Teck	L16551		9897	BSH	Non-Prod	0.7																	
Town KL	TK25	Teck	L16691		21035	UCL	Non-Prod	0.1																	
Town KL	TK25	Teck	L16691		23619	BSH	Non-Prod	6.4																	
							Subtotal Block TK25 Non-Productive	10.8																	
							Total Block TK25 Non-Harvest	34.0						0.0	0.0	59.0	66.2	2.0	3.9	5.2	17.9	385.8	37.7	0.0	577.6
							Total Block TK25 Harvest	86.9						0.0	0.0	1,526.3	99.9	90.7	18.9	0.0	0.0	3,821.7	1,323.8	0.0	6,881.3

Harvest Block TK26

Town KL	TK26	Teck	L6786	PR	15909	PO1	Ineligible	1.5	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	L6786	PR	15909	PO1	Ineligible	0.0	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	L6786	PR	15909	PO1	Ineligible	0.0	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	L6786	PR	15909	PO1	Ineligible	0.0	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	L6786	PR	14212	SB1	Ineligible	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	L6786	PR	14212	SB1	Ineligible	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	L6786	PR	14212	SB1	Ineligible	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RL505	PR	20312	SB1	Ineligible	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RL505	PR	20312	SB1	Ineligible	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RL505	PR	20312	SB1	Ineligible	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RL505	PR	23107	SF1	Ineligible	1.4	SB 30LA 30PO 20BF 10BW 10	42	4.0	0.60	2	0	0	0	0	0	0	0	24	6	0	30		
Town KL	TK26	Teck	RL505	PR	23107	SF1	Ineligible	0.4	SB 30LA 30PO 20BF 10BW 10	42	4.0	0.60	2	0	0	0	0	0	0	0	8	2	0	10		
Town KL	TK26	Teck	RW230	PR	15909	PO1	Ineligible	0.0	PO 100	41	1.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RW230	PR	15913	PO1	Ineligible	8.4	PO 100	41	2.1	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RW230	PR	14212	SB1	Ineligible	0.3	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RW230	PR	14212	SB1	Ineligible	0.2	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RW230	PR	14212	SB1	Ineligible	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RW230	PR	14212	SB1	Ineligible	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RW230	PR	14212	SB1	Ineligible	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RW230	PR	14212	SB1	Ineligible	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RW230	PR	20311	SB1	Ineligible	0.4	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RW230	PR	20312	SB1	Ineligible	0.1	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RW230	PR	20312	SB1	Ineligible	0.8	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RW230	PR	20312	SB1	Ineligible	0.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RW230	PR	20312	SB1	Ineligible	4.3	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK26	Teck	RW230	PR	23107	SF1	Ineligible	0.0	SB 30LA 30PO 20BF 10BW 10	42	4.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0		
Subtotal Block TK26 PR Ineligible								23.3					0.0	0.0	12.9	37.8	9.1	0.0	0.0	0.0	49.0	25.9	0.0	134.8		
Town KL	TK26	Lebel	L1449		33312	BSH	Non-Prod	2.9																		
Town KL	TK26	Lebel	L1449		27703	UCL	Non-Prod	2.2																		
Town KL	TK26	Lebel	L1480		23619	BSH	Non-Prod	8.1																		
Town KL	TK26	Teck	L6786		17610	OMS	Non-Prod	1.2																		
Town KL	TK26	Teck	L6786		18410	WAT	Non-Prod	0.6																		
Town KL	TK26	Teck	RL505		21713	OMS	Non-Prod	1.9																		
Town KL	TK26	Teck	RW230		21713	OMS	Non-Prod	0.6																		
Town KL	TK26	Teck	RW230		17610	OMS	Non-Prod	0.5																		
Town KL	TK26	Teck	RW230		18410	WAT	Non-Prod	0.2																		
Town KL	TK26	Teck	RW230		23619	BSH	Non-Prod	1.1																		
Subtotal Block TK26 Non-Productive								19.4																		
Total Block TK26 Non-Harvest								51.6							0.0	0.0	23.7	37.9	9.2	0.0	0.0	0.0	131.7	46.9	0.0	249.4
Total Block TK26 Harvest								49.8							0.0	0.0	824.0	28.6	28.6	0.0	0.0	0.0	2,275.0	592.2	0.0	3,748.4

Forest Management Plan - Operational Block Summary																										
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK28	Lebel	L8861	ATR	32125	MW1	Harvest	5.5	BW 40PJ 20PO 20SW 10SB 10	65	13.0	0.90	2	0	0	160	18	18	0	0	0	0	220	213	0	629
Town KL	TK30	Lebel	L8862	ATR	32125	MW1	Harvest	11.2	BW 40PJ 20PO 20SW 10SB 10	65	13.0	0.90	2	0	0	325	36	37	0	0	0	0	446	431	0	1,275
Subtotal Block TK28 ATR Harvest								16.7						0.0	0.0	485.3	53.5	55.2	0.0	0.0	0.0	666.0	644.2	0.0	1,904.2	
Town KL	TK30	Lebel	L8862	ATR	32125	MW1	AOC	1.2	BW 40PJ 20PO 20SW 10SB 10	65	13.0	0.90	2	0	0	36	4	4	0	0	0	0	49	48	0	141
Subtotal Block TK30 ATR Area of Concern								1.2						0.0	0.0	36.0	4.0	4.1	0.0	0.0	0.0	49.4	47.8	0.0	141.3	
Town KL	TK28	Lebel	L8861	ATR	32229	BW1	Ineligible	0.0	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK28	Lebel	L8861	ATR	32229	BW1	Ineligible	0.0	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK28	Lebel	L8861	ATR	33327	BW1	Ineligible	0.3	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	3	0	0	0	0	0	0	4	14	0	21
Subtotal Block TK28 ATR Ineligible								0.3						0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	13.6	0.0	20.6
Town KL	TK28	Lebel	L1873	PR	53832	BW1	AOC	0.1	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	4	3	0	8
Town KL	TK28	Lebel	L1873	PR	32125	MW1	AOC	0.0	BW 40PJ 20PO 20SW 10SB 10	65	13.0	0.90	2	0	0	1	0	0	0	0	0	0	2	1	0	4
Subtotal Block TK28 PR Area of Concern								0.1						0.0	0.0	1.1	0.6	0.1	0.2	0.0	0.0	5.7	4.1	0.0	11.8	
Town KL	TK28	Lebel	L1873	PR	53832	BW1	Harvest	6.2	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	36	0	16	0	0	0	326	210	0	588
Town KL	TK28	Lebel	L1873	PR	32125	MW1	Harvest	3.0	BW 40PJ 20PO 20SW 10SB 10	65	13.0	0.90	2	0	0	88	10	10	0	0	0	120	116	0	343	
Town KL	TK28	Teck	L2880	PR	30712	MW1	Harvest	2.9	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	47	0	0	0	0	0	131	34	0	213	
Town KL	TK28	Teck	L2880	PR	32125	MW1	Harvest	5.6	BW 40PJ 20PO 20SW 10SB 10	65	13.0	0.90	2	0	0	161	18	18	0	0	0	221	214	0	632	
Town KL	TK28	Teck	L5941	PR	32125	MW1	Harvest	2.6	BW 40PJ 20PO 20SW 10SB 10	65	13.0	0.90	2	0	0	76	8	9	0	0	0	104	101	0	299	
Subtotal Block TK28 PR Harvest								20.3						0.0	0.0	371.8	71.8	37.2	16.0	0.0	0.0	902.8	675.7	0.0	2,075.3	
Town KL	TK28	Teck	L2880	PR	18519	BW1	Ineligible	0.0	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK28	Teck	L2880	PR	18519	BW1	Ineligible	0.0	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	0	0	0	0	0	0	0	0	1	0	2
Town KL	TK28	Teck	L2880	PR	32229	BW1	Ineligible	0.0	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK28	Teck	L5941	PR	18519	BW1	Ineligible	10.3	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	90	0	0	0	0	0	118	408	0	617	
Town KL	TK28	Teck	L5941	PR	18519	BW1	Ineligible	0.9	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	8	0	0	0	0	0	0	11	37	0	55
Subtotal Block TK28 PR Ineligible								11.2						0.0	0.0	98.7	0.0	0.0	0.0	0.0	0.0	0.0	129.0	446.6	0.0	674.4
Town KL	TK28	Lebel	L1873		37628	TMS	Non-Prod	2.2																		
Town KL	TK28	Lebel	L1873		35824	OMS	Non-Prod	0.2																		
Town KL	TK28	Teck	L2880		30821	UCL	Non-Prod	0.1																		
Town KL	TK28	Teck	L2880		32122	UCL	Non-Prod	3.3																		
Town KL	TK28	Teck	L2880		30819	BSH	Non-Prod	0.1																		
Town KL	TK28	Teck	L2880		23619	BSH	Non-Prod	2.1																		
Town KL	TK28	Teck	L5941		21035	UCL	Non-Prod	0.1																		
Town KL	TK28	Teck	L5941		32122	UCL	Non-Prod	0.3																		
Town KL	TK28	Teck	L5941		23619	BSH	Non-Prod	0.0																		
Town KL	TK28	Lebel	L8861		30821	UCL	Non-Prod	0.0																		
Town KL	TK28	Lebel	L8861		32122	UCL	Non-Prod	1.6																		
Subtotal Block TK28 Non-Productive								10.0																		
Total Block TK28 Non-Harvest								22.9							0.0	0.0	138.9	4.6	4.2	0.2	0.0	0.0	188.1	512.2	0.0	848.2
Total Block TK28 Harvest								37.0							0.0	0.0	857.0	125.4	92.5	16.0	0.0	0.0	1,568.7	1,319.9	0.0	3,979.5

Forest Management Plan - Operational Block Summary																										
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK29	Teck	RL501	PR	30712	MW1	AOC	0.1	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	2	0	0	0	0	0	5	1	0	8	
Subtotal Block TK29 PR Area of Concern								0.1						0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	5.1	1.3	0.0	8.3	
Town KL	TK29	Teck	RL501	PR	30712	MW1	Harvest	6.4	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	103	1	1	0	0	0	285	74	0	463	
Town KL	TK29	Teck	RL502	PR	30712	MW1	Harvest	6.8	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	108	1	1	0	0	0	301	79	0	489	
Town KL	TK29	Teck	RL503	PR	30712	MW1	Harvest	1.4	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	23	0	0	0	0	0	63	16	0	102	
Town KL	TK29	Teck	RL503	PR	18213	MW1	Harvest	0.1	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	3	0	0	0	0	0	7	2	0	12	
Town KL	TK29	Teck	RL504	PR	18213	MW1	Harvest	0.1	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	3	0	0	0	0	0	8	2	0	13	
Subtotal Block TK29 PR Harvest								14.9						0.0	0.0	238.9	2.2	2.2	0.0	0.0	0.0	663.9	173.0	0.0	1,080.2	
Town KL	TK29	Teck	RL501	PR	18519	BW1	Ineligible	1.1	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	10	0	0	0	0	0	13	45	0	67	
Town KL	TK29	Teck	RL502	PR	18519	BW1	Ineligible	0.8	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	7	0	0	0	0	0	9	31	0	47	
Town KL	TK29	Teck	RL503	PR	18519	BW1	Ineligible	4.7	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	42	0	0	0	0	0	54	188	0	284	
Town KL	TK29	Teck	RL503	PR	20312	SB1	Ineligible	0.1	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK29	Teck	RL503	PR	23107	SF1	Ineligible	2.0	SB 30LA 30PO 20BF 10BW 10	42	4.0	0.60	2	0	0	0	0	0	0	0	0	34	9	0	43	
Town KL	TK29	Teck	RL504	PR	18519	BW1	Ineligible	11.4	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	101	0	0	0	0	0	132	456	0	688	
Town KL	TK29	Teck	RL504	PR	15913	PO1	Ineligible	0.9	PO 100	41	2.1	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK29	Teck	RL504	PR	23107	SF1	Ineligible	2.1	SB 30LA 30PO 20BF 10BW 10	42	4.0	0.60	2	0	0	0	0	0	0	0	0	36	9	0	45	
Subtotal Block TK29 PR Ineligible								23.2						0.0	0.0	159.0	0.0	0.0	0.0	0.0	0.0	277.8	736.4	0.0	1,173.2	
Town KL	TK29	Teck	RL501		32122	UCL	Non-Prod	0.2																		
Town KL	TK29	Teck	RL501		27117	UCL	Non-Prod	3.4																		
Town KL	TK29	Teck	RL501		23619	BSH	Non-Prod	5.9																		
Town KL	TK29	Teck	RL502		27117	UCL	Non-Prod	0.6																		
Town KL	TK29	Teck	RL502		23619	BSH	Non-Prod	10.1																		
Town KL	TK29	Teck	RL503		21035	UCL	Non-Prod	0.7																		
Town KL	TK29	Teck	RL503		23619	BSH	Non-Prod	6.0																		
Town KL	TK29	Teck	RL504		21035	UCL	Non-Prod	0.2																		
Town KL	TK29	Teck	RL504		23619	BSH	Non-Prod	1.7																		
Subtotal Block TK29 Non-Productive								28.9																		
Total Block TK29 Non-Harvest								52.2							0.0	0.0	160.8	0.0	0.0	0.0	0.0	0.0	283.0	737.8	0.0	1,181.6
Total Block TK29 Harvest								14.9							0.0	0.0	238.9	2.2	2.2	0.0	0.0	0.0	663.9	173.0	0.0	1,080.2

Forest Management Plan - Operational Block Summary																										
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK30	Lebel	L8862	ATR	43522	BW 1	AOC	1.1	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	6	0	3	0	0	0	57	37	0	103
Subtotal Block TK30 ATR Area of Concern								1.1						0.0	0.0	0.0	6.3	0.0	2.8	0.0	0.0	57.3	36.9	0.0	103.3	
Town KL	TK30	Lebel	L7875	ATR	53832	BW 1	Harvest	2.8	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	17	0	7	0	0	151	97	0	272	
Town KL	TK30	Lebel	L8862	ATR	43522	BW 1	Harvest	2.4	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	14	0	6	0	0	129	83	0	232	
Subtotal Block TK30 ATR Harvest								5.3						0.0	0.0	0.0	30.6	0.0	13.7	0.0	0.0	279.7	180.5	0.0	504.5	
Town KL	TK30	Lebel	L8862	ATR	33327	BW 1	Ineligible	1.0	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	9	0	0	0	0	0	12	41	0	61	
Subtotal Block TK30 ATR Ineligible								1.0						0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	11.8	40.7	0.0	61.5	
Town KL	TK30	Lebel	L1590	PR	42016	BW 1	AOC	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	1	1	0	0	2	
Town KL	TK30	Lebel	L1590	PR	43522	BW 1	AOC	0.2	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	1	0	1	0	0	11	7	0	20	
Town KL	TK30	Lebel	L1590	PR	43522	BW 1	AOC	0.5	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	3	0	1	0	0	28	18	0	51	
Town KL	TK30	Lebel	L1590	PR	47819	BW 1	AOC	0.9	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	5	0	2	0	0	47	30	0	84	
Town KL	TK30	Lebel	L1590	PR	42119	MW2	AOC	0.8	SB 30PO 30BW 20BF 10SW 10	57	10.0	0.60	1	0	0	0	15	6	5	0	35	12	0	73		
Town KL	TK30	Lebel	L1873	PR	43522	BW 1	AOC	0.2	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	1	0	0	0	9	6	0	15		
Town KL	TK30	Lebel	L1873	PR	43522	BW 1	AOC	0.4	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	2	0	1	0	19	12	0	34		
Town KL	TK30	Lebel	L2034	PR	43522	BW 1	AOC	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	AOC	1.1	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	6	0	3	0	58	38	0	105		
Town KL	TK30	Lebel	L2770	PR	47819	BW 1	AOC	0.4	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	3	0	1	0	23	15	0	42		
Town KL	TK30	Lebel	L2770	PR	48624	BW 1	AOC	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	64127	BW 1	AOC	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Subtotal Block TK30 PR Area of Concern								4.5						0.0	0.0	0.0	36.3	5.9	14.3	0.0	0.0	231.9	139.4	0.0	427.8	
Town KL	TK30	Lebel	L1590	PR	42016	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L1590	PR	43522	BW 1	Harvest	0.3	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	2	0	1	0	0	14	9	0	25	
Town KL	TK30	Lebel	L1590	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L1590	PR	43522	BW 1	Harvest	1.9	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	11	0	5	0	102	66	0	183		
Town KL	TK30	Lebel	L1590	PR	43522	BW 1	Harvest	0.3	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	2	0	1	0	16	11	0	29		
Town KL	TK30	Lebel	L1590	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L1590	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L1590	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L1590	PR	47819	BW 1	Harvest	1.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	6	0	2	0	50	33	0	91		
Town KL	TK30	Lebel	L1872	PR	43522	BW 1	Harvest	10.9	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	63	0	28	0	579	374	0	1,044		
Town KL	TK30	Lebel	L1872	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	1	1	0	2		
Town KL	TK30	Lebel	L1873	PR	43522	BW 1	Harvest	4.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	23	0	10	0	210	136	0	379		
Town KL	TK30	Lebel	L2034	PR	43522	BW 1	Harvest	1.3	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	8	0	3	0	69	45	0	124		
Town KL	TK30	Lebel	L2769	PR	43522	BW 1	Harvest	9.7	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	56	0	25	0	515	333	0	930		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	9.6	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	55	0	25	0	506	327	0	913		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK30	Lebel	L2770	PR	43522	BW 1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0</											

Forest Management Plan - Operational Block Summary																												
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters														
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total			
Town KL	TK31	Lebel	L7859	ATR	43522	BW1	AOC	0.4	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	2	0	1	0	0	0	0	0	20	13	0	35
Town KL	TK31	Lebel	L7859	ATR	30712	MW1	AOC	0.1	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	2	0	0	0	0	0	0	0	5	1	0	8	
Town KL	TK31	Lebel	L7859	ATR	33818	SP1	AOC	0.5	SB 50BW 20SW 10PO 10PJ 10	65	10.0	0.60	1	0	0	6	18	4	0	0	0	0	8	8	0	44		
Subtotal Block TK31 ATR Area of Concern								1.0							0.0	0.0	7.8	19.8	4.2	1.0	0.0	0.0	32.4	22.3	0.0	87.5		
Town KL	TK31	Lebel	L7859	ATR	43522	BW1	Harvest	8.2	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	48	0	21	0	0	0	0	436	281	0	786	
Town KL	TK31	Lebel	L7859	ATR	30712	MW1	Harvest	0.7	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	11	0	0	0	0	0	0	30	8	0	48		
Subtotal Block TK31 ATR Harvest								8.9							0.0	0.0	10.6	47.8	0.1	21.4	0.0	0.0	465.5	289.0	0.0	834.3		
Town KL	TK31	Lebel	L7859	ATR	32720	SP1	Ineligible	0.0	SB 50BW 20SW 10PO 10PJ 10	65	10.0	0.60	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK31	Lebel	L7859	ATR	33818	SP1	Ineligible	4.4	SB 50BW 20SW 10PO 10PJ 10	65	10.0	0.60	1	0	0	53	155	37	0	0	0	0	69	74	0	389		
Town KL	TK31	Lebel	L7859	ATR	33818	SP1	Ineligible	0.0	SB 50BW 20SW 10PO 10PJ 10	65	10.0	0.60	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Block TK31 ATR Ineligible								4.4							0.0	0.0	53.1	155.3	37.3	0.0	0.0	0.0	69.3	73.7	0.0	388.6		
Town KL	TK31	Lebel	L2345	PR	42016	BW1	AOC	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK31	Lebel	L2345	PR	43522	BW1	AOC	0.5	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	3	0	1	0	0	0	27	17	0	48		
Town KL	TK31	Lebel	L2345	PR	43522	BW1	AOC	0.1	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	3	2	0	6		
Town KL	TK31	Lebel	L2345	PR	43522	BW1	AOC	0.2	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	1	0	1	0	0	0	13	8	0	23		
Subtotal Block TK31 PR Area of Concern								0.8							0.0	0.0	0.0	4.7	0.0	2.1	0.0	0.0	42.7	27.5	0.0	76.9		
Town KL	TK31	Lebel	L1479	PR	43522	BW1	Harvest	4.3	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	25	0	11	0	0	0	228	147	0	411		
Town KL	TK31	Lebel	L1479	PR	43522	BW1	Harvest	2.7	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	16	0	7	0	0	0	142	92	0	256		
Town KL	TK31	Lebel	L2345	PR	42016	BW1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK31	Lebel	L2345	PR	43522	BW1	Harvest	2.8	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	16	0	7	0	0	0	149	96	0	269		
Town KL	TK31	Lebel	L2345	PR	43522	BW1	Harvest	9.1	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	53	0	24	0	0	0	483	311	0	870		
Town KL	TK31	Lebel	L2345	PR	43522	BW1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK31	Lebel	L2345	PR	43522	BW1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK31	Lebel	L2345	PR	43522	BW1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK31	Lebel	L2345	PR	43522	BW1	Harvest	0.0	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal Block TK31 PR Harvest								18.9							0.0	0.0	0.0	109.6	0.0	49.1	0.0	0.0	1,001.5	646.2	0.0	1,806.5		
Town KL	TK31	Lebel	L1479	PR	34821	MW2	Ineligible	3.0	PO 60SB 40	57	12.0	0.40	3	0	0	0	0	0	0	0	0	0	106	0	0	106		
Town KL	TK31	Lebel	L1479	PR	32720	SP1	Ineligible	0.0	SB 50BW 20SW 10PO 10PJ 10	65	10.0	0.60	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK31	Lebel	L1479	PR	33818	SP1	Ineligible	1.6	SB 50BW 20SW 10PO 10PJ 10	65	10.0	0.60	1	0	0	19	57	14	0	0	0	25	27	0	141			
Town KL	TK31	Lebel	L2345	PR	42119	MW2	Ineligible	0.1	SB 30PO 30BW 20BF 10SW 10	57	10.0	0.60	1	0	0	0	1	1	0	0	0	3	1	0	7			
Town KL	TK31	Lebel	L2345	PR	42119	MW2	Ineligible	0.0	SB 30PO 30BW 20BF 10SW 10	57	10.0	0.60	1	0	0	0	0	0	0	0	0	1	0	0	1	0	1	
Town KL	TK31	Lebel	L2345	PR	42119	MW2	Ineligible	0.6	SB 30PO 30BW 20BF 10SW 10	57	10.0	0.60	1	0	0	0	11	5	4	0	0	27	10	0	56			
Subtotal Block TK31 PR Ineligible								5.3							0.0	0.0	19.3	69.5	18.8	4.1	0.0	0.0	161.9	37.8	0.0	311.4		
Town KL	TK31	Lebel	L1479		30821	UCL	Non-Prod	0.0																				
Town KL	TK31	Lebel	L1479		32122	UCL	Non-Prod	0.1																				
Town KL	TK31	Lebel	L2345		39217	BSH	Non-Prod	3.8																				
Town KL	TK31	Lebel	L2345		41016	WAT	Non-Prod	0.9																				
Town KL	TK31	Lebel	L2345		39214	WAT	Non-Prod	0.0																				
Town KL	TK31	Lebel	L2345		41216	OMS	Non-Prod	0.3																				
Town KL	TK31	Lebel	L2345		41812	OMS	Non-Prod	0.0																				
Town KL	TK31	Lebel	L2345		40216	OMS	Non-Prod	0.1																				
Town KL	TK31	Lebel	L7859		39217	BSH	Non-Prod	0.3																				
Town KL	TK31	Lebel	L7859		41812	OMS	Non-Prod	0.0																				
Town KL	TK31	Lebel	L7859		36614	OMS	Non-Prod	2.8																				
Town KL	TK31	Lebel	L7859		23619	BSH	Non-Prod	3.2																				
Subtotal Block TK31 Non-Productive								11.5																				
Total Block TK31 Non-Harvest								23.0							0.0	0.0	80.2	249.3	60.3	7.1	0.0	0.0	306.3	161.3	0.0	864.5		
Total Block TK31 Harvest								27.8							0.0	0.0	10.6	157.4	0.1	70.5	0.0	0.0	1,467.0	935.2	0.0	2,640.8		

Forest Management Plan - Operational Block Summary																										
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK40	Lebel	LS112	ATR	22333	BW1	AOC	0.5	BW 60PO 20SB 10PJ 10	60	12.0	1.10	2	0	0	8	1	0	0	0	0	22	32	0	63	
Town KL	TK40	Lebel	LS112	ATR	22333	BW1	AOC	0.0	BW 60PO 20SB 10PJ 10	60	12.0	1.10	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK40	Lebel	LS112	ATR	22333	BW1	AOC	0.0	BW 60PO 20SB 10PJ 10	60	12.0	1.10	2	0	0	1	0	0	0	0	0	2	3	0	6	
Town KL	TK40	Lebel	LS112	ATR	8838	BW1	AOC	1.2	BW 60SB 30PO 10	65	13.0	0.70	2	0	0	0	9	0	0	0	0	19	54	0	82	
Town KL	TK40	Lebel	LS112	ATR	8838	BW1	AOC	1.7	BW 60SB 30PO 10	65	13.0	0.70	2	0	0	0	13	0	0	0	0	27	78	0	118	
Town KL	TK40	Lebel	LS112	ATR	20037	BW1	AOC	0.0	BW 60SB 30PO 10	65	13.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK40	Lebel	LS112	ATR	20037	BW1	AOC	0.0	BW 60SB 30PO 10	65	13.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK40	Lebel	LS112	ATR	26236	PO1	AOC	0.1	PO 60BW 20SW 10SB 10	105	23.0	0.40	2	0	0	0	1	1	0	0	0	8	1	0	11	
Town KL	TK40	Lebel	LS112	ATR	26236	PO1	AOC	0.3	PO 60BW 20SW 10SB 10	105	23.0	0.40	2	0	0	0	2	2	0	0	0	16	3	0	21	
Town KL	TK40	Lebel	LS112	ATR	26438	PO1	AOC	0.0	PO 60BW 20SW 10SB 10	105	23.0	0.40	2	0	0	0	0	0	0	0	0	0	0	0		
Subtotal Block TK40 ATR Area of Concern								3.9						0.0	0.0	8.7	26.1	2.5	0.0	0.0	0.0	92.9	170.7	0.0	300.7	
Town KL	TK40	Lebel	LS112	ATR	22333	BW1	Harvest	11.8	BW 60PO 20SB 10PJ 10	60	12.0	1.10	2	0	0	179	25	0	0	0	0	485	706	0	1,395	
Town KL	TK40	Lebel	LS112	ATR	27130	BW1	Harvest	0.0	BW 60PO 20SB 10PJ 10	60	12.0	1.10	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK40	Lebel	LS112	ATR	8838	BW1	Harvest	0.8	BW 60SB 30PO 10	65	13.0	0.70	2	0	0	0	6	0	0	0	0	12	36	0	54	
Town KL	TK40	Lebel	LS112	ATR	8838	BW1	Harvest	0.0	BW 60SB 30PO 10	65	13.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK40	Lebel	LS112	ATR	20037	BW1	Harvest	0.0	BW 60SB 30PO 10	65	13.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK40	Lebel	LS112	ATR	26636	BW1	Harvest	0.0	BW 50SB 20MR 10PO 10PJ 10	70	12.0	1.20	3	0	0	0	0	0	0	0	0	0	1	0	1	
Town KL	TK40	Lebel	LS112	ATR	26636	BW1	Harvest	0.0	BW 50SB 20MR 10PO 10PJ 10	70	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK40	Lebel	LS112	ATR	26734	PJ1	Harvest	0.0	PJ 100	71	16.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK40	Lebel	LS112	ATR	26236	PO1	Harvest	0.0	PO 60BW 20SW 10SB 10	105	23.0	0.40	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK40	Lebel	LS112	ATR	26236	PO1	Harvest	0.1	PO 60BW 20SW 10SB 10	105	23.0	0.40	2	0	0	0	1	1	0	0	0	5	1	0	7	
Town KL	TK40	Lebel	LS112	ATR	26236	PO1	Harvest	0.0	PO 60BW 20SW 10SB 10	105	23.0	0.40	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK40	Lebel	LS112	ATR	26438	PO1	Harvest	0.0	PO 60BW 20SW 10SB 10	105	23.0	0.40	2	0	0	0	0	0	0	0	0	0	0	0		
Subtotal Block TK40 ATR Harvest								12.7						0.0	0.0	179.2	31.6	0.6	0.0	0.0	0.0	503.0	743.3	0.1	1,457.8	
Town KL	TK40	Lebel	LS112		19340	WAT	Non-Prod	1.6																		
Subtotal Block TK40 Non-Productive								1.6																		
Total Block TK40 Non-Harvest								5.5						0.0	0.0	8.7	26.1	2.5	0.0	0.0	0.0	92.9	170.7	0.0	300.7	
Total Block TK40 Harvest								12.7						0.0	0.0	179.2	31.6	0.6	0.0	0.0	0.0	503.0	743.3	0.1	1,457.8	

Forest Management Plan - Operational Block Summary																										
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK42	Pacaud	Lot 12 Co	PR	29923	MW1	AOC	0.0	PJ 40PO 40SB 10BW 10	85	18.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK42	Pacaud	Lot 12 Co	PR	29923	MW1	AOC	0.5	PJ 40PO 40SB 10BW 10	85	18.0	0.80	2	0	0	27	4	0	0	0	0	38	5	0	73	
Town KL	TK42	Pacaud	Lot 12 Co	PR	32325	PO1	AOC	0.1	PO 100	45	7.0	1.00	3	0	0	0	0	0	0	0	6	0	0	6		
Town KL	TK42	Pacaud	Lot 12 Co	PR	43917	PO1	AOC	0.0	PO 70PJ 20SB 10	45	7.0	1.00	3	0	0	0	0	0	0	0	1	0	0	1		
Town KL	TK42	Pacaud	Lot 12 Co	PR	34921	PO1	AOC	0.8	PO 60SW 10BF 10PJ 10BW 10	95	18.0	0.80	3	0	0	9	0	4	4	0	0	69	6	0	92	
Town KL	TK42	Pacaud	Lot 12 Co	PR	34921	PO1	AOC	0.0	PO 60SW 10BF 10PJ 10BW 10	95	18.0	0.80	3	0	0	0	0	0	0	0	2	0	0	3		
Town KL	TK42	Pacaud	Lot 12 Co	PR	34921	PO1	AOC	0.6	PO 60SW 10BF 10PJ 10BW 10	95	18.0	0.80	3	0	0	7	0	3	3	0	0	56	5	0	74	
Town KL	TK42	Pacaud	Lot 12 Co	PR	35519	PO1	AOC	0.0	PO 60SW 10BF 10PJ 10BW 10	95	18.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0		
Subtotal Block TK42 PR Area of Concern								2.0						0.0	0.0	43.2	3.9	7.3	7.8	0.0	0.0	172.6	15.2	0.0	250.1	
Town KL	TK42	Pacaud	Lot 12 Co	PR	37827	MW1	Harvest	22.5	PO 40BW 20PJ 20SW 10SB 10	80	17.0	0.70	3	0	0	418	38	36	0	0	0	1,132	292	0	1,915	
Town KL	TK42	Pacaud	Lot 12 Co	PR	37827	MW1	Harvest	2.4	PO 40BW 20PJ 20SW 10SB 10	80	17.0	0.70	3	0	0	45	4	4	0	0	0	121	31	0	206	
Town KL	TK42	Pacaud	Lot 12 Co	PR	37827	MW1	Harvest	2.6	PO 40BW 20PJ 20SW 10SB 10	80	17.0	0.70	3	0	0	48	4	4	0	0	0	130	34	0	220	
Town KL	TK42	Pacaud	Lot 12 Co	PR	40119	MW1	Harvest	1.2	PO 40BW 20PJ 20SW 10SB 10	80	17.0	0.70	3	0	0	22	2	2	0	0	0	59	15	0	99	
Town KL	TK42	Pacaud	Lot 12 Co	PR	47225	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	80	18.0	0.40	3	0	0	0	0	0	0	0	1	0	0	2		
Town KL	TK42	Pacaud	Lot 12 Co	PR	29923	MW1	Harvest	0.0	PJ 40PO 40SB 10BW 10	85	18.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK42	Pacaud	Lot 12 Co	PR	29923	MW1	Harvest	2.2	PJ 40PO 40SB 10BW 10	85	18.0	0.80	2	0	0	125	18	0	0	0	0	177	21	0	342	
Town KL	TK42	Pacaud	Lot 12 Co	PR	29923	MW1	Harvest	0.0	PJ 40PO 40SB 10BW 10	85	18.0	0.80	2	0	0	0	0	0	0	0	1	0	0	1		
Town KL	TK42	Pacaud	Lot 12 Co	PR	34426	PO1	Harvest	7.2	PO 80PJ 20	55	13.0	0.80	2	0	0	164	0	0	0	0	876	0	0	1,040		
Town KL	TK42	Pacaud	Lot 12 Co	PR	34921	PO1	Harvest	1.1	PO 60SW 10BF 10PJ 10BW 10	95	18.0	0.80	3	0	0	12	0	5	6	0	0	94	8	0	124	
Town KL	TK42	Pacaud	Lot 12 Co	PR	34921	PO1	Harvest	0.1	PO 60SW 10BF 10PJ 10BW 10	95	18.0	0.80	3	0	0	2	0	1	1	0	0	12	1	0	17	
Town KL	TK42	Pacaud	Lot 12 Co	PR	34921	PO1	Harvest	0.6	PO 60SW 10BF 10PJ 10BW 10	95	18.0	0.80	3	0	0	6	0	3	3	0	0	51	4	0	67	
Subtotal Block TK42 PR Harvest								39.9						0.0	0.0	841.9	66.8	54.9	9.6	0.0	0.0	2,654.2	406.8	0.0	4,034.1	
Town KL	TK42	Pacaud	Lot 12 Co	PR	43024	MW1	Ineligible	1.7	PO 60SB 20PJ 20	45	6.0	0.70	3	0	0	14	0	0	0	0	0	61	0	0	75	
Town KL	TK42	Pacaud	Lot 12 Co	PR	32325	PO1	Ineligible	0.3	PO 100	45	7.0	1.00	3	0	0	0	0	0	0	0	24	0	0	24		
Town KL	TK42	Pacaud	Lot 12 Co	PR	32325	PO1	Ineligible	0.1	PO 100	45	7.0	1.00	3	0	0	0	0	0	0	0	8	0	0	8		
Town KL	TK42	Pacaud	Lot 12 Co	PR	38530	PO1	Ineligible	0.0	PO 100	45	7.0	1.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK42	Pacaud	Lot 12 Co	PR	38921	PO1	Ineligible	2.3	PO 90PJ 10	45	7.0	1.00	3	0	0	13	0	0	0	0	178	0	0	192		
Town KL	TK42	Pacaud	Lot 12 Co	PR	43917	PO1	Ineligible	0.0	PO 70PJ 20SB 10	45	7.0	1.00	3	0	0	0	0	0	0	0	0	0	0	1		
Subtotal Block TK42 PR Ineligible								4.3						0.0	0.0	27.4	0.0	0.0	0.0	0.0	0.0	271.8	0.0	0.0	299.2	
Town KL	TK42	Pacaud	Lot 12 Co	PR	42026	RCK	Non-Prod	0.2																		
Town KL	TK42	Pacaud	Lot 12 Co	PR	37724	RCK	Non-Prod	3.4																		
Town KL	TK42	Pacaud	Lot 12 Co	PR	37724	RCK	Non-Prod	1.1																		
Town KL	TK42	Pacaud	Lot 12 Co	PR	35023	DAL	Non-Prod	4.2																		
Town KL	TK42	Pacaud	Lot 12 Co	PR	35023	DAL	Non-Prod	10.5																		
Town KL	TK42	Pacaud	Lot 12 Co	PR	36219	DAL	Non-Prod	0.0																		
Town KL	TK42	Pacaud	Lot 12 Co	PR	33328	UCL	Non-Prod	0.0																		
Town KL	TK42	Pacaud	Lot 12 Co	PR	36134	UCL	Non-Prod	0.6																		
Subtotal Block TK42 Non-Productive								20.0																		
Total Block TK42 Non-Harvest								26.4							0.0	0.0	70.6	3.9	7.3	7.8	0.0	0.0	444.5	15.2	0.0	549.3
Total Block TK42 Harvest								39.9							0.0	0.0	841.9	66.8	54.9	9.6	0.0	0.0	2,654.2	406.8	0.0	4,034.1

Forest Management Plan - Operational Block Summary																										
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK55	Teck	L16621	PR	6924	PO1	Harvest	12.8	PO 50BW 20SW 10SB 10PJ 10	65	13.0	0.80	3	0	0	117	3	3	0	0	0	816	171	0	1,108	
Subtotal Block TK55 PR Harvest								12.8						0.0	0.0	116.7	2.6	2.6	0.0	0.0	0.0	815.8	170.6	0.0	1,108.3	
Town KL	TK55	Teck	L16621	PR	11717	MW2	Ineligible	1.1	PO 60SB 30SW 10	57	17.0	0.70	2	0	0	0	5	2	0	0	0	92	0	0	99	
Town KL	TK55	Teck	L16621	PR	11717	MW2	Ineligible	0.1	PO 60SB 30SW 10	57	17.0	0.70	2	0	0	0	0	0	0	0	0	9	0	0	10	
Subtotal Block TK55 Pr Ineligible								1.2						0.0	0.0	0.0	5.2	1.8	0.0	0.0	0.0	101.3	0.0	0.0	108.2	
Town KL	TK55	Teck	L16621		6320	TMS	Non-Prod	2.1																		
Subtotal Block TK55 Non-Productive								2.1																		
Total Block TK55 Non-Harvest								3.3							0.0	0.0	0.0	5.2	1.8	0.0	0.0	0.0	101.3	0.0	0.0	108.2
Total Block TK55 Harvest								12.8							0.0	0.0	116.7	2.6	2.6	0.0	0.0	0.0	815.8	170.6	0.0	1,108.3

Forest Management Plan - Operational Block Summary																										
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TKNC	Teck	L16480	PR	82407	SP1	AOC	0.2	SB 50PO 20SW 10PJ 10BW 10	80	12.0	0.70	1	0	0	3	9	2	0	0	0	7	2	0	23	
Town KL	TKNC	Teck	L2639	PR	82407	SP1	AOC	0.4	SB 50PO 20SW 10PJ 10BW 10	80	12.0	0.70	1	0	0	7	24	6	0	0	0	18	5	0	60	
Town KL	TKNC	Teck	L2639	PR	82407	SP1	AOC	0.5	SB 50PO 20SW 10PJ 10BW 10	80	12.0	0.70	1	0	0	8	31	8	0	0	0	23	6	0	75	
Town KL	TKNC	Teck	L6866	PR	73801	LC1	AOC	0.0	SB 70BF 20LA 10	82	12.0	0.40	1	0	0	0	0	0	0	0	0	0	0	0		
Subtotal Block TKNC PR Area of Concern								1.1						0.0	0.0	17.3	64.6	16.1	0.0	0.0	0.0	47.5	12.9	0.0	158.4	
Town KL	TKNC	Teck	L1385	PR	73801	LC1	Harvest	0.3	SB 70BF 20LA 10	82	12.0	0.40	1	0	0	0	13	0	3	0	1	0	0	17		
Town KL	TKNC	Teck	L1385	PR	74803	SP1	Harvest	4.1	SB 60PO 20SW 10BW 10	79	12.0	0.80	1	0	0	0	321	66	0	0	0	197	53	0	637	
Town KL	TKNC	Teck	L16480	PR	83402	MW1	Harvest	0.3	PO 40SB 20PJ 20BW 20	75	17.0	0.80	3	0	0	6	1	0	0	0	0	17	4	0	28	
Town KL	TKNC	Teck	L16480	PR	82407	SP1	Harvest	3.0	SB 50PO 20SW 10PJ 10BW 10	80	12.0	0.70	1	0	0	46	173	43	0	0	0	127	34	0	424	
Town KL	TKNC	Teck	L2639	PR	82407	SP1	Harvest	0.4	SB 50PO 20SW 10PJ 10BW 10	80	12.0	0.70	1	0	0	6	23	6	0	0	0	17	5	0	56	
Town KL	TKNC	Teck	L2639	PR	82407	SP1	Harvest	0.1	SB 50PO 20SW 10PJ 10BW 10	80	12.0	0.70	1	0	0	1	4	1	0	0	0	3	1	0	9	
Town KL	TKNC	Teck	L2639	PR	82407	SP1	Harvest	11.9	SB 50PO 20SW 10PJ 10BW 10	80	12.0	0.70	1	0	0	180	673	167	0	0	0	495	134	0	1,649	
Town KL	TKNC	Teck	RSC204	PR	61878	BW1	Harvest	2.4	PO 40BW 20SW 10MR 10SB 10PJ 10	75	16.0	1.00	3	0	0	31	3	2	0	0	0	168	44	24	272	
Town KL	TKNC	Teck	RSC204	PR	63483	PO1	Harvest	3.5	PO 50BW 20MR 10SW 10SB 10	60	11.0	1.00	3	0	0	0	0	0	0	0	0	261	55	20	336	
Subtotal Block TKNC PR Harvest								26.0						0.0	0.0	270.8	1,208.5	285.6	3.1	0.0	1.3	1,284.0	329.8	43.8	3,426.6	
Town KL	TKNC	Teck	L1385		83804	UCL	Non-Prod	0.7																		
Town KL	TKNC	Teck	L1385		76410	BSH	Non-Prod	3.4																		
Town KL	TKNC	Teck	L16480		83804	UCL	Non-Prod	4.2																		
Town KL	TKNC	Teck	L16480		76410	BSH	Non-Prod	8.3																		
Town KL	TKNC	Teck	RSC204		68382	WAT	Non-Prod	0.5																		
Town KL	TKNC	Teck	RSC204		67790	UCL	Non-Prod	9.7																		
Subtotal Block TKNC Non-Productive								26.8																		
Total Block TKNC Non-Harvest								27.9							0.0	0.0	17.3	64.6	16.1	0.0	0.0	0.0	47.5	12.9	0.0	158.4
Total Block TKNC Harvest								26.0							0.0	0.0	270.8	1,208.5	285.6	3.1	0.0	1.3	1,284.0	329.8	43.8	3,426.6

Forest Management Plan - Operational Block Summary																											
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Preferred SGR Code	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters										Total		
															White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch		Other Hardwood	
Gauthier	G1	Gauthier	L30946	ATR	95349	LC1	LC1_EXT	Harvest	1.5	LA 60SB 40	85	13.0	0.60	1	0	0	0	63	0	0	0	66	0	0	0	129	
Gauthier	G1	Gauthier	L30946	ATR	3850	MW2	MW2_EXT	Harvest	7.4	SB 50PO 40BW 10	65	8.0	0.70	1	0	0	0	306	0	0	0	0	545	73	0	924	
Gauthier	G1	Gauthier	L30946	ATR	96151	MW2	MW2_EXT	Harvest	5.7	SB 60PO 40	65	5.0	0.80	2	0	0	0	99	0	0	0	0	405	0	0	505	
Gauthier	G1	Gauthier	L30946	ATR	96151	MW2	MW2_EXT	Harvest	2.2	SB 60PO 40	65	5.0	0.80	2	0	0	0	38	0	0	0	0	156	0	0	195	
Gauthier	G1	Gauthier	L30946	ATR	99546	MW2	MW2_EXT	Harvest	2.3	SB 60PO 30BW 10	65	8.0	0.80	1	0	0	0	129	0	0	0	0	144	26	0	299	
Gauthier	G1	Gauthier	L30946	ATR	7853	MW2	MW2_EXT	Harvest	0.5	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	4	2	1	0	0	7	1	0	15	
Gauthier	G1	Gauthier	L30947	ATR	2540	MW2	MW2_EXT	Harvest	2.8	SB 50PO 40BW 10	65	5.0	1.00	2	0	0	0	50	0	0	0	0	245	30	0	325	
Gauthier	G1	Gauthier	L30947	ATR	99546	MW2	MW2_EXT	Harvest	13.2	SB 60PO 30BW 10	65	8.0	0.80	1	0	0	0	749	0	0	0	0	835	148	0	1,732	
Gauthier	G1	Gauthier	L30948	ATR	7542	MW2	MW2_EXT	Harvest	8.3	SB 50PO 40BW 10	65	8.0	1.00	1	0	0	0	488	0	0	0	0	871	116	0	1,475	
Gauthier	G1	Gauthier	L30948	ATR	96151	MW2	MW2_EXT	Harvest	0.6	SB 60PO 40	65	5.0	0.80	2	0	0	0	11	0	0	0	0	44	0	0	55	
Gauthier	G1	Gauthier	L30948	ATR	99546	MW2	MW2_EXT	Harvest	6.2	SB 60PO 30BW 10	65	8.0	0.80	1	0	0	0	349	0	0	0	0	389	69	0	807	
Gauthier	G1	Gauthier	L30950	ATR	95349	LC1	LC1_EXT	Harvest	0.5	LA 60SB 40	85	13.0	0.60	1	0	0	0	21	0	0	0	22	0	0	0	43	
Gauthier	G1	Gauthier	L30950	ATR	3850	MW2	MW2_EXT	Harvest	8.9	SB 50PO 40BW 10	65	8.0	0.70	1	0	0	0	366	0	0	0	0	652	87	0	1,105	
Gauthier	G1	Gauthier	L30950	ATR	96151	MW2	MW2_EXT	Harvest	2.4	SB 60PO 40	65	5.0	0.80	2	0	0	0	41	0	0	0	0	166	0	0	207	
Gauthier	G1	Gauthier	L30950	ATR	96151	MW2	MW2_EXT	Harvest	5.3	SB 60PO 40	65	5.0	0.80	2	0	0	0	92	0	0	0	0	375	0	0	466	
Gauthier	G1	Gauthier	L30950	ATR	7853	MW2	MW2_EXT	Harvest	2.1	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	19	10	3	0	0	29	7	0	68	
Gauthier	G1	Gauthier	L30964	ATR	95349	LC1	LC1_EXT	Harvest	6.6	LA 60SB 40	85	13.0	0.60	1	0	0	0	278	0	0	0	292	0	0	0	569	
Gauthier	G1	Gauthier	L30964	ATR	3850	MW2	MW2_EXT	Harvest	1.1	SB 50PO 40BW 10	65	8.0	0.70	1	0	0	0	44	0	0	0	0	78	10	0	132	
Gauthier	G1	Gauthier	L30964	ATR	96151	MW2	MW2_EXT	Harvest	3.3	SB 60PO 40	65	5.0	0.80	2	0	0	0	58	0	0	0	0	237	0	0	294	
Gauthier	G1	Gauthier	L30964	ATR	96151	MW2	MW2_EXT	Harvest	2.4	SB 60PO 40	65	5.0	0.80	2	0	0	0	41	0	0	0	0	167	0	0	208	
Gauthier	G1	Gauthier	L30964	ATR	99546	MW2	MW2_EXT	Harvest	3.9	SB 60PO 30BW 10	65	8.0	0.80	1	0	0	0	220	0	0	0	0	245	43	0	508	
Subtotal Block G1 ATR Harvest									87.1		1,545	187	16	33	0	0	0	3,465	12	4	0	380	5,590	610	0	10,060	
Gauthier	G1	Gauthier	L5187	PR	3850	MW2	MW2_EXT	Harvest	0.0	SB 50PO 40BW 10	65	8.0	0.70	1	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G1	Gauthier	L5187	PR	96151	MW2	MW2_EXT	Harvest	2.0	SB 60PO 40	65	5.0	0.80	2	0	0	0	35	0	0	0	0	144	0	0	179	
Gauthier	G1	Gauthier	L5187	PR	96151	MW2	MW2_EXT	Harvest	0.3	SB 60PO 40	65	5.0	0.80	2	0	0	0	6	0	0	0	0	23	0	0	29	
Gauthier	G1	Gauthier	L5187	PR	7853	MW2	MW2_EXT	Harvest	0.1	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	1	0	0	0	0	1	0	0	2	
Gauthier	G1	Gauthier	L5187	PR	11743	MW2	MW2_EXT	Harvest	6.0	PO 50SB 20BF 10SW 10BW 10	125	24.0	0.30	2	0	0	0	68	37	8	0	0	94	19	0	227	
Gauthier	G1	Gauthier	L5187	PR	14445	MW2	MW2_EXT	Harvest	0.4	PO 50SB 20BF 10SW 10BW 10	125	24.0	0.30	2	0	0	0	4	2	1	0	0	6	1	0	15	
Gauthier	G1	Gauthier	L5187	PR	14741	MW2	MW2_EXT	Harvest	0.2	PO 50SB 20BF 10SW 10BW 10	125	24.0	0.30	2	0	0	0	2	1	0	0	0	3	1	0	7	
Subtotal Block G1 PR Harvest									9.0		695	112	4	14	0	0	0	116	41	9	0	0	271	21	0	458	
Gauthier	G1	Gauthier	L5187	PR	15246	PO1		Ineligible	0.0	PO 100	11	2.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G1	Gauthier	L5187	PR	13647	PO1		Ineligible	0.0	PO 80SB 10BW 10	45	7.0	0.90	3	0	0	0	0	0	0	0	0	1	0	0	1	
Gauthier	G1	Gauthier	L5187	PR	14142	PO1		Ineligible	2.0	PO 80SB 10BW 10	45	7.0	0.90	3	0	0	0	0	0	0	0	0	127	9	0	136	
Subtotal Block G1 Ineligible Harvest									2.0		101.0	16.0	2.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127.7	8.8	0.0	136.5
Total Block G1 Non-Harvest									2.0		101.0	16.0	2.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127.7	8.8	0.0	136.5
Total Block G1 Harvest									96.2		2,240.0	299.0	19.1	47.0	0.0	0.0	0.0	3,580.5	53.1	13.0	0.0	380.1	5,861.0	631.0	0.0	10,518.6	

Forest Management Plan - Operational Block Summary																											
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Preferred SGR Code	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
															White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Gauthier	G2	Gauthier	L11777	ATR	96151	MW2		AOC	0.2	SB 60PO 40	65	5.0	0.80	2	0	0	0	3	0	0	0	0	0	11	0	0	14
Gauthier	G2	Gauthier	L11910	ATR	95349	LC1		AOC	0.2	LA 60SB 40	85	13.0	0.60	1	0	0	0	9	0	0	0	10	0	0	0	0	19
Gauthier	G2	Gauthier	L11910	ATR	95349	LC1		AOC	0.1	LA 60SB 40	85	13.0	0.60	1	0	0	0	5	0	0	0	5	0	0	0	0	10
Gauthier	G2	Gauthier	L11910	ATR	96151	MW2		AOC	0.2	SB 60PO 40	65	5.0	0.80	2	0	0	0	4	0	0	0	0	15	0	0	18	
Gauthier	G2	Gauthier	L11910	ATR	96151	MW2		AOC	0.1	SB 60PO 40	65	5.0	0.80	2	0	0	0	2	0	0	0	0	10	0	0	12	
Gauthier	G2	Gauthier	L30960	ATR	96151	MW2		AOC	0.4	SB 60PO 40	65	5.0	0.80	2	0	0	0	7	0	0	0	0	29	0	0	36	
Gauthier	G2	Gauthier	L30961	ATR	96151	MW2		AOC	0.1	SB 60PO 40	65	5.0	0.80	2	0	0	0	3	0	0	0	0	10	0	0	13	
Gauthier	G2	Gauthier	L30961	ATR	96151	MW2		AOC	0.1	SB 60PO 40	65	5.0	0.80	2	0	0	0	2	0	0	0	0	10	0	0	13	
Gauthier	G2	Gauthier	L30961	ATR	96151	MW2		AOC	0.2	SB 60PO 40	65	5.0	0.80	2	0	0	0	3	0	0	0	0	14	0	0	17	
Gauthier	G2	Gauthier	L37085	ATR	2540	MW2		AOC	0.0	SB 50PO 40BW 10	65	5.0	1.00	2	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal Block G2 Area of Concern									1.7						0.0	0.0	0.0	38.4	0.0	0.0	0.0	14.7	99.6	0.0	0.0	152.7	
Gauthier	G2	Gauthier	L11777	ATR	95349	LC1	LC1_EXT	Harvest	1.1	LA 60SB 40	85	13.0	0.60	1	0	0	0	46	0	0	0	48	0	0	0	94	
Gauthier	G2	Gauthier	L11777	ATR	3850	MW2	MW2_EXT	Harvest	2.4	SB 50PO 40BW 10	65	8.0	0.70	1	0	0	0	98	0	0	0	0	174	23	0	296	
Gauthier	G2	Gauthier	L11777	ATR	96151	MW2	MW2_EXT	Harvest	9.9	SB 60PO 40	65	5.0	0.80	2	0	0	0	171	0	0	0	0	698	0	0	868	
Gauthier	G2	Gauthier	L11777	ATR	96151	MW2	MW2_EXT	Harvest	2.4	SB 60PO 40	65	5.0	0.80	2	0	0	0	41	0	0	0	0	167	0	0	208	
Gauthier	G2	Gauthier	L11778	ATR	96151	MW2	MW2_EXT	Harvest	3.4	SB 60PO 40	65	5.0	0.80	2	0	0	0	59	0	0	0	0	241	0	0	300	
Gauthier	G2	Gauthier	L11910	ATR	95349	LC1	LC1_EXT	Harvest	2.7	LA 60SB 40	85	13.0	0.60	1	0	0	0	114	0	0	0	120	0	0	233		
Gauthier	G2	Gauthier	L11910	ATR	96151	MW2	MW2_EXT	Harvest	1.3	SB 60PO 40	65	5.0	0.80	2	0	0	0	23	0	0	0	0	93	0	0	116	
Gauthier	G2	Gauthier	L11910	ATR	96151	MW2	MW2_EXT	Harvest	1.2	SB 60PO 40	65	5.0	0.80	2	0	0	0	21	0	0	0	0	84	0	0	104	
Gauthier	G2	Gauthier	L30949	ATR	95349	LC1	LC1_EXT	Harvest	6.6	LA 60SB 40	85	13.0	0.60	1	0	0	0	274	0	0	0	288	0	0	561		
Gauthier	G2	Gauthier	L30949	ATR	3850	MW2	MW2_EXT	Harvest	0.0	SB 50PO 40BW 10	65	8.0	0.70	1	0	0	0	1	0	0	0	0	2	0	0	4	
Gauthier	G2	Gauthier	L30949	ATR	96151	MW2	MW2_EXT	Harvest	6.9	SB 60PO 40	65	5.0	0.80	2	0	0	0	120	0	0	0	0	489	0	0	609	
Gauthier	G2	Gauthier	L30949	ATR	96151	MW2	MW2_EXT	Harvest	0.2	SB 60PO 40	65	5.0	0.80	2	0	0	0	4	0	0	0	0	15	0	0	18	
Gauthier	G2	Gauthier	L30949	ATR	96151	MW2	MW2_EXT	Harvest	2.1	SB 60PO 40	65	5.0	0.80	2	0	0	0	37	0	0	0	0	150	0	0	186	
Gauthier	G2	Gauthier	L30949	ATR	99546	MW2	MW2_EXT	Harvest	2.5	SB 60PO 30BW 10	65	8.0	0.80	1	0	0	0	139	0	0	0	0	156	28	0	323	
Gauthier	G2	Gauthier	L30960	ATR	96151	MW2	MW2_EXT	Harvest	0.5	SB 60PO 40	65	5.0	0.80	2	0	0	0	9	0	0	0	0	36	0	0	45	
Gauthier	G2	Gauthier	L30961	ATR	2540	MW2	MW2_EXT	Harvest	0.1	SB 50PO 40BW 10	65	5.0	1.00	2	0	0	0	2	0	0	0	0	10	1	0	13	
Gauthier	G2	Gauthier	L30961	ATR	96151	MW2	MW2_EXT	Harvest	3.1	SB 60PO 40	65	5.0	0.80	2	0	0	0	54	0	0	0	0	220	0	0	274	
Gauthier	G2	Gauthier	L30961	ATR	99546	MW2	MW2_EXT	Harvest	0.0	SB 60PO 30BW 10	65	8.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G2	Gauthier	L30961	ATR	99546	MW2	MW2_EXT	Harvest	1.9	SB 60PO 30BW 10	65	8.0	0.80	1	0	0	0	108	0	0	0	0	121	21	0	251	
Gauthier	G2	Gauthier	L37085	ATR	2540	MW2	MW2_EXT	Harvest	6.2	SB 50PO 40BW 10	65	5.0	1.00	2	0	0	0	112	0	0	0	0	552	67	0	731	
Gauthier	G2	Gauthier	L37085	ATR	2540	MW2	MW2_EXT	Harvest	0.5	SB 50PO 40BW 10	65	5.0	1.00	2	0	0	0	9	0	0	0	0	44	5	0	59	
Gauthier	G2	Gauthier	L37085	ATR	99546	MW2	MW2_EXT	Harvest	0.9	SB 60PO 30BW 10	65	8.0	0.80	1	0	0	0	52	0	0	0	0	58	10	0	119	
Gauthier	G2	Gauthier	L37085	ATR	99546	MW2	MW2_EXT	Harvest	2.8	SB 60PO 30BW 10	65	8.0	0.80	1	0	0	0	159	0	0	0	0	177	31	0	368	
Gauthier	G2	Gauthier	L37085	ATR	99640	MW2	MW2_EXT	Harvest	0.0	SB 50PO 40BW 10	65	5.0	1.00	2	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G2	Gauthier	L37085	ATR	99640	MW2	MW2_EXT	Harvest	0.0	SB 50PO 40BW 10	65	5.0	1.00	2	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G2	Gauthier	L37086	ATR	2540	MW2	MW2_EXT	Harvest	0.0	SB 50PO 40BW 10	65	5.0	1.00	2	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G2	Gauthier	L37086	ATR	2540	MW2	MW2_EXT	Harvest	0.6	SB 50PO 40BW 10	65	5.0	1.00	2	0	0	0	11	0	0	0	0	53	6	0	70	
Gauthier	G2	Gauthier	L37086	ATR	2540	MW2	MW2_EXT	Harvest	2.9	SB 50PO 40BW 10	65	5.0	1.00	2	0	0	0	53	0	0	0	0	260	32	0	345	
Gauthier	G2	Gauthier	L37086	ATR	96151	MW2	MW2_EXT	Harvest	0.5	SB 60PO 40	65	5.0	0.80	2	0	0	0	9	0	0	0	0	35	0	0	43	
Gauthier	G2	Gauthier	L37086	ATR	96151	MW2	MW2_EXT	Harvest	0.0	SB 60PO 40	65	5.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G2	Gauthier	L37086	ATR	96151	MW2	MW2_EXT	Harvest	0.0	SB 60PO 40	65	5.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G2	Gauthier	L37086	ATR	99546	MW2	MW2_EXT	Harvest	14.4	SB 60PO 30BW 10	65	8.0	0.80	1	0	0	0	814	0	0	0	0	908	161	0	1,883	
Subtotal Block G2 ATR Harvest									77.2						0.0	0.0	0.0	2,537.4	0.0	0.0	0.0	455.2	4,741.9	386.7	0.0	8,121.2	
Gauthier	G2	Gauthier	L11777	ATR	93151	BSH		Non-Prod	0.5																		
Gauthier	G2	Gauthier	L11778	ATR	93151	BSH		Non-Prod	6.8																		
Gauthier	G2	Gauthier	L30961	ATR	93151	BSH		Non-Prod	6.0																		
Subtotal Block G2 Non-Productive									13.3																		
Total Block G2 Non-Harvest															0.0	0.0	0.0	38.4	0.0	0.0	0.0	14.7	99.6	0.0	0.0	152.7	
Total Block G2 Harvest									77.2						0.0	0.0	0.0	2,537.4	0.0	0.0	0.0	455.2	4,741.9	386.7	0.0	8,121.2	

Forest Management Plan - Operational Block Summary																											
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Preferred SGR Code	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters											Total	
															White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood		
Gauthier	G3	Gauthier	L30963	ATR	89836	LC1		AOC	0.0	LA 60SB 40	145	16.0	0.40	2	0	0	0	1	0	0	0	0	0	0	0	0	1
Subtotal Block G3 Area of Concern									0.0						0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.9	
Gauthier	G3	Gauthier	L30959	ATR	91641	LC1	LC1_EXT	Harvest	1.3	SB 70BF 10LA 10BW 10	85	6.0	0.60	3	0	0	0	21	0	3	0	3	0	7	0	35	
Gauthier	G3	Gauthier	L30959	ATR	88942	SB1	SB1_EXT	Harvest	0.5	SB 90LA 10	85	13.0	0.60	1	0	0	0	43	0	0	0	3	0	0	0	46	
Gauthier	G3	Gauthier	L30960	ATR	91641	LC1	LC1_EXT	Harvest	5.7	SB 70BF 10LA 10BW 10	85	6.0	0.60	3	0	0	0	91	0	15	0	13	0	32	0	150	
Gauthier	G3	Gauthier	L30960	ATR	88942	SB1	SB1_EXT	Harvest	0.1	SB 90LA 10	85	13.0	0.60	1	0	0	0	9	0	0	0	1	0	0	0	10	
Gauthier	G3	Gauthier	L30961	ATR	91641	LC1	LC1_EXT	Harvest	10.5	SB 70BF 10LA 10BW 10	85	6.0	0.60	3	0	0	0	168	0	27	0	23	0	59	0	276	
Gauthier	G3	Gauthier	L30961	ATR	88942	SB1	SB1_EXT	Harvest	1.1	SB 90LA 10	85	13.0	0.60	1	0	0	0	104	0	0	0	8	0	0	0	112	
Gauthier	G3	Gauthier	L30961	ATR	88942	SB1	SB1_EXT	Harvest	0.0	SB 90LA 10	85	13.0	0.60	1	0	0	0	1	0	0	0	0	0	0	0	1	
Gauthier	G3	Gauthier	L30963	ATR	91641	LC1	LC1_EXT	Harvest	1.4	SB 70BF 10LA 10BW 10	85	6.0	0.60	3	0	0	0	23	0	4	0	3	0	8	0	38	
Gauthier	G3	Gauthier	L30963	ATR	88942	SB1	SB1_EXT	Harvest	6.1	SB 90LA 10	85	13.0	0.60	1	0	0	0	574	0	0	0	45	0	0	0	618	
Subtotal Block G3 ATR Harvest									26.7						0.0	0.0	0.0	1,033.2	0.0	49.2	0.0	98.3	0.0	105.9	0.0	1,286.6	
Gauthier	G3	Gauthier	L30958	ATR	84847	SP1		Ineligible	19.7	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	489	276	0	0	0	114	0	103	0	982	
Gauthier	G3	Gauthier	L30959	ATR	84847	SP1		Ineligible	12.5	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	311	176	0	0	0	73	0	65	0	625	
Gauthier	G3	Gauthier	L30960	ATR	84847	SP1		Ineligible	13.4	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	333	188	0	0	0	78	0	70	0	670	
Gauthier	G3	Gauthier	L30960	ATR	84847	SP1		Ineligible	0.7	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	18	10	0	0	0	4	0	4	0	35	
Gauthier	G3	Gauthier	L30963	ATR	84847	SP1		Ineligible	0.9	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	23	13	0	0	0	5	0	5	0	46	
Gauthier	G3	Gauthier	L30963	ATR	84847	SP1		Ineligible	2.3	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	56	32	0	0	0	13	0	12	0	112	
Subtotal Block G3 Ineligible Harvest									49.6						0	0	1,230	694	0	0	0	288	0	258	0	2,470	
Gauthier	G3	Gauthier	L30960		93151	BSH		Non-Prod	2.5																		
Gauthier	G3	Gauthier	L30963		93151	BSH		Non-Prod	1.3																		
Subtotal Block G3 Non-Productive									3.7																		
Total Block G3 Non-Harvest									53.4						0.0	0.0	1,230.0	694.9	0.0	0.0	0.0	288.0	0.0	257.9	0.0	2,470.8	
Total Block G3 Harvest									26.7						0.0	0.0	0.0	1,033.2	0.0	49.2	0.0	98.3	0.0	105.9	0.0	1,286.6	

Forest Management Plan - Operational Block Summary																											
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Preferred SGR Code	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
															White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Gauthier	G4	Gauthier	L10559	ATR	91062	SP1		AOC	0.0	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	0	0	0	0	0	0	0	0			
Gauthier	G4	Gauthier	L10559	ATR	91062	SP1		AOC	0.0	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	0	0	0	0	0	0	0	0			
Gauthier	G4	Gauthier	L10559	ATR	91062	SP1		AOC	0.0	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	1	0	0	0	0	0	0	0			
Gauthier	G4	Gauthier	L10559	ATR	91062	SP1		AOC	0.0	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	0	0	0	0	0	0	0	0			
Gauthier	G4	Gauthier	L10559	ATR	91558	SP1		AOC	0.1	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	4	12	0	0	1	0	0	18			
Gauthier	G4	Gauthier	L10559	ATR	91558	SP1		AOC	0.1	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	4	11	0	0	1	0	0	15			
Gauthier	G4	Gauthier	L10559	ATR	91558	SP1		AOC	0.2	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	6	15	0	0	2	0	0	22			
Gauthier	G4	Gauthier	L10559	ATR	91558	SP1		AOC	0.1	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	4	11	0	0	1	0	0	16			
Gauthier	G4	Gauthier	L10560	ATR	91558	SP1		AOC	0.3	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	12	34	0	0	3	0	0	49			
Gauthier	G4	Gauthier	L10560	ATR	91558	SP1		AOC	0.0	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	0	0	0	0	0	0	0	0			
Gauthier	G4	Gauthier	L10754	ATR	91558	SP1		AOC	0.0	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	1	2	0	0	0	0	0	2			
Gauthier	G4	Gauthier	L11146	ATR	91558	SP1		AOC	0.1	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	5	14	0	0	1	0	0	21			
Gauthier	G4	Gauthier	L11778	ATR	84847	SP1		AOC	0.1	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	2	1	0	0	0	0	0	3			
Gauthier	G4	Gauthier	L11910	ATR	84847	SP1		AOC	0.1	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	2	1	0	0	0	0	0	4			
Gauthier	G4	Gauthier	L11961	ATR	83262	MW2		AOC	0.1	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	1	0	0	0	9	1	11			
Gauthier	G4	Gauthier	L11961	ATR	83262	MW2		AOC	0.1	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	2	0	0	0	9	1	12			
Gauthier	G4	Gauthier	L9480	ATR	83262	MW2		AOC	0.2	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	2	0	0	0	12	1	16			
Gauthier	G4	Gauthier	L9480	ATR	83262	MW2		AOC	0.4	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	4	0	0	1	25	3	33			
Gauthier	G4	Gauthier	L9480	ATR	83262	MW2		AOC	0.1	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	2	0	0	0	10	1	13			
Subtotal Block G4 Area of Concern									2.1							0.0	0.0	40.0	112.2	0.0	0.0	0.0	13.1	65.0	8.9	0.0	239.1
Gauthier	G4	Gauthier	L10557	ATR	88354	LC1	LC1_EXT	Harvest	0.0	SB 70LA 10PO 10BW 10	85	9.0	0.70	2	0	0	0	1	0	0	0	0	0	2			
Gauthier	G4	Gauthier	L10557	ATR	88354	LC1	LC1_EXT	Harvest	8.1	SB 70LA 10PO 10BW 10	85	9.0	0.70	2	0	0	0	414	0	0	39	144	69	0	666		
Gauthier	G4	Gauthier	L10557	ATR	91353	LC1	LC1_EXT	Harvest	0.1	SB 70LA 10PO 10BW 10	85	9.0	0.70	2	0	0	0	6	0	0	1	2	1	0	9		
Gauthier	G4	Gauthier	L10557	ATR	86659	MW2	MW2_EXT	Harvest	0.5	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	6	0	0	1	37	4	0	48		
Gauthier	G4	Gauthier	L10557	ATR	83754	SB1	SB1_EXT	Harvest	0.5	SB 80LA 20	85	9.0	0.50	2	0	0	0	21	0	0	0	3	0	0	24		
Gauthier	G4	Gauthier	L10557	ATR	83754	SB1	SB1_EXT	Harvest	1.5	SB 80LA 20	85	9.0	0.50	2	0	0	0	62	0	0	10	0	0	0	72		
Gauthier	G4	Gauthier	L10557	ATR	91558	SP1	SP1_INT1	Harvest	0.9	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	33	91	0	0	9	0	0	133			
Gauthier	G4	Gauthier	L10558	ATR	88354	LC1	LC1_EXT	Harvest	0.0	SB 70LA 10PO 10BW 10	85	9.0	0.70	2	0	0	0	0	0	0	0	0	0	0			
Gauthier	G4	Gauthier	L10558	ATR	82360	MW2	MW2_EXT	Harvest	0.0	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	0	0	0	2	0	0	3			
Gauthier	G4	Gauthier	L10558	ATR	86659	MW2	MW2_EXT	Harvest	14.4	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	166	0	0	32	1,020	124	0	1,342		
Gauthier	G4	Gauthier	L10558	ATR	87662	MW2	MW2_EXT	Harvest	0.0	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	0	0	0	0	0	0	0			
Gauthier	G4	Gauthier	L10558	ATR	90760	SP1	SP1_INT1	Harvest	0.0	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	0	0	0	0	0	0	0	0			
Gauthier	G4	Gauthier	L10558	ATR	91558	SP1	SP1_INT1	Harvest	0.3	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	12	33	0	0	3	0	0	47			
Gauthier	G4	Gauthier	L10558	ATR	91558	SP1	SP1_INT1	Harvest	0.1	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	4	12	0	0	1	0	0	17			
Gauthier	G4	Gauthier	L10558	ATR	91558	SP1	SP1_INT1	Harvest	0.2	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	7	21	0	0	2	0	0	31			
Gauthier	G4	Gauthier	L10559	ATR	91558	SP1	SP1_INT1	Harvest	1.4	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	50	141	0	0	14	0	0	205			
Gauthier	G4	Gauthier	L10559	ATR	91558	SP1	SP1_INT1	Harvest	0.1	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	3	9	0	0	1	0	0	13			
Gauthier	G4	Gauthier	L10559	ATR	91558	SP1	SP1_INT1	Harvest	0.2	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	6	18	0	0	2	0	0	26			
Gauthier	G4	Gauthier	L10559	ATR	91558	SP1	SP1_INT1	Harvest	0.6	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	20	56	0	0	6	0	0	82			
Gauthier	G4	Gauthier	L10560	ATR	91558	SP1	SP1_INT1	Harvest	0.3	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	10	27	0	0	3	0	0	40			
Gauthier	G4	Gauthier	L10560	ATR	91558	SP1	SP1_INT1	Harvest	0.0	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	0	1	0	0	0	0	0	1			
Gauthier	G4	Gauthier	L10754	ATR	91558	SP1	SP1_INT1	Harvest	0.0	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	0	1	0	0	0	0	0	1			
Gauthier	G4	Gauthier	L11146	ATR	91558	SP1	SP1_INT1	Harvest	3.2	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	0	113	315	0	0	32	0	460			
Gauthier	G4	Gauthier	L11778	ATR	91353	LC1	LC1_EXT	Harvest	0.3	SB 70LA 10PO 10BW 10	85	9.0	0.70	2	0	0	0	14	0	0	1	5	2	23			
Gauthier	G4	Gauthier	L11778	ATR	91558	SP1	SP1_INT1	Harvest	0.4	SB 70PJ 20LA 10	85	12.0	0.80	1	0	0	12	35	0	0	3	0	0	50			
Gauthier	G4	Gauthier	L11908	ATR	88354	LC1	LC1_EXT	Harvest	5.4	SB 70LA 10PO 10BW 10	85	9.0	0.70	2	0	0	0	278	0	0	26	97	46	0	447		
Gauthier	G4	Gauthier	L11910	ATR	91353	LC1	LC1_EXT	Harvest	1.6	SB 70LA 10PO 10BW 10	85	9.0	0.70	2	0	0	0	83	0	0	8	29	14	0	134		
Gauthier	G4	Gauthier	L11961	ATR	83262	MW2	MW2_EXT	Harvest	1.3	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	15	0	0	3	92	11	0	121		
Gauthier	G4	Gauthier	L11961	ATR	86659	MW2	MW2_EXT	Harvest	0.7	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	8	0	0	1	48	6	0	63		
Gauthier	G4	Gauthier	L11961	ATR	87662	MW2	MW2_EXT	Harvest	0.0	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Gauthier	G4	Gauthier	L9480	ATR	83262	MW2	MW2_EXT	Harvest	0.0	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	0	0	0	2	0	0	2			
Gauthier	G4	Gauthier	L9480	ATR	83262	MW2	MW2_EXT	Harvest	0.0	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0		
Gauthier	G4	Gauthier	L9480	ATR	83262	MW2	MW2_EXT	Harvest	0.6	SB 40PO 40LA 10BW 10	65	5.0	0.80	2	0	0	0	7	0	0	1	42	5	0	56		
Subtotal Block G4 ATR Harvest									43.0							0.0	0.0	271.7	1,839.7	0.0	0.0	0.0	203.7	1,521.3	284.0	0.0	4,120.4
Gauthier	G4	Gauthier	L10557	ATR	84847	SP1		Ineligible	0.0	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	0	0	0	0	0	0	0	0			
Gauthier	G4	Gauthier	L10557	ATR	84847	SP1		Ineligible	8.5	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	0	211	119	0	0	49	0	44	0	423	
Gauthier	G4	Gauthier	L10557	ATR	84847	SP1		Ineligible	7.5	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	0	185	104	0	0	43	0	39	0	371	
Gauthier	G4	Gauthier	L10557	ATR	81156	SP1		Ineligible	0.1	SB 40PJ 30LA 20BW 10	52	4.0	0.40	3	0	0	0	1	0	0	0	0	0	0	1		
Gauthier	G4	Gauthier	L10558	ATR	84847	SP1		Ineligible	8.1	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	0	201	113	0	0	47	0	42	0	404	
Gauthier	G4	Gauthier	L10559	ATR	91062	SP1		Ineligible	1.8	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	0	44	25	0	0	10	0	9	0	89	
Gauthier	G4	Gauthier	L11146	ATR	84847	SP1		Ineligible	0.1	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	0	2	1	0	0	1	0	0	4		
Gauthier	G4	Gauthier	L11778	ATR	84847	SP1		Ineligible	0.0	SB 40PJ 30LA 20BW 10	47	6.0	0.50	1	0	0	0	0	0								

Forest Management Plan - Operational Block Summary																													
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Preferred SGR Code	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters														
															White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other	Total			
Gauthier	G5	Gauthier	L10561	ATR	96151	MW2	AOC	0.2	SB 60PO 40	65	5.0	0.80	2	0	0	0	7	0	0	0	16	0	0	20					
Gauthier	G5	Gauthier	L10561	ATR	96151	MW2	AOC	0.4	SB 60PO 40	65	5.0	0.80	2	0	0	0	7	0	0	0	28	0	0	35					
Gauthier	G5	Gauthier	L11145	ATR	96561	SP1	AOC	0.2	SB 70PJ 20PO 10	85	12.0	0.80	1	0	0	6	17	0	0	4	0	0	28						
Gauthier	G5	Gauthier	L11146	ATR	96561	SP1	AOC	0.1	SB 70PJ 20PO 10	85	12.0	0.80	1	0	0	5	13	0	0	3	0	0	21						
Gauthier	G5	Gauthier	L11778	ATR	96151	MW2	AOC	0.2	SB 60PO 40	65	5.0	0.80	2	0	0	0	3	0	0	0	12	0	0	15					
Gauthier	G5	Gauthier	L16157	ATR	96151	MW2	AOC	1.5	SB 60PO 40	65	5.0	0.80	2	0	0	0	25	0	0	0	103	0	0	128					
Gauthier	G5	Gauthier	L16157	ATR	1058	MW2	AOC	0.0	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	7	4	0	0	10	2	0	24					
Gauthier	G5	Gauthier	L16157	ATR	4357	MW2	AOC	0.0	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G5	Gauthier	L16157	ATR	5258	MW2	AOC	0.0	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	0	0	0	0	0	0	0	1					
Gauthier	G5	Gauthier	L16157	ATR	98962	MW2	AOC	0.1	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	0	0	0	1	0	0	2						
Gauthier	G5	Gauthier	L16157	ATR	5563	SP1	AOC	0.1	SB 60PJ 30PO 10	105	17.0	0.90	1	0	0	7	14	0	0	3	0	0	24						
Gauthier	G5	Gauthier	L16158	ATR	7663	MW2	AOC	0.0	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G5	Gauthier	L16158	ATR	5563	SP1	AOC	0.5	SB 60PJ 30PO 10	105	17.0	0.90	1	0	0	30	60	0	0	5	0	0	103						
Gauthier	G5	Gauthier	L16158	ATR	5563	SP1	AOC	0.1	SB 60PJ 30PO 10	105	17.0	0.90	1	0	0	5	11	0	0	3	0	0	19						
Gauthier	G5	Gauthier	L16237	ATR	5563	SP1	AOC	0.5	SB 60PJ 30PO 10	105	17.0	0.90	1	0	0	30	60	0	0	14	0	0	104						
Gauthier	G5	Gauthier	L16237	ATR	5563	SP1	AOC	0.2	SB 60PJ 30PO 10	105	17.0	0.90	1	0	0	10	21	0	0	5	0	0	37						
Gauthier	G5	Gauthier	L9695	ATR	98962	MW2	AOC	0.1	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	1	1	0	2	0	0	4						
Gauthier	G5	Gauthier	L9696	ATR	96151	MW2	AOC	0.1	SB 60PO 40	65	5.0	0.80	2	0	0	0	1	0	0	5	0	0	6						
Gauthier	G5	Gauthier	L9696	ATR	98962	MW2	AOC	0.1	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	1	0	0	2	0	0	3						
Gauthier	G5	Gauthier	L9696	ATR	98962	MW2	AOC	0.1	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	1	1	0	2	0	0	4						
Gauthier	G5	Gauthier	L9696	ATR	98962	MW2	AOC	0.1	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	1	1	0	2	0	0	4						
Gauthier	G5	Gauthier	L9696	ATR	96561	SP1	AOC	0.1	SB 70PJ 20PO 10	85	12.0	0.80	1	0	0	5	13	0	0	3	0	0	21						
Gauthier	G5	Gauthier	L9696	ATR	96561	SP1	AOC	0.1	SB 70PJ 20PO 10	85	12.0	0.80	1	0	0	5	14	0	0	3	0	0	22						
Gauthier	G5	Gauthier	L9696	ATR	96561	SP1	AOC	0.1	SB 70PJ 20PO 10	85	12.0	0.80	1	0	0	5	13	0	0	3	0	0	21						
Gauthier	G5	Gauthier	L9697	ATR	96151	MW2	AOC	0.6	SB 60PO 40	65	5.0	0.80	2	0	0	0	11	0	0	44	0	0	54						
Subtotal Block G5 ATR Area of Concern									6.4									0.0	0.0	107.1	298.3	6.4	1.9	0.0	0.0	281.8	4.1	0.0	699.6
Gauthier	G5	Gauthier	L10559	ATR	96561	SP1	SP1_INT1	Harvest	0.1	SB 70PJ 20PO 10	85	12.0	0.80	1	0	0	2	5	0	0	1	0	0	9					
Gauthier	G5	Gauthier	L10560	ATR	96151	MW2	MW2_EXT	Harvest	3.9	SB 60PO 40	65	5.0	0.80	2	0	0	0	68	0	0	279	0	0	347					
Gauthier	G5	Gauthier	L10560	ATR	96561	SP1	SP1_INT1	Harvest	5.3	SB 70PJ 20PO 10	85	12.0	0.80	1	0	0	186	519	0	0	129	0	0	834					
Gauthier	G5	Gauthier	L10561	ATR	96151	MW2	MW2_EXT	Harvest	5.0	SB 60PO 40	65	5.0	0.80	2	0	0	0	36	0	0	353	0	0	439					
Gauthier	G5	Gauthier	L10561	ATR	96151	MW2	MW2_EXT	Harvest	0.0	SB 60PO 40	65	5.0	0.80	2	0	0	0	0	0	1	0	0	1						
Gauthier	G5	Gauthier	L10561	ATR	1058	MW2	MW2_EXT	Harvest	5.2	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	47	25	7	0	0	168						
Gauthier	G5	Gauthier	L11145	ATR	3850	MW2	MW2_EXT	Harvest	0.2	SB 50PO 40BW 10	65	8.0	0.70	1	0	0	0	9	0	0	16	2	0	26					
Gauthier	G5	Gauthier	L11145	ATR	96151	MW2	MW2_EXT	Harvest	11.9	SB 60PO 40	65	5.0	0.80	2	0	0	0	206	0	0	843	0	0	1,050					
Gauthier	G5	Gauthier	L11145	ATR	96561	SP1	SP1_INT1	Harvest	0.9	SB 70PJ 20PO 10	85	12.0	0.80	1	0	0	30	84	0	0	21	0	0	135					
Gauthier	G5	Gauthier	L11146	ATR	96151	MW2	MW2_EXT	Harvest	0.2	SB 60PO 40	65	5.0	0.80	2	0	0	0	3	0	0	14	0	0	17					
Gauthier	G5	Gauthier	L11146	ATR	96561	SP1	SP1_INT1	Harvest	0.7	SB 70PJ 20PO 10	85	12.0	0.80	1	0	0	26	72	0	0	18	0	0	116					
Gauthier	G5	Gauthier	L11778	ATR	96151	MW2	MW2_EXT	Harvest	4.4	SB 60PO 40	65	5.0	0.80	2	0	0	0	76	0	0	311	0	0	387					
Gauthier	G5	Gauthier	L15354	ATR	3850	MW2	MW2_EXT	Harvest	4.8	SB 50PO 40BW 10	65	8.0	0.70	1	0	0	0	197	0	0	352	47	0	596					
Gauthier	G5	Gauthier	L15354	ATR	96151	MW2	MW2_EXT	Harvest	3.8	SB 60PO 40	65	5.0	0.80	2	0	0	0	66	0	0	270	0	0	336					
Gauthier	G5	Gauthier	L15354	ATR	96151	MW2	MW2_EXT	Harvest	1.9	SB 60PO 40	65	5.0	0.80	2	0	0	0	33	0	0	134	0	0	166					
Gauthier	G5	Gauthier	L15354	ATR	1058	MW2	MW2_EXT	Harvest	0.1	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	1	1	0	0	0	3						
Gauthier	G5	Gauthier	L16157	ATR	96151	MW2	MW2_EXT	Harvest	1.0	SB 60PO 40	65	5.0	0.80	2	0	0	0	16	0	0	67	0	0	84					
Gauthier	G5	Gauthier	L16157	ATR	96151	MW2	MW2_EXT	Harvest	0.1	SB 60PO 40	65	5.0	0.80	2	0	0	0	1	0	0	4	0	0	5					
Gauthier	G5	Gauthier	L16157	ATR	96151	MW2	MW2_EXT	Harvest	0.6	SB 60PO 40	65	5.0	0.80	2	0	0	0	11	0	0	43	0	0	54					
Gauthier	G5	Gauthier	L16157	ATR	1058	MW2	MW2_EXT	Harvest	2.1	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	19	10	3	0	0	67						
Gauthier	G5	Gauthier	L16157	ATR	1058	MW2	MW2_EXT	Harvest	0.0	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	0	0	0	0	0	0	0					
Gauthier	G5	Gauthier	L16157	ATR	1058	MW2	MW2_EXT	Harvest	0.0	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	0	0	0	0	0	0	0					
Gauthier	G5	Gauthier	L16157	ATR	98962	MW2	MW2_EXT	Harvest	1.2	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	11	6	2	0	0	40						
Gauthier	G5	Gauthier	L16157	ATR	98962	MW2	MW2_EXT	Harvest	0.0	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	0	0	0	0	0	0	0					
Gauthier	G5	Gauthier	L16157	ATR	98962	MW2	MW2_EXT	Harvest	0.0	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	0	0	0	0	0	0	0					
Gauthier	G5	Gauthier	L16157	ATR	5563	SP1	SP1_INT1	Harvest	0.1	SB 60PJ 30PO 10	105	17.0	0.90	1	0	0	4	7	0	0	2	0	0	12					
Gauthier	G5	Gauthier	L16158	ATR	7663	MW2	MW2_EXT	Harvest	3.7	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	34	18	5	0	0	52	12	120				
Gauthier	G5	Gauthier	L16158	ATR	6667	SB1	SB1_EXT1	Harvest	0.0	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	0	0	0	0	0	0	0	0				
Gauthier	G5	Gauthier	L16158	ATR	5563	SP1	SP1_INT1	Harvest	1.0	SB 60PJ 30PO 10	105	17.0	0.90	1	0	0	56	113	0	0	0	0	0	196					
Gauthier	G5	Gauthier	L16158	ATR	5563	SP1	SP1_INT1	Harvest	0.0	SB 60PJ 30PO 10	105	17.0	0.90	1	0	0	0	1	0	0	0	0	0	1					
Gauthier	G5	Gauthier	L16158	ATR	5563	SP1	SP1_INT1	Harvest	0.1	SB 60PJ 30PO 10	105	17.0	0.90	1	0	0	8	16	0	0	4	0	0	27					
Gauthier	G5	Gauthier	L16158	ATR	6262	SP1	SP1_INT1	Harvest	0.0	SB 60PJ 30PO 10	105	17.0	0.90	1	0	0	0	0	0	0	0	0	0	0					
Gauthier	G5	Gauthier	L16237	ATR	96151	MW2	MW2_EXT	Harvest	0.0	SB 60PO 40	65	5.0	0.80	2	0	0	0	0	0	1	0	0	1						
Gauthier	G5	Gauthier	L16237	ATR	98962	MW2	MW2_EXT	Harvest	1.1	PO 50SB 20BF 10SW 10BW 10	125	22.0	0.40	3	0	0	0	9	5	1	0	0	15	3	34				
Gauthier	G5	Gauthier	L16237	ATR	5563	SP1	SP1_INT1	Harvest	0.0	SB 60PJ 30PO 10	105	17.0	0.90	1	0	0	21	42	0	0	10	0	0	73					
Gauthier	G5	Gauthier	L16237	ATR	5563	SP1	SP1_INT1	Harvest	0.0	SB 60PJ 30PO 10	105	17.0	0.90	1	0	0	0	0	0	0	0	0	0	0	0				
Gauthier	G5	Gauthier	L16237	ATR	5563	SP1	SP1_INT1	Harvest	0.0	SB 60PJ 30PO 10	105	17.0	0.90	1	0	0	0	0	0	0	0	0	0	0	0				
Gauthier	G5	Gauthier</																											

Forest Management Plan - Operational Block Summary																												
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Preferred SGR Code	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters													
															White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total		
Gauthier	G6	Gauthier	L10790	ATR	62770	PO1		AOC	0.0	PO 80SB 10BW 10	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L10790	ATR	58161	SB1		AOC	0.0	SB 90LA 10	85	10.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gauthier	G6	Gauthier	L10790	ATR	58161	SB1		AOC	0.0	SB 90LA 10	85	10.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gauthier	G6	Gauthier	L10790	ATR	65263	SB1		AOC	0.5	SB 90LA 10	85	10.0	0.70	2	0	0	0	34	0	0	0	2	0	0	0	0	36	
Gauthier	G6	Gauthier	L10790	ATR	65263	SB1		AOC	0.3	SB 90LA 10	85	10.0	0.70	2	0	0	0	20	0	0	0	2	0	0	0	0	22	
Gauthier	G6	Gauthier	L10790	ATR	65263	SB1		AOC	0.1	SB 90LA 10	85	10.0	0.70	2	0	0	0	4	0	0	0	0	0	0	0	0	5	
Gauthier	G6	Gauthier	L10790	ATR	65263	SB1		AOC	0.1	SB 90LA 10	85	10.0	0.70	2	0	0	0	9	0	0	0	1	0	0	0	0	9	
Gauthier	G6	Gauthier	L10791	ATR	64766	SB1		AOC	0.5	SB 100	41	0.0	0.00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L10791	ATR	65263	SB1		AOC	0.0	SB 90LA 10	85	10.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L10791	ATR	65263	SB1		AOC	0.3	SB 90LA 10	85	10.0	0.70	2	0	0	0	20	0	0	0	1	0	0	0	0	21	
Gauthier	G6	Gauthier	L10791	ATR	65263	SB1		AOC	0.1	SB 90LA 10	85	10.0	0.70	2	0	0	0	5	0	0	0	0	0	0	0	0	5	
Gauthier	G6	Gauthier	L10791	ATR	71361	SP1		AOC	0.0	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L10791	ATR	71361	SP1		AOC	0.2	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	5	0	0	0	0	0	2	0	0	0	6	
Gauthier	G6	Gauthier	L10791	ATR	71361	SP1		AOC	0.1	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	0	2	0	0	0	0	1	0	0	0	3	
Gauthier	G6	Gauthier	L10792	ATR	58161	SB1		AOC	0.0	SB 90LA 10	85	10.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L10792	ATR	65263	SB1		AOC	0.1	SB 90LA 10	85	10.0	0.70	2	0	0	0	8	0	0	0	1	0	0	0	0	9	
Gauthier	G6	Gauthier	L10792	ATR	65263	SB1		AOC	0.1	SB 90LA 10	85	10.0	0.70	2	0	0	0	5	0	0	0	0	0	0	0	0	5	
Gauthier	G6	Gauthier	L10792	ATR	65263	SB1		AOC	0.2	SB 90LA 10	85	10.0	0.70	2	0	0	0	16	0	0	0	1	0	0	0	0	17	
Gauthier	G6	Gauthier	L10792	ATR	65263	SB1		AOC	0.3	SB 90LA 10	85	10.0	0.70	2	0	0	0	18	0	0	0	1	0	0	0	0	20	
Gauthier	G6	Gauthier	L10792	ATR	65263	SB1		AOC	0.2	SB 90LA 10	85	10.0	0.70	2	0	0	0	13	0	0	0	1	0	0	0	0	14	
Gauthier	G6	Gauthier	L10792	ATR	69167	SB1		AOC	0.0	SB 90LA 10	85	10.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L9268	ATR	75261	LC1		AOC	0.6	SB 70BF 10LA 10PO 10	85	9.0	0.80	2	0	0	0	0	38	0	4	0	4	13	0	0	59	
Gauthier	G6	Gauthier	L9268	ATR	71361	SP1		AOC	0.1	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	0	2	0	0	0	0	1	0	0	0	2	
Gauthier	G6	Gauthier	L9269	ATR	73858	LC1		AOC	0.2	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	0	2	4	0	0	0	2	0	1	0	9	
Gauthier	G6	Gauthier	L9269	ATR	73858	LC1		AOC	0.1	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	1	2	0	0	0	1	0	0	1	0	5	
Gauthier	G6	Gauthier	L9269	ATR	74655	LC1		AOC	0.0	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L9269	ATR	74655	LC1		AOC	0.0	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L9269	ATR	75556	LC1		AOC	0.0	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L9269	ATR	75556	LC1		AOC	0.1	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	1	3	0	0	0	2	0	1	0	0	7	
Gauthier	G6	Gauthier	L9270	ATR	73858	LC1		AOC	0.0	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	1	1	0	0	0	1	0	0	0	0	3	
Gauthier	G6	Gauthier	L9270	ATR	75556	LC1		AOC	0.1	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	2	3	0	0	0	2	0	1	0	0	7	
Gauthier	G6	Gauthier	L9270	ATR	71361	SP1		AOC	0.2	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	5	0	0	0	0	0	2	0	0	0	6	
Gauthier	G6	Gauthier	L9270	ATR	71361	SP1		AOC	0.1	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	3	0	0	0	0	0	1	0	0	0	4	
Gauthier	G6	Gauthier	L9270	ATR	71361	SP1		AOC	0.3	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	6	0	0	0	0	0	2	0	0	0	9	
Gauthier	G6	Gauthier	L9270	ATR	77056	SP1		AOC	0.1	SB 40PJ 30PO 20LA 10	32	4.0	0.70	0	0	0	3	2	0	0	0	0	2	0	0	0	8	
Gauthier	G6	Gauthier	L9289	ATR	64658	MW2		AOC	0.0	SB 50PO 40BW 10	125	20.0	0.40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L9289	ATR	68360	MW2		AOC	0.3	SB 50PO 40BW 10	125	20.0	0.40	0	0	0	0	20	0	0	0	6	2	0	0	29		
Gauthier	G6	Gauthier	L9289	ATR	68360	MW2		AOC	0.7	SB 50PO 40BW 10	125	20.0	0.40	0	0	0	0	43	0	0	0	14	4	0	0	61		
Gauthier	G6	Gauthier	L9289	ATR	65263	SB1		AOC	0.1	SB 90LA 10	85	10.0	0.70	2	0	0	0	4	0	0	0	0	0	0	0	0	4	
Gauthier	G6	Gauthier	L9289	ATR	68562	SB1		AOC	0.0	SB 90LA 10	85	9.0	1.00	2	0	0	0	3	0	0	0	0	0	0	0	0	3	
Gauthier	G6	Gauthier	L9289	ATR	68562	SB1		AOC	0.8	SB 90LA 10	85	9.0	1.00	2	0	0	0	75	0	0	0	6	0	0	0	0	80	
Gauthier	G6	Gauthier	L9289	ATR	68562	SB1		AOC	0.0	SB 90LA 10	85	9.0	1.00	2	0	0	0	1	0	0	0	0	0	0	0	0	1	
Gauthier	G6	Gauthier	L9289	ATR	71361	SP1		AOC	0.0	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	1	
Gauthier	G6	Gauthier	L9289	ATR	71361	SP1		AOC	0.1	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	2	0	0	0	0	1	0	0	0	0	3	
Gauthier	G6	Gauthier	L9290	ATR	68562	SB1		AOC	0.6	SB 90LA 10	85	9.0	1.00	2	0	0	0	52	0	0	0	4	0	0	0	0	56	
Subtotal Block G6 ATR Area of Concern									7.8						0.0	0.0	35.1	402.2	0.0	4.4	0.0	31.9	44.3	10.4	0.0	528.3		
Gauthier	G6	Gauthier	L10790	ATR	62770	PO1	PO1_EXT	Harvest	3.9	PO 80SB 10BW 10	85	17.0	0.70	3	0	0	0	10	0	0	0	0	396	26	0	0	432	
Gauthier	G6	Gauthier	L10790	ATR	58161	SB1	SB1_EXT	Harvest	0.0	SB 90LA 10	85	10.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L10790	ATR	65263	SB1	SB1_EXT	Harvest	0.0	SB 90LA 10	85	10.0	0.70	2	0	0	0	2	0	0	0	0	0	0	0	0	2	
Gauthier	G6	Gauthier	L10790	ATR	65263	SB1	SB1_EXT	Harvest	0.0	SB 90LA 10	85	10.0	0.70	2	0	0	0	2	0	0	0	0	0	0	0	0	2	
Gauthier	G6	Gauthier	L10790	ATR	65263	SB1	SB1_EXT	Harvest	4.1	SB 90LA 10	85	10.0	0.70	2	0	0	0	0	269	0	0	0	20	0	0	0	288	
Gauthier	G6	Gauthier	L10790	ATR	65263	SB1	SB1_EXT	Harvest	0.9	SB 90LA 10	85	10.0	0.70	2	0	0	0	60	0	0	0	4	0	0	0	0	64	
Gauthier	G6	Gauthier	L10791	ATR	63061	MW2	MW2-EXT	Harvest	0.0	SB 50PO 40BW 10	65	9.0	1.00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L10791	ATR	65161	MW2	MW2-EXT	Harvest	0.3	SB 50PO 40BW 10	65	9.0	1.00	1	0	0	0	20	0	0	0	0	0	37	5	0	62	
Gauthier	G6	Gauthier	L10791	ATR	65263	SB1	SB1_EXT	Harvest	6.3	SB 90LA 10	85	10.0	0.70	2	0	0	0	411	0	0	0	30	0	0	0	0	441	
Gauthier	G6	Gauthier	L10791	ATR	66965	SB1	SB1_EXT	Harvest	3.4	SB 100	85	15.0	0.90	0	0	0	0	800	0	0	0	0	0	0	0	0	800	
Gauthier	G6	Gauthier	L10791	ATR	68562	SB1	SB1_EXT	Harvest	0.0	SB 90LA 10	85	9.0	1.00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L10791	ATR	68562	SB1	SB1_EXT	Harvest	0.0	SB 90LA 10	85	9.0	1.00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G6	Gauthier	L10792	ATR	65263	SB1	SB1_EXT	Harvest	1.1	SB 90LA 10	85	10.0	0.70	2	0	0	0	71	0	0	0	5	0	0	0	0	77	
Gauthier	G6	Gauthier	L10792	ATR	65263	SB1	SB1_EXT																					

Harvest Block G6

Gauthier	G6	Gauthier	L9268	ATR	75261	LC1	LC1_EXT	Harvest	5.0	SB 70BF 10LA 10PO 10	85	9.0	0.80	2	0	0	0	292	0	34	0	28	103	0	0	457					
Gauthier	G6	Gauthier	L9269	ATR	75261	LC1	LC1_EXT	Harvest	0.6	SB 70BF 10LA 10PO 10	85	9.0	0.80	2	0	0	0	33	0	4	0	3	12	0	0	52					
Gauthier	G6	Gauthier	L9269	ATR	75261	LC1	LC1_EXT	Harvest	0.0	SB 70BF 10LA 10PO 10	85	9.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L9269	ATR	72258	SB1	SB1_EXT	Harvest	1.7	SB 90LA 10	85	9.0	1.00	2	0	0	0	161	0	0	0	12	0	0	0	173					
Gauthier	G6	Gauthier	L9270	ATR	75261	LC1	LC1_EXT	Harvest	0.8	SB 70BF 10LA 10PO 10	85	9.0	0.80	2	0	0	0	48	0	6	0	5	17	0	0	75					
Gauthier	G6	Gauthier	L9289	ATR	63061	MW2	MW2-EXT	Harvest	0.0	SB 50PO 40BW 10	65	9.0	1.00	1	0	0	0	0	0	0	0	0	0	0	0						
Gauthier	G6	Gauthier	L9289	ATR	65161	MW2	MW2-EXT	Harvest	0.8	SB 50PO 40BW 10	65	9.0	1.00	1	0	0	0	49	0	0	0	0	87	12	0	148					
Gauthier	G6	Gauthier	L9289	ATR	64658	MW2	MW2-EXT	Harvest	0.0	SB 50PO 40BW 10	125	20.0	0.40	0	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L9289	ATR	68360	MW2	MW2-EXT	Harvest	0.5	SB 50PO 40BW 10	125	20.0	0.40	0	0	0	0	34	0	0	0	0	11	3	0	49					
Gauthier	G6	Gauthier	L9289	ATR	68360	MW2	MW2-EXT	Harvest	0.0	SB 50PO 40BW 10	125	20.0	0.40	0	0	0	0	1	0	0	0	0	0	0	0	1					
Gauthier	G6	Gauthier	L9289	ATR	68360	MW2	MW2-EXT	Harvest	0.0	SB 50PO 40BW 10	125	20.0	0.40	0	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L9289	ATR	68360	MW2	MW2-EXT	Harvest	0.9	SB 50PO 40BW 10	125	20.0	0.40	0	0	0	0	58	0	0	0	0	19	6	0	82					
Gauthier	G6	Gauthier	L9289	ATR	58161	SB1	SB1_EXT	Harvest	0.0	SB 90LA 10	85	10.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L9289	ATR	65263	SB1	SB1_EXT	Harvest	2.8	SB 90LA 10	85	10.0	0.70	2	0	0	0	185	0	0	0	14	0	0	0	198					
Gauthier	G6	Gauthier	L9289	ATR	68562	SB1	SB1_EXT	Harvest	0.3	SB 90LA 10	85	9.0	1.00	2	0	0	0	27	0	0	0	2	0	0	0	30					
Gauthier	G6	Gauthier	L9289	ATR	68562	SB1	SB1_EXT	Harvest	0.0	SB 90LA 10	85	9.0	1.00	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L9289	ATR	68562	SB1	SB1_EXT	Harvest	1.0	SB 90LA 10	85	9.0	1.00	2	0	0	0	94	0	0	0	7	0	0	0	101					
Gauthier	G6	Gauthier	L9289	ATR	68562	SB1	SB1_EXT	Harvest	0.0	SB 90LA 10	85	9.0	1.00	2	0	0	0	3	0	0	0	0	0	0	0	3					
Gauthier	G6	Gauthier	L9289	ATR	68562	SB1	SB1_EXT	Harvest	0.1	SB 90LA 10	85	9.0	1.00	2	0	0	0	5	0	0	0	0	0	0	0	6					
Gauthier	G6	Gauthier	L9290	ATR	68360	MW2	MW2-EXT	Harvest	2.6	SB 50PO 40BW 10	125	20.0	0.40	0	0	0	0	164	0	0	0	0	53	16	0	234					
Gauthier	G6	Gauthier	L9290	ATR	68562	SB1	SB1_EXT	Harvest	0.0	SB 90LA 10	85	9.0	1.00	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L9290	ATR	68562	SB1	SB1_EXT	Harvest	4.1	SB 90LA 10	85	9.0	1.00	2	0	0	0	387	0	0	0	28	0	0	0	415					
Gauthier	G6	Gauthier	L9291	ATR	75261	LC1	LC1_EXT	Harvest	4.4	SB 70BF 10LA 10PO 10	85	9.0	0.80	2	0	0	0	254	0	30	0	24	89	0	0	397					
Gauthier	G6	Gauthier	L9291	ATR	72258	SB1	SB1_EXT	Harvest	0.2	SB 90LA 10	85	9.0	1.00	2	0	0	0	20	0	0	0	1	0	0	0	22					
Gauthier	G6	Gauthier	L9480	ATR	75261	LC1	LC1_EXT	Harvest	0.0	SB 70BF 10LA 10PO 10	85	9.0	0.80	2	0	0	0	1	0	0	0	0	0	0	0	1					
Subtotal Block G6 ATR Harvest									48.8										0.0	0.0	0.0	3,832.2	0.0	73.5	0.0	192.1	823.3	68.0	0.0	4,989.0	
Gauthier	G6	Gauthier	L10791	ATR	64766	SB1		Ineligible	0.0	SB 100	41	0.0	0.00	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L10791	ATR	64766	SB1		Ineligible	2.9	SB 100	41	0.0	0.00	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L10791	ATR	64766	SB1		Ineligible	0.0	SB 100	41	0.0	0.00	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L10791	ATR	71361	SP1		Ineligible	0.7	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	15	0	0	0	0	5	0	0	0	20					
Gauthier	G6	Gauthier	L10791	ATR	71361	SP1		Ineligible	0.0	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L10792	ATR	64766	SB1		Ineligible	2.1	SB 100	41	0.0	0.00	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L10792	ATR	67867	SB1		Ineligible	0.0	SB 100	41	0.0	0.00	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L9268	ATR	71361	SP1		Ineligible	0.2	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	5	0	0	0	0	2	0	0	0	7					
Gauthier	G6	Gauthier	L9268	ATR	71361	SP1		Ineligible	0.7	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	14	0	0	0	0	5	0	0	0	19					
Gauthier	G6	Gauthier	L9269	ATR	73858	LC1		Ineligible	6.4	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	74	157	0	0	0	78	0	47	0	356					
Gauthier	G6	Gauthier	L9269	ATR	74655	LC1		Ineligible	0.0	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L9269	ATR	74655	LC1		Ineligible	0.0	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L9269	ATR	75556	LC1		Ineligible	0.2	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	2	4	0	0	0	2	0	1	0	10					
Gauthier	G6	Gauthier	L9269	ATR	71257	SF1		Ineligible	1.0	SB 40LA 30BW 20PJ 10	47	4.0	0.50	2	0	0	6	0	0	0	0	0	8	0	0	15					
Gauthier	G6	Gauthier	L9269	ATR	71361	SP1		Ineligible	2.2	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	48	0	0	0	0	16	0	0	0	64					
Gauthier	G6	Gauthier	L9269	ATR	71361	SP1		Ineligible	0.4	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	8	0	0	0	0	3	0	0	0	11					
Gauthier	G6	Gauthier	L9269	ATR	71556	SP1		Ineligible	0.1	SB 40PJ 30LA 20BW 10	52	4.0	0.40	3	0	0	1	0	0	0	0	0	0	0	0	2					
Gauthier	G6	Gauthier	L9270	ATR	73858	LC1		Ineligible	0.4	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	4	9	0	0	0	5	0	3	0	21					
Gauthier	G6	Gauthier	L9270	ATR	74655	LC1		Ineligible	0.0	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L9270	ATR	75556	LC1		Ineligible	1.0	SB 50LA 30PJ 10BW 10	47	7.0	0.70	1	0	0	12	25	0	0	0	12	0	7	0	56					
Gauthier	G6	Gauthier	L9270	ATR	71361	SP1		Ineligible	6.0	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	129	0	0	0	0	42	0	0	0	172					
Gauthier	G6	Gauthier	L9270	ATR	77056	SP1		Ineligible	0.7	SB 40PJ 30PO 20LA 10	32	4.0	0.70	0	0	0	17	10	0	0	0	2	13	0	0	42					
Gauthier	G6	Gauthier	L9270	ATR	77156	SP1		Ineligible	0.0	SB 40PJ 30PO 20LA 10	32	4.0	0.70	0	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L9289	ATR	71361	SP1		Ineligible	0.2	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	3	0	0	0	0	1	0	0	0	4					
Gauthier	G6	Gauthier	L9290	ATR	71361	SP1		Ineligible	4.7	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	101	0	0	0	0	33	0	0	0	134					
Gauthier	G6	Gauthier	L9291	ATR	71361	SP1		Ineligible	6.8	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	146	0	0	0	0	48	0	0	0	194					
Gauthier	G6	Gauthier	L9291	ATR	71361	SP1		Ineligible	0.0	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L9480	ATR	71361	SP1		Ineligible	0.4	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	8	0	0	0	0	3	0	0	0	10					
Gauthier	G6	Gauthier	L9480	ATR	78260	SP1		Ineligible	0.0	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0					
Subtotal Block G6 ATR Ineligible									36.9											0.0	0.0	593.8	205.8	0.0	0.0	0.0	100.0	169.8	66.6	0.0	1,136.0
Gauthier	G6	Gauthier	L3791	PR	71361	SP1		AOC	0.1	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	2	0	0	0	0	0	0	0	0	2					
Gauthier	G6	Gauthier	L3791	PR	71361	SP1		AOC	0.1	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	2	0	0	0	0	1	0	0	0	3					
Gauthier	G6	Gauthier	L3792	PR	64766	SB1		AOC	0.0	SB 100	41	0.0	0.00	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L3792	PR	64766	SB1		AOC	0.0	SB 100	41	0.0	0.00	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L3792	PR	64766	SB1		AOC	0.0	SB 100	41	0.0	0.00	2	0	0	0	0	0	0	0	0	0	0	0	0					
Gauthier	G6	Gauthier	L3792	PR	70264	SB1		AOC	1.3	SB 90LA 10	85	10.0	0.70	2	0	0	0	88	0	0	0	6	0								

Harvest Block G6

Subtotal Block G6 PR Area of Conern								3.2						0.0	0.0	8.5	176.6	0.0	0.0	0.0	12.9	2.8	0.0	0.0	200.9
Gauthier	G6	Gauthier	L3791	PR	70264	SB1	SB1_EXT	Harvest	0.4	SB 90LA 10	85	10.0	0.70	2	0	0	0	29	0	0	0	2	0	0	31
Gauthier	G6	Gauthier	L3792	PR	66965	SB1	SB1_EXT	Harvest	2.8	SB 100	85	15.0	0.90	0	0	0	0	657	0	0	0	0	0	0	657
Gauthier	G6	Gauthier	L3792	PR	68562	SB1	SB1_EXT	Harvest	1.3	SB 90LA 10	85	9.0	1.00	2	0	0	0	119	0	0	0	9	0	0	127
Gauthier	G6	Gauthier	L3792	PR	70264	SB1	SB1_EXT	Harvest	1.0	SB 90LA 10	85	10.0	0.70	2	0	0	0	67	0	0	0	5	0	0	71
Gauthier	G6	Gauthier	L3792	PR	70264	SB1	SB1_EXT	Harvest	0.2	SB 90LA 10	85	10.0	0.70	2	0	0	0	12	0	0	0	1	0	0	13
Gauthier	G6	Gauthier	L3792	PR	70264	SB1	SB1_EXT	Harvest	0.2	SB 90LA 10	85	10.0	0.70	2	0	0	0	13	0	0	0	1	0	0	14
Gauthier	G6	Gauthier	L3792	PR	70264	SB1	SB1_EXT	Harvest	0.2	SB 90LA 10	85	10.0	0.70	2	0	0	0	13	0	0	0	1	0	0	14
Gauthier	G6	Gauthier	L3792	PR	70264	SB1	SB1_EXT	Harvest	1.8	SB 90LA 10	85	10.0	0.70	2	0	0	0	115	0	0	0	8	0	0	124
Subtotal Block G6 PR Harvest								7.9						0.0	0.0	0.0	1,024.6	0.0	0.0	0.0	27.0	0.0	0.0	0.0	1,051.6
Gauthier	G6	Gauthier	L3791	PR	71361	SP1		Ineligible	1.8	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	39	0	0	0	0	13	0	0	52
Gauthier	G6	Gauthier	L3792	PR	64766	SB1		Ineligible	0.0	SB 100	41	0.0	0.00	2	0	0	0	0	0	0	0	0	0	0	0
Gauthier	G6	Gauthier	L3792	PR	64766	SB1		Ineligible	1.7	SB 100	41	0.0	0.00	2	0	0	0	0	0	0	0	0	0	0	0
Gauthier	G6	Gauthier	L3792	PR	71361	SP1		Ineligible	0.0	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0
Gauthier	G6	Gauthier	L3792	PR	71361	SP1		Ineligible	0.0	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0
Gauthier	G6	Gauthier	L3792	PR	71361	SP1		Ineligible	5.0	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	107	0	0	0	0	35	0	0	143
Subtotal Block G6 PR Ineligible								8.5						0.0	0.0	146.6	0.0	0.0	0.0	0.0	48.2	0.0	0.0	194.7	
Gauthier	G6	Gauthier	L10790		67069	BSH		Non-Prod	2.4																
Gauthier	G6	Gauthier	L10791		66560	BSH		Non-Prod	1.2																
Gauthier	G6	Gauthier	L10792		67069	BSH		Non-Prod	6.9																
Gauthier	G6	Gauthier	L10792		70367	BSH		Non-Prod	0.0																
Gauthier	G6	Gauthier	L3791		73165	BSH		Non-Prod	5.3																
Gauthier	G6	Gauthier	L3792		73165	BSH		Non-Prod	1.8																
Gauthier	G6	Gauthier	L9268		73165	BSH		Non-Prod	3.0																
Gauthier	G6	Gauthier	L9269		76157	BSH		Non-Prod	0.9																
Gauthier	G6	Gauthier	L9269		73956	BSH		Non-Prod	0.0																
Gauthier	G6	Gauthier	L9270		76157	BSH		Non-Prod	2.0																
Gauthier	G6	Gauthier	L9289		66560	BSH		Non-Prod	3.1																
Gauthier	G6	Gauthier	L9289		61057	BSH		Non-Prod	0.0																
Gauthier	G6	Gauthier	L9289		68459	OMS		Non-Prod	0.1																
Gauthier	G6	Gauthier	L9289		68758	OMS		Non-Prod	0.0																
Gauthier	G6	Gauthier	L9290		68459	OMS		Non-Prod	0.5																
Subtotal Block G6 Non-Productive								27.4																	
Total Block G6 Non-Harvest								83.7						0.0	0.0	784.0	784.6	0.0	4.4	0.0	144.8	265.1	77.0	0.0	2,060.0
Total Block G6 Harvest								56.7						0.0	0.0	0.0	4,856.7	0.0	73.5	0.0	219.1	823.3	68.0	0.0	6,040.6

Forest Management Plan - Operational Block Summary																												
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Preferred SGR Code	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters													
															White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total		
Gauthier	G7	Gauthier	L10559	ATR	89464	SB1		AOC	0.0	SB 100	85	12.0	0.80	1	0	0	0	3	0	0	0	0	0	0	3			
Gauthier	G7	Gauthier	L10559	ATR	89464	SB1		AOC	0.7	SB 100	85	12.0	0.80	1	0	0	0	100	0	0	0	0	0	0	100			
Gauthier	G7	Gauthier	L10559	ATR	89464	SB1		AOC	0.2	SB 100	85	12.0	0.80	1	0	0	0	23	0	0	0	0	0	0	23			
Gauthier	G7	Gauthier	L10559	ATR	89466	SB1		AOC	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0			
Gauthier	G7	Gauthier	L10559	ATR	89466	SB1		AOC	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	2	0	0	0	0	0	0	3			
Gauthier	G7	Gauthier	L10559	ATR	89466	SB1		AOC	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0			
Gauthier	G7	Gauthier	L10559	ATR	89466	SB1		AOC	0.5	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	54	8	0	0	12	0	75				
Gauthier	G7	Gauthier	L10559	ATR	89466	SB1		AOC	0.4	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	4	7	0	0	9	0	60				
Gauthier	G7	Gauthier	L10559	ATR	89466	SB1		AOC	0.2	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	26	4	0	0	6	0	35				
Gauthier	G7	Gauthier	L10559	ATR	89466	SB1		AOC	0.1	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	15	2	0	0	3	0	21				
Gauthier	G7	Gauthier	L10559	ATR	89466	SB1		AOC	0.1	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	16	2	0	0	3	0	22				
Gauthier	G7	Gauthier	L10560	ATR	89466	SB1		AOC	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	1	0	0	0	0	0	1				
Gauthier	G7	Gauthier	L10754	ATR	88569	SB1		AOC	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	0	0	0	0	0	0	0				
Gauthier	G7	Gauthier	L10754	ATR	89466	SB1		AOC	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	1	0	0	0	0	0	1				
Gauthier	G7	Gauthier	L10754	ATR	89466	SB1		AOC	0.1	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	14	2	0	0	3	0	19				
Gauthier	G7	Gauthier	L10754	ATR	89466	SB1		AOC	0.6	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	70	11	0	0	15	0	96				
Gauthier	G7	Gauthier	L10754	ATR	89466	SB1		AOC	0.4	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	39	6	0	0	9	0	54				
Gauthier	G7	Gauthier	L10790	ATR	64671	PO1		AOC	0.1	PO 60SB 20BW 20	85	17.0	0.70	3	0	0	0	1	0	0	0	11	2	14				
Gauthier	G7	Gauthier	L10792	ATR	67370	SB1		AOC	0.3	SB 80LA 10BW 10	85	11.0	0.70	2	0	0	0	20	0	0	2	3	0	25				
Gauthier	G7	Gauthier	L10792	ATR	67370	SB1		AOC	0.0	SB 80LA 10BW 10	85	11.0	0.70	2	0	0	0	0	0	0	0	0	0	0				
Gauthier	G7	Gauthier	L11961	ATR	79566	SB1		AOC	0.1	SB 100	85	12.0	0.80	1	0	0	0	16	0	0	0	0	0	16				
Gauthier	G7	Gauthier	L11961	ATR	79566	SB1		AOC	0.1	SB 100	85	12.0	0.80	1	0	0	0	18	0	0	0	0	0	18				
Gauthier	G7	Gauthier	L11961	ATR	79566	SB1		AOC	0.3	SB 100	85	12.0	0.80	1	0	0	0	46	0	0	0	0	0	46				
Gauthier	G7	Gauthier	L11962	ATR	79566	SB1		AOC	0.0	SB 100	85	12.0	0.80	1	0	0	0	3	0	0	0	0	0	3				
Gauthier	G7	Gauthier	L9268	ATR	78963	SB1		AOC	0.1	SB 90LA 10	85	9.0	0.40	2	0	0	0	3	0	0	0	0	0	4				
Gauthier	G7	Gauthier	L9480	ATR	78963	SB1		AOC	0.1	SB 90LA 10	85	9.0	0.40	2	0	0	0	4	0	0	0	0	0	4				
Gauthier	G7	Gauthier	L9480	ATR	78963	SB1		AOC	0.2	SB 90LA 10	85	9.0	0.40	2	0	0	0	6	0	0	0	0	0	6				
Gauthier	G7	Gauthier	L9480	ATR	79566	SB1		AOC	0.2	SB 100	85	12.0	0.80	1	0	0	0	34	0	0	0	0	0	34				
Subtotal Block G7 ATR Area of Concern									5.1								0.0	0.0	0.0	559.0	43.7	0.0	0.0	2.7	72.5	5.0	0.0	682.8
Gauthier	G7	Gauthier	L10559	ATR	88569	SB1	SB1_EXT	Harvest	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0			
Gauthier	G7	Gauthier	L10559	ATR	89464	SB1	SB1_EXT	Harvest	0.1	SB 100	85	12.0	0.80	1	0	0	0	8	0	0	0	0	0	0	8			
Gauthier	G7	Gauthier	L10559	ATR	89464	SB1	SB1_EXT	Harvest	0.0	SB 100	85	12.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0			
Gauthier	G7	Gauthier	L10559	ATR	89466	SB1	SB1_EXT	Harvest	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	71	0	0	0	0	0	71				
Gauthier	G7	Gauthier	L10559	ATR	89466	SB1	SB1_EXT	Harvest	5.8	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	4	1	0	0	1	0	5				
Gauthier	G7	Gauthier	L10559	ATR	95864	SP1	SB1_EXT	Harvest	0.6	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	0	649	101	0	0	0	141	0	891			
Gauthier	G7	Gauthier	L10560	ATR	89466	SB1	SB1_EXT	Harvest	0.1	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	27	0	0	0	9	5	62				
Gauthier	G7	Gauthier	L10754	ATR	88569	SB1	SB1_EXT	Harvest	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	11	2	0	0	2	0	15				
Gauthier	G7	Gauthier	L10754	ATR	89466	SB1	SB1_EXT	Harvest	0.1	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	0	0	0	0	0	0	0				
Gauthier	G7	Gauthier	L10754	ATR	89466	SB1	SB1_EXT	Harvest	0.2	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	18	3	0	0	4	0	24				
Gauthier	G7	Gauthier	L10754	ATR	89466	SB1	SB1_EXT	Harvest	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	2	0	0	0	1	0	3				
Gauthier	G7	Gauthier	L10754	ATR	89466	SB1	SB1_EXT	Harvest	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	1	0	0	0	0	0	1				
Gauthier	G7	Gauthier	L10754	ATR	89466	SB1	SB1_EXT	Harvest	0.1	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	6	1	0	0	1	0	8				
Gauthier	G7	Gauthier	L10754	ATR	89466	SB1	SB1_EXT	Harvest	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	0	0	0	0	0	0	0				
Gauthier	G7	Gauthier	L10754	ATR	89466	SB1	SB1_EXT	Harvest	0.5	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	60	9	0	0	13	0	82				
Gauthier	G7	Gauthier	L10754	ATR	89466	SB1	SB1_EXT	Harvest	0.8	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	90	14	0	0	20	0	123				
Gauthier	G7	Gauthier	L10790	ATR	64671	PO1	SB1_EXT	Harvest	0.6	PO 60SB 20BW 20	85	17.0	0.70	3	0	0	0	3	0	0	0	43	8	54				
Gauthier	G7	Gauthier	L10790	ATR	67370	SB1	SB1_EXT	Harvest	0.0	SB 80LA 10BW 10	85	11.0	0.70	2	0	0	0	2	0	0	0	0	0	3				
Gauthier	G7	Gauthier	L10792	ATR	64671	PO1	SB1_EXT	Harvest	1.3	PO 60SB 20BW 20	85	17.0	0.70	3	0	0	0	7	0	0	0	100	17	124				
Gauthier	G7	Gauthier	L10792	ATR	65573	PO1	SB1_EXT	Harvest	0.0	PO 60SB 20BW 20	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0				
Gauthier	G7	Gauthier	L10792	ATR	67370	SB1	SB1_EXT	Harvest	3.0	SB 80LA 10BW 10	85	11.0	0.70	2	0	0	0	177	0	0	15	0	26	218				
Gauthier	G7	Gauthier	L10792	ATR	67370	SB1	SB1_EXT	Harvest	0.0	SB 80LA 10BW 10	85	11.0	0.70	2	0	0	0	0	0	0	0	0	0	0				
Gauthier	G7	Gauthier	L11961	ATR	79566	SB1	SB1_EXT	Harvest	7.7	SB 100	85	12.0	0.80	1	0	0	0	1,075	0	0	0	0	0	1,075				
Gauthier	G7	Gauthier	L11961	ATR	81667	SP1	SP1_INT1	Harvest	0.1	SB 70PO 20SW 10	85	12.0	0.80	1	0	0	0	10	2	0	0	5	0	16				
Gauthier	G7	Gauthier	L11961	ATR	85366	SP1	SP1_INT1	Harvest	7.7	SB 70PO 20SW 10	85	12.0	0.80	1	0	0	0	751	133	0	0	374	0	1,258				
Gauthier	G7	Gauthier	L11962	ATR	78963	SB1	SB1_EXT	Harvest	0.3	SB 90LA 10	85	9.0	0.40	2	0	0	0	13	0	0	0	1	0	14				
Gauthier	G7	Gauthier	L11962	ATR	78963	SB1	SB1_EXT	Harvest	0.0	SB 90LA 10	85	9.0	0.40	2	0	0	0	0	0	0	0	0	0	0				
Gauthier	G7	Gauthier	L11962	ATR	79566	SB1	SB1_EXT	Harvest	0.2	SB 90LA 10	85	9.0	0.40	2	0	0	0	8	0	0	0	1	0	9				
Gauthier	G7	Gauthier	L11962	ATR	79566	SP1	SP1_INT1	Harvest	14.0	SB 100	85	12.0	0.80	1	0	0	0	1,953	0	0	0	0	0	1,953				
Gauthier	G7	Gauthier	L11962	ATR	78967	SP1	SP1_INT1	Harvest	1.7	SB 70PO 20SW 10	85	12.0	0.80	1	0	0	0	167	30	0	0	83	0	280				
Gauthier	G7	Gauthier	L11962	ATR	81667	SP1	SP1_INT1	Harvest	3.7	SB 70PO 20SW 10	85	12.0	0.80	1	0	0	0	364	65	0	0	181	0	609				
Gauthier	G7	Gauthier	L11962	ATR	82569	SP1	SP1_INT1	Harvest	0.0	SB 70PO 20SW 10	85	12.0	0.80	1	0	0	0	0	0	0	0	0	0	0				
Gauthier	G7	Gauthier	L9268	ATR	78963	SB1	SB1_EXT	Harvest	0.5	SB 90LA 10	85	9.0	0.40	2	0	0	0	18	0	0	0	1	0	20				
Gauthier	G7	Gauthier	L9268	ATR	79566	SB1	SB1_EXT	Harvest	0.0	SB 100	85	12.0	0.80	1	0	0	0	6	0	0	0	0	0	6				
Gauthier	G7	Gauthier	L9480	ATR	78963	SB1	SB1_EXT	Harvest	2.6	SB 90LA 10	85	9.0	0.40	2	0	0	0	95	0	0	7	0	0	103				
G																												

Forest Management Plan - Operational Block Summary																											
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Preferred SGR Code	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters										Total		
															White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch		Other Hardwood	
Gauthier	G8	Gauthier	L10065	ATR	89466	SB1		AOC	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	4	1	0	0	0	0	0	0	0	6
Gauthier	G8	Gauthier	L10065	ATR	95864	SP1		AOC	0.1	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	3	4	0	0	0	0	0	1	1	0	8
Gauthier	G8	Gauthier	L10065	ATR	97867	SP1		AOC	0.0	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	0	1	0	0	0	0	0	0	0	0	1
Gauthier	G8	Gauthier	L10559	ATR	96168	LC1		AOC	0.1	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	5	0	0	1	1	2	0	0	8	
Gauthier	G8	Gauthier	L10559	ATR	97867	SP1		AOC	0.1	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	4	6	0	0	0	0	2	1	0	13	
Gauthier	G8	Gauthier	L10754	ATR	96168	LC1		AOC	0.1	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	5	0	0	1	1	2	0	0	9	
Gauthier	G8	Gauthier	L10754	ATR	96168	LC1		AOC	0.2	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	9	0	0	2	1	4	0	0	16	
Gauthier	G8	Gauthier	L10754	ATR	96168	LC1		AOC	0.0	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	1	0	0	0	0	0	0	0	1	
Gauthier	G8	Gauthier	L10754	ATR	95864	SP1		AOC	0.2	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	6	8	0	0	0	0	3	1	0	17	
Gauthier	G8	Gauthier	L10754	ATR	95864	SP1		AOC	0.2	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	8	10	0	0	0	0	4	2	0	23	
Gauthier	G8	Gauthier	L10754	ATR	95864	SP1		AOC	0.1	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	2	3	0	0	0	0	1	1	0	7	
Gauthier	G8	Gauthier	L10754	ATR	97867	SP1		AOC	0.1	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	2	2	0	0	0	0	1	0	0	6	
Gauthier	G8	Gauthier	L11144	ATR	1367	LC1		AOC	0.0	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	1	0	0	0	0	0	0	0	2	
Gauthier	G8	Gauthier	L11144	ATR	1367	LC1		AOC	0.1	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	5	0	0	1	1	2	0	0	8	
Gauthier	G8	Gauthier	L11144	ATR	1367	LC1		AOC	0.2	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	9	0	0	2	1	3	0	0	15	
Gauthier	G8	Gauthier	L11144	ATR	1367	LC1		AOC	0.1	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	8	0	0	2	1	3	0	0	15	
Gauthier	G8	Gauthier	L11144	ATR	1367	LC1		AOC	0.2	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	10	0	0	2	1	4	0	0	17	
Gauthier	G8	Gauthier	L11144	ATR	1367	LC1		AOC	0.0	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G8	Gauthier	L11144	ATR	6667	SB1		AOC	0.1	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	4	0	0	0	0	1	0	0	5	
Gauthier	G8	Gauthier	L11144	ATR	6667	SB1		AOC	0.1	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	7	0	0	0	0	2	1	0	10	
Gauthier	G8	Gauthier	L11144	ATR	6667	SB1		AOC	0.9	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	48	0	0	0	0	10	6	0	64	
Gauthier	G8	Gauthier	L11144	ATR	6667	SB1		AOC	0.0	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	1	0	0	0	0	0	0	0	2	
Gauthier	G8	Gauthier	L16237	ATR	1367	LC1		AOC	0.0	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	2	0	0	1	0	1	0	0	4	
Gauthier	G8	Gauthier	L9547	ATR	7370	PO1		AOC	0.2	PO 60BW 30SB 10	75	15.0	0.70	3	0	0	0	0	0	0	0	0	11	3	0	14	
Gauthier	G8	Gauthier	L9547	ATR	7370	PO1		AOC	0.4	PO 60BW 30SB 10	75	15.0	0.70	3	0	0	0	0	0	0	0	0	27	7	0	35	
Gauthier	G8	Gauthier	L9659	ATR	7370	PO1		AOC	0.3	PO 60BW 30SB 10	75	15.0	0.70	3	0	0	0	0	0	0	0	0	20	5	0	26	
Gauthier	G8	Gauthier	L9659	ATR	6667	SB1		AOC	0.4	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	22	0	0	0	0	5	3	0	30	
Gauthier	G8	Gauthier	L9659	ATR	6667	SB1		AOC	0.0	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	0	0	0	0	0	0	0	0	1	
Gauthier	G8	Gauthier	L9659	ATR	6667	SB1		AOC	0.1	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	6	0	0	0	0	1	1	0	7	
Gauthier	G8	Gauthier	L9659	ATR	6667	SB1		AOC	0.1	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	8	0	0	0	0	2	1	0	11	
Gauthier	G8	Gauthier	L9695	ATR	97867	SP1		AOC	0.4	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	14	18	0	0	0	6	3	0	42		
Gauthier	G8	Gauthier	L9696	ATR	89466	SB1		AOC	0.5	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	56	9	0	0	0	12	0	0	77	
Gauthier	G8	Gauthier	L9696	ATR	89466	SB1		AOC	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	2	0	0	0	0	0	0	0	3	
Gauthier	G8	Gauthier	L9696	ATR	97867	SP1		AOC	0.0	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	0	1	1	0	0	0	0	0	0	3	
Subtotal Block G8 ATR Area of Concern									5.3					0.0	0.0	39.8	268.0	9.6	0.0	11.7	6.1	134.6	36.8	0.0	506.7		
Gauthier	G8	Gauthier	L10065	ATR	1367	LC1	LC1_EXT	Harvest	0.1	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	6	0	0	1	1	3	0	0	11	
Gauthier	G8	Gauthier	L10065	ATR	1367	LC1	LC1_EXT	Harvest	0.9	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	52	0	0	11	6	21	0	0	89	
Gauthier	G8	Gauthier	L10065	ATR	93970	LC1	LC1_EXT	Harvest	0.0	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G8	Gauthier	L10065	ATR	93970	LC1	LC1_EXT	Harvest	0.0	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G8	Gauthier	L10065	ATR	96168	LC1	LC1_EXT	Harvest	1.3	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	71	0	0	15	8	29	0	0	122	
Gauthier	G8	Gauthier	L10065	ATR	89466	SB1	SB1_EXT	Harvest	0.0	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	5	1	0	0	0	1	0	0	7	
Gauthier	G8	Gauthier	L10065	ATR	95864	SP1	SB1_EXT	Harvest	1.2	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	40	53	0	0	0	0	18	10	0	121	
Gauthier	G8	Gauthier	L10065	ATR	97269	SP1	SP1-INT1	Harvest	0.0	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G8	Gauthier	L10065	ATR	97867	SP1	SP1-INT1	Harvest	7.2	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	234	311	0	0	0	0	109	59	0	713	
Gauthier	G8	Gauthier	L10559	ATR	96168	LC1	LC1_EXT	Harvest	0.0	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G8	Gauthier	L10559	ATR	96168	LC1	LC1_EXT	Harvest	0.0	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G8	Gauthier	L10559	ATR	97867	SP1	SP1-INT1	Harvest	0.0	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G8	Gauthier	L10559	ATR	97867	SP1	SP1-INT1	Harvest	0.0	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G8	Gauthier	L10754	ATR	96168	LC1	LC1_EXT	Harvest	4.0	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	223	0	0	47	25	91	0	0	386	
Gauthier	G8	Gauthier	L10754	ATR	95864	SP1	SP1-INT1	Harvest	2.9	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	95	126	0	0	0	0	44	24	0	289	
Gauthier	G8	Gauthier	L10754	ATR	95864	SP1	SP1-INT1	Harvest	0.0	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	0	1	0	0	0	0	0	0	0	1	
Gauthier	G8	Gauthier	L10754	ATR	95864	SP1	SP1-INT1	Harvest	1.7	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	57	76	0	0	0	0	27	14	0	174	
Gauthier	G8	Gauthier	L10754	ATR	97867	SP1	SP1-INT1	Harvest	3.9	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	128	171	0	0	0	0	60	32	0	390	
Gauthier	G8	Gauthier	L11144	ATR	1367	LC1	LC1_EXT	Harvest	0.1	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	3	0	0	1	0	1	0	0	6	
Gauthier	G8	Gauthier	L11144	ATR	1367	LC1	LC1_EXT	Harvest	4.7	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	262	0	0	55	29	107	0	0	452	
Gauthier	G8	Gauthier	L11144	ATR	6667	SB1	SB1_EXT	Harvest	0.4	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	21	0	0	0	0	4	2	0	28	
Gauthier	G8	Gauthier	L11144	ATR	6667	SB1	SB1_EXT	Harvest	0.7	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	39	0	0	0	0	9	5	0	52	
Gauthier	G8	Gauthier	L11144	ATR	97867	SP1	SP1-INT1	Harvest	0.2	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	6	8	0	0	0	0	3	1	0	17	
Gauthier	G8	Gauthier	L16237	ATR	1367	LC1	LC1_EXT	Harvest	1.0	SB 60CE 20LA 10PO 10	85	10.0	0.90	2	0	0	0	57	0	0	12	6	23	0	0	99	
Gauthier	G8																										

Harvest Block G8

Gauthier	G8	Gauthier	L9696	ATR	89466	SB1	SB1_EXT	Harvest	0.4	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	48	7	0	0	0	10	0	0	66		
Gauthier	G8	Gauthier	L9696	ATR	97867	SP1	SP1-INT1	Harvest	0.0	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	0	0	0	0	0	0	0	0	0	0		
Gauthier	G8	Gauthier	L9696	ATR	97867	SP1	SP1-INT1	Harvest	0.0	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	0	0	0	0	0	0	0	0	0	0		
Gauthier	G8	Gauthier	L9696	ATR	97867	SP1	SP1-INT1	Harvest	0.9	SB 50PJ 30PO 10BW 10	85	12.0	0.50	1	0	0	29	38	0	0	0	0	13	7	0	87		
Subtotal Block G8 ATR Harvest									52.5					0.0	0.0	701.3	2,494.6	8.2	0.0	155.7	81.1	1,074.6	337.4	0.0	4,853.0			
Gauthier	G8	Gauthier	L4279	PR	6667	SB1		AOC	0.4	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	23	0	0	0	0	5	3	0	31		
Gauthier	G8	Gauthier	L4279	PR	6667	SB1		AOC	0.1	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	3	0	0	0	0	1	0	0	5		
Gauthier	G8	Gauthier	L4279	PR	6667	SB1		AOC	0.1	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	7	0	0	0	0	2	1	0	10		
Gauthier	G8	Gauthier	L4280	PR	12267	LC1		AOC	0.1	SB 60LA 20BF 10PO 10	57	15.0	0.50	0	0	0	0	4	0	1	0	1	1	0	0	7		
Gauthier	G8	Gauthier	L4280	PR	12267	LC1		AOC	0.0	SB 60LA 20BF 10PO 10	57	15.0	0.50	0	0	0	0	1	0	0	0	0	0	0	0	2		
Gauthier	G8	Gauthier	L4280	PR	7370	PO1		AOC	0.0	PO 60BW 30SB 10	75	15.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0		
Gauthier	G8	Gauthier	L4280	PR	7370	PO1		AOC	0.0	PO 60BW 30SB 10	75	15.0	0.70	3	0	0	0	0	0	0	0	0	1	0	0	1		
Gauthier	G8	Gauthier	L4280	PR	7370	PO1		AOC	0.0	PO 60BW 30SB 10	75	15.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0		
Gauthier	G8	Gauthier	L4280	PR	7370	PO1		AOC	0.3	PO 60BW 30SB 10	75	15.0	0.70	3	0	0	0	0	0	0	0	20	5	0	26			
Gauthier	G8	Gauthier	L4280	PR	7370	PO1		AOC	0.1	PO 60BW 30SB 10	75	15.0	0.70	3	0	0	0	0	0	0	0	6	2	0	8			
Gauthier	G8	Gauthier	L4280	PR	6667	SB1		AOC	0.1	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	7	0	0	0	1	1	0	9			
Gauthier	G8	Gauthier	L4280	PR	6667	SB1		AOC	0.3	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	16	0	0	0	3	2	0	21			
Gauthier	G8	Gauthier	L4280	PR	6667	SB1		AOC	0.6	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	32	0	0	0	7	4	0	43			
Subtotal Block G8 PR Area of Concern									2.1					0.0	0.0	0.0	94.3	0.0	0.8	0.0	1.3	47.9	17.6	0.0	161.9			
Gauthier	G8	Gauthier	L4279	PR	6667	SB1	SB1_EXT	Harvest	0.0	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	1	0	0	0	0	0	0	0	2		
Gauthier	G8	Gauthier	L4279	PR	6667	SB1	SB1_EXT	Harvest	6.0	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	332	0	0	0	0	72	39	0	443		
Gauthier	G8	Gauthier	L4280	PR	7370	PO1	PO1_EXT	Harvest	3.2	PO 60BW 30SB 10	75	15.0	0.70	3	0	0	0	3	0	0	0	0	239	62	0	303		
Gauthier	G8	Gauthier	L4280	PR	7370	PO1	PO1_EXT	Harvest	0.0	PO 60BW 30SB 10	75	15.0	0.70	3	0	0	0	0	0	0	0	0	1	0	0	1		
Gauthier	G8	Gauthier	L4280	PR	7370	PO1	PO1_EXT	Harvest	0.6	PO 60BW 30SB 10	75	15.0	0.70	3	0	0	0	0	0	0	0	42	11	0	53			
Gauthier	G8	Gauthier	L4280	PR	6667	SB1	SB1_EXT	Harvest	0.6	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	33	0	0	0	0	7	4	0	45		
Gauthier	G8	Gauthier	L4280	PR	6667	SB1	SB1_EXT	Harvest	5.1	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	282	0	0	0	0	61	33	0	376		
Gauthier	G8	Gauthier	L4280	PR	6667	SB1	SB1_EXT	Harvest	0.0	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	1	0	0	0	0	0	0	0	2		
Gauthier	G8	Gauthier	L4280	PR	6667	SB1	SB1_EXT	Harvest	0.0	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	2	0	0	0	0	0	0	0	2		
Gauthier	G8	Gauthier	L4280	PR	6667	SB1	SB1_EXT	Harvest	0.0	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Gauthier	G8	Gauthier	L4280	PR	6667	SB1	SB1_EXT	Harvest	0.1	SB 80PO 10BW 10	85	12.0	0.40	1	0	0	0	4	0	0	0	0	1	0	0	5		
Subtotal Block G8 PR Harvest									15.6					0.0	0.0	0.0	657.7	0.0	0.0	0.0	0.0	0.0	423.6	150.7	0.0	1,232.0		
Gauthier	G8	Gauthier	L4279	PR	12267	LC1		Ineligible	0.9	SB 60LA 20BF 10PO 10	57	15.0	0.50	0	0	0	0	44	0	7	0	11	11	0	0	74		
Gauthier	G8	Gauthier	L4279	PR	15764	SP1		Ineligible	0.5	SB 60PJ 10SW 10BF 10BW 10	55	5.0	0.70	2	0	0	5	0	0	0	0	0	3	0	0	11		
Gauthier	G8	Gauthier	L4280	PR	12267	LC1		Ineligible	0.8	SB 60LA 20BF 10PO 10	57	15.0	0.50	0	0	0	0	42	0	6	0	11	11	0	0	70		
Gauthier	G8	Gauthier	L4280	PR	12267	LC1		Ineligible	2.4	SB 60LA 20BF 10PO 10	57	15.0	0.50	0	0	0	0	121	0	18	0	31	31	0	0	201		
Subtotal Block G8 PR Ineligible									4.6					0.0	0.0	5.2	209.6	0.3	31.8	0.0	52.8	53.2	3.4	0.0	356.2			
Gauthier	G8	Gauthier	L10065		93151	BSH		Non-Prod	4.6																			
Gauthier	G8	Gauthier	L10754		91068	BSH		Non-Prod	0.2																			
Gauthier	G8	Gauthier	L10754		93151	BSH		Non-Prod	6.2																			
Gauthier	G8	Gauthier	L11144		93151	BSH		Non-Prod	7.0																			
Gauthier	G8	Gauthier	L16158		9162	BSH		Non-Prod	0.0																			
Gauthier	G8	Gauthier	L4279		93151	BSH		Non-Prod	4.5																			
Gauthier	G8	Gauthier	L4280		93151	BSH		Non-Prod	2.5																			
Gauthier	G8	Gauthier	L9659		93151	BSH		Non-Prod	2.3																			
Gauthier	G8	Gauthier	L9695		93151	BSH		Non-Prod	4.6																			
Subtotal Block G8 Non-Productive									31.8																			
Total Block G8 Non-Harvest									43.7							0.0	0.0	45.0	571.9	10.0	32.6	11.7	60.2	235.6	57.8	0.0	1,024.7	
Total Block G8 Harvest									68.1							0.0	0.0	701.3	3,152.3	8.2	0.0	155.7	81.1	1,498.2	488.1	0.0	6,085.0	

Forest Management Plan - Operational Block Summary																											
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Preferred SGR Code	Depletion Type	Area	Species C	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
															White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Gauthier	G9	Gauthier	L10746	ATR	10072	SB1		AOC	0.1	SB 80LA	85	6.0	0.40	3	0	0	0	1	0	0	0	0	0	0	2		
Gauthier	G9	Gauthier	L10746	ATR	26671	SP1		AOC	1.6	SB 50BW	75	11.0	0.90	1	0	0	31	107	27	0	0	0	42	45	0	251	
Gauthier	G9	Gauthier	L11144	ATR	3471	PO1		AOC	0.0	PO 60BW	75	15.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0		
Gauthier	G9	Gauthier	L11144	ATR	6472	PO1		AOC	0.4	PO 60BW	75	15.0	0.70	3	0	0	0	0	0	0	0	0	27	7	0	34	
Gauthier	G9	Gauthier	L9547	ATR	6472	PO1		AOC	0.4	PO 60BW	75	15.0	0.70	3	0	0	0	0	0	0	0	0	31	8	0	39	
Gauthier	G9	Gauthier	L9547	ATR	6472	PO1		AOC	0.2	PO 60BW	75	15.0	0.70	3	0	0	0	0	0	0	0	0	17	5	0	22	
Gauthier	G9	Gauthier	L9547	ATR	6472	PO1		AOC	0.2	PO 60BW	75	15.0	0.70	3	0	0	0	0	0	0	0	0	13	3	0	16	
Gauthier	G9	Gauthier	L9547	ATR	6472	PO1		AOC	0.1	PO 60BW	75	15.0	0.70	3	0	0	0	0	0	0	0	0	6	2	0	8	
Gauthier	G9	Gauthier	L9547	ATR	26671	SP1		AOC	0.1	SB 50BW	75	11.0	0.90	1	0	0	3	9	2	0	0	0	3	4	0	21	
Gauthier	G9	Gauthier	L9660	ATR	8478	MW2		AOC	0.0	SB 40BW	75	11.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G9	Gauthier	L9660	ATR	8478	MW2		AOC	0.6	SB 40BW	75	11.0	0.80	1	0	0	10	28	0	0	0	0	14	22	7	81	
Gauthier	G9	Gauthier	L9660	ATR	11881	SB1		AOC	0.0	SB 80LA	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G9	Gauthier	L9660	ATR	26671	SP1		AOC	1.1	SB 50BW	75	11.0	0.90	1	0	0	22	76	19	0	0	0	29	32	0	178	
Gauthier	G9	Gauthier	L9660	ATR	26671	SP1		AOC	0.5	SB 50BW	75	11.0	0.90	1	0	0	10	34	8	0	0	0	13	14	0	79	
Gauthier	G9	Gauthier	L9660	ATR	26671	SP1		AOC	0.7	SB 50BW	75	11.0	0.90	1	0	0	14	48	12	0	0	0	19	20	0	112	
Gauthier	G9	Gauthier	L9661	ATR	5077	MW2		AOC	0.1	SB 40BW	75	11.0	0.80	1	0	0	2	7	0	0	0	0	3	5	2	19	
Gauthier	G9	Gauthier	L9661	ATR	8478	MW2		AOC	0.6	SB 40BW	75	11.0	0.80	1	0	0	10	29	0	0	0	0	14	23	7	82	
Gauthier	G9	Gauthier	L9661	ATR	8478	MW2		AOC	0.2	SB 40BW	75	11.0	0.80	1	0	0	3	9	0	0	0	0	4	7	2	25	
Gauthier	G9	Gauthier	L9661	ATR	26671	SP1		AOC	0.5	SB 50BW	75	11.0	0.90	1	0	0	10	35	9	0	0	0	14	15	0	82	
Subtotal Block G9 ATR Area of Concern									7.5						0.0	0.0	114.2	383.3	76.5	0.0	0.0	0.2	248.5	210.9	17.7	1,051.3	
Gauthier	G9	Gauthier	L10746	ATR	6472	PO1	PO1_EXT	Harvest	0.3	PO 60BW	75	15.0	0.70	3	0	0	0	0	0	0	0	22	6	0	28		
Gauthier	G9	Gauthier	L10746	ATR	10072	SB1	SB1_EXT	Harvest	6.1	SB 80LA	85	6.0	0.40	3	0	0	0	74	0	0	0	9	0	23	0	107	
Gauthier	G9	Gauthier	L10746	ATR	26671	SP1	SP1_EXT	Harvest	0.5	SB 50BW	75	11.0	0.90	1	0	0	10	34	8	0	0	0	13	14	0	80	
Gauthier	G9	Gauthier	L10746	ATR	26671	SP1	SP1_EXT	Harvest	2.4	SB 50BW	75	11.0	0.90	1	0	0	47	163	40	0	0	0	63	68	0	381	
Gauthier	G9	Gauthier	L11144	ATR	3471	PO1	PO1_EXT	Harvest	0.0	PO 60BW	75	15.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G9	Gauthier	L11144	ATR	6472	PO1	PO1_EXT	Harvest	0.3	PO 60BW	75	15.0	0.70	3	0	0	0	0	0	0	0	0	25	7	0	32	
Gauthier	G9	Gauthier	L9547	ATR	3673	MW2	MW2_EXT	Harvest	0.8	SB 40BW	75	11.0	0.80	1	0	0	14	38	0	0	0	0	18	30	9	109	
Gauthier	G9	Gauthier	L9547	ATR	5077	MW2	MW2_EXT	Harvest	0.5	SB 40BW	75	11.0	0.80	1	0	0	8	22	0	0	0	0	11	17	5	63	
Gauthier	G9	Gauthier	L9547	ATR	3471	PO1	PO1_EXT	Harvest	0.0	PO 60BW	75	15.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G9	Gauthier	L9547	ATR	6472	PO1	PO1_EXT	Harvest	9.5	PO 60BW	75	15.0	0.70	3	0	0	0	8	0	0	0	0	701	182	0	891	
Gauthier	G9	Gauthier	L9547	ATR	10072	SB1	SB1_EXT	Harvest	0.0	SB 80LA	85	6.0	0.40	3	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G9	Gauthier	L9547	ATR	26671	SP1	SP1_EXT	Harvest	0.7	SB 50BW	75	11.0	0.90	1	0	0	13	47	12	0	0	0	18	20	0	110	
Gauthier	G9	Gauthier	L9659	ATR	3471	PO1	PO1_EXT	Harvest	0.0	PO 60BW	75	15.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G9	Gauthier	L9659	ATR	6472	PO1	PO1_EXT	Harvest	0.3	PO 60BW	75	15.0	0.70	3	0	0	0	0	0	0	0	0	20	5	0	26	
Gauthier	G9	Gauthier	L9660	ATR	8478	MW2	MW2_EXT	Harvest	2.7	SB 40BW	75	11.0	0.80	1	0	0	45	127	0	0	0	0	61	99	31	364	
Gauthier	G9	Gauthier	L9660	ATR	8478	MW2	MW2_EXT	Harvest	0.0	SB 40BW	75	11.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G9	Gauthier	L9660	ATR	11881	SB1	SB1_EXT	Harvest	0.0	SB 80LA	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G9	Gauthier	L9660	ATR	26671	SP1	SP1_EXT	Harvest	8.7	SB 50BW	75	11.0	0.90	1	0	0	167	581	144	0	0	0	225	244	0	1,361	
Gauthier	G9	Gauthier	L9661	ATR	5077	MW2	MW2_EXT	Harvest	11.7	SB 40BW	75	11.0	0.80	1	0	0	198	557	0	0	0	0	270	437	137	1,598	
Gauthier	G9	Gauthier	L9661	ATR	7588	MW2	MW2_EXT	Harvest	0.0	SB 40BW	75	11.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0	
Gauthier	G9	Gauthier	L9661	ATR	8478	MW2	MW2_EXT	Harvest	1.1	SB 40BW	75	11.0	0.80	1	0	0	19	54	0	0	0	0	26	42	13	154	
Gauthier	G9	Gauthier	L9661	ATR	8478	MW2	MW2_EXT	Harvest	0.3	SB 40BW	75	11.0	0.80	1	0	0	5	13	0	0	0	0	6	10	3	37	
Gauthier	G9	Gauthier	L9661	ATR	26671	SP1	SP1_EXT	Harvest	0.7	SB 50BW	75	11.0	0.90	1	0	0	13	46	11	0	0	0	18	19	0	107	
Subtotal Block G9 ATR Harvest									46.5						0.0	0.0	538.2	1,763.3	215.7	0.0	0.0	9.1	1,498.7	1,223.1	198.7	5,446.7	
Gauthier	G9	Gauthier	L9547		6675	BSH		Non-Prod	4.5																		
Gauthier	G9	Gauthier	L9547		3174	BSH		Non-Prod	0.0																		
Gauthier	G9	Gauthier	L9547		82780	BSH		Non-Prod	0.0																		
Gauthier	G9	Gauthier	L9547		93151	BSH		Non-Prod	2.4																		
Gauthier	G9	Gauthier	L9660		9579	OMS		Non-Prod	0.0																		
Gauthier	G9	Gauthier	L9660		6675	BSH		Non-Prod	1.7																		
Gauthier	G9	Gauthier	L9660		9878	OMS		Non-Prod	0.8																		
Gauthier	G9	Gauthier	L9660		10579	WAT		Non-Prod	0.4																		
Gauthier	G9	Gauthier	L9661		6675	BSH		Non-Prod	5.2																		
Subtotal Block G9 Non-Productive									15.0																		
Total Block G9 Non-Harvest									22.5						0.0	0.0	114.2	383.3	76.5	0.0	0.0	0.2	248.5	210.9	17.7	1,051.3	
Total Block G9 Harvest									46.5						0.0	0.0	538.2	1,763.3	215.7	0.0	0.0	9.1	1,498.7	1,223.1	198.7	5,446.7	

Forest Management Plan - Operational Block Summary																	Stand Volume Cubic Meters													
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Preferred SGR Code	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total				
Gauthier	G10	Gauthier	L10744	ATR	15877	MW2		AOC	0.4	PO 30LA 30SB 20BW 20	37	7.0	0.60	3	0	0	0	0	0	0	0	0	5	2	0	6				
Gauthier	G10	Gauthier	L10744	ATR	15877	MW2		AOC	0.5	PO 30LA 30SB 20BW 20	37	7.0	0.60	3	0	0	0	0	0	0	0	0	5	2	0	7				
Gauthier	G10	Gauthier	L10744	ATR	14379	MW2		AOC	0.4	SB 40BW 30MR 10PO 10PJ 10	75	11.0	0.80	1	0	0	7	21	0	0	0	0	10	16	5	59				
Gauthier	G10	Gauthier	L10744	ATR	14379	MW2		AOC	0.3	SB 40BW 30MR 10PO 10PJ 10	75	11.0	0.80	1	0	0	5	15	0	0	0	0	7	12	4	43				
Gauthier	G10	Gauthier	L10744	ATR	22678	MW2		AOC	0.0	SB 40BW 30MR 10PO 10PJ 10	75	11.0	0.80	1	0	0	0	1	0	0	0	0	1	1	0	3				
Gauthier	G10	Gauthier	L10744	ATR	12779	SB1		AOC	0.1	SB 80LA 10PO 10	85	11.0	0.60	2	0	0	0	3	0	0	0	0	1	0	0	4				
Gauthier	G10	Gauthier	L10745	ATR	15877	MW2		AOC	1.3	PO 30LA 30SB 20BW 20	37	7.0	0.60	3	0	0	0	0	0	0	0	0	14	6	0	20				
Gauthier	G10	Gauthier	L10745	ATR	13876	PO1		AOC	1.1	PO 70LA 20BW 10	37	8.0	0.40	3	0	0	0	0	0	0	0	0	18	2	0	20				
Gauthier	G10	Gauthier	L10745	ATR	13876	PO1		AOC	0.1	PO 70LA 20BW 10	37	8.0	0.40	3	0	0	0	0	0	0	0	0	2	0	0	2				
Gauthier	G10	Gauthier	L10745	ATR	10072	SB1		AOC	0.0	SB 80LA 10BW 10	85	6.0	0.40	3	0	0	0	0	0	0	0	0	0	0	0	1				
Gauthier	G10	Gauthier	L10745	ATR	26671	SP1		AOC	0.7	SB 50BW 20SW 10PO 10PJ 10	75	11.0	0.90	1	0	0	13	45	11	0	0	0	18	19	0	106				
Gauthier	G10	Gauthier	L10745	ATR	26671	SP1		AOC	1.2	SB 50BW 20SW 10PO 10PJ 10	75	11.0	0.90	1	0	0	23	81	20	0	0	0	31	34	0	189				
Subtotal Block G10 ATR Area of Concern									6.3					0.0	0.0	49.2	166.0	31.2	0.0	0.0	0.3	111.6	92.9	9.0	460.3					
Gauthier	G10	Gauthier	L10743	ATR	22678	MW2	MW2_EXT	Harvest	9.9	SB 40BW 30MR 10PO 10PJ 10	75	11.0	0.80	1	0	0	169	474	0	0	0	0	230	372	116	1,362				
Gauthier	G10	Gauthier	L10744	ATR	14379	MW2	MW2_EXT	Harvest	0.0	SB 40BW 30MR 10PO 10PJ 10	75	11.0	0.80	1	0	0	1	2	0	0	0	0	1	2	1	7				
Gauthier	G10	Gauthier	L10744	ATR	14379	MW2	MW2_EXT	Harvest	4.2	SB 40BW 30MR 10PO 10PJ 10	75	11.0	0.80	1	0	0	72	202	0	0	0	0	98	159	50	581				
Gauthier	G10	Gauthier	L10744	ATR	14379	MW2	MW2_EXT	Harvest	0.4	SB 40BW 30MR 10PO 10PJ 10	75	11.0	0.80	1	0	0	7	20	0	0	0	0	9	15	5	56				
Gauthier	G10	Gauthier	L10744	ATR	22678	MW2	MW2_EXT	Harvest	1.9	SB 40BW 30MR 10PO 10PJ 10	75	11.0	0.80	1	0	0	32	90	0	0	0	0	43	70	22	258				
Gauthier	G10	Gauthier	L10744	ATR	12779	SB1	SB1_EXT	Harvest	4.1	SB 80LA 10PO 10	85	11.0	0.60	2	0	0	0	204	0	0	0	17	63	0	0	284				
Gauthier	G10	Gauthier	L10744	ATR	26671	SP1	SP1_EXT	Harvest	0.6	SB 50BW 20SW 10PO 10PJ 10	75	11.0	0.90	1	0	0	12	42	10	0	0	0	16	18	0	98				
Gauthier	G10	Gauthier	L10745	ATR	14379	MW2	MW2_EXT	Harvest	0.1	SB 40BW 30MR 10PO 10PJ 10	75	11.0	0.80	1	0	0	1	4	0	0	0	0	2	3	1	10				
Gauthier	G10	Gauthier	L10745	ATR	22678	MW2	MW2_EXT	Harvest	0.7	SB 40BW 30MR 10PO 10PJ 10	75	11.0	0.80	1	0	0	12	32	0	0	0	0	16	25	8	93				
Gauthier	G10	Gauthier	L10745	ATR	10072	SB1	SB1_EXT	Harvest	0.5	SB 80LA 10BW 10	85	6.0	0.40	3	0	0	0	6	0	0	0	1	0	2	0	8				
Gauthier	G10	Gauthier	L10745	ATR	26671	SP1	SP1_EXT	Harvest	0.0	SB 50BW 20SW 10PO 10PJ 10	75	11.0	0.90	1	0	0	0	0	0	0	0	0	0	0	0	0				
Gauthier	G10	Gauthier	L10745	ATR	26671	SP1	SP1_EXT	Harvest	8.3	SB 50BW 20SW 10PO 10PJ 10	75	11.0	0.90	1	0	0	160	559	139	0	0	0	217	235	0	1,310				
Gauthier	G10	Gauthier	L10745	ATR	26671	SP1	SP1_EXT	Harvest	1.2	SB 50BW 20SW 10PO 10PJ 10	75	11.0	0.90	1	0	0	23	82	20	0	0	0	32	34	0	192				
Subtotal Block G10 ATR Harvest									32.0					0.0	0.0	489.6	1,717.8	169.3	0.0	0.0	17.5	727.0	934.7	202.2	4,258.1					
Gauthier	G10	Gauthier	L10743	ATR	15877	MW2		Ineligible	2.8	PO 30LA 30SB 20BW 20	37	7.0	0.60	3	0	0	0	0	0	0	0	29	11	0	41					
Gauthier	G10	Gauthier	L10743	ATR	15877	MW2		Ineligible	0.1	PO 30LA 30SB 20BW 20	37	7.0	0.60	3	0	0	0	0	0	0	0	0	1	0	0	2				
Gauthier	G10	Gauthier	L10744	ATR	15877	MW2		Ineligible	0.6	PO 30LA 30SB 20BW 20	37	7.0	0.60	3	0	0	0	0	0	0	0	0	6	2	0	8				
Gauthier	G10	Gauthier	L10744	ATR	15877	MW2		Ineligible	0.1	PO 30LA 30SB 20BW 20	37	7.0	0.60	3	0	0	0	0	0	0	0	0	1	0	0	1				
Gauthier	G10	Gauthier	L10744	ATR	15877	MW2		Ineligible	1.0	PO 30LA 30SB 20BW 20	37	7.0	0.60	3	0	0	0	0	0	0	0	0	11	4	0	15				
Gauthier	G10	Gauthier	L10744	ATR	15877	MW2		Ineligible	0.0	PO 30LA 30SB 20BW 20	37	7.0	0.60	3	0	0	0	0	0	0	0	0	0	0	0	0				
Gauthier	G10	Gauthier	L10744	ATR	13876	PO1		Ineligible	0.5	PO 70LA 20BW 10	37	8.0	0.40	3	0	0	0	0	0	0	0	0	8	1	0	9				
Gauthier	G10	Gauthier	L10745	ATR	15877	MW2		Ineligible	0.7	PO 30LA 30SB 20BW 20	37	7.0	0.60	3	0	0	0	0	0	0	0	0	8	3	0	11				
Gauthier	G10	Gauthier	L10745	ATR	15877	MW2		Ineligible	0.0	PO 30LA 30SB 20BW 20	37	7.0	0.60	3	0	0	0	0	0	0	0	0	0	0	0	1				
Gauthier	G10	Gauthier	L10745	ATR	15877	MW2		Ineligible	0.3	PO 30LA 30SB 20BW 20	37	7.0	0.60	3	0	0	0	0	0	0	0	0	3	1	0	4				
Gauthier	G10	Gauthier	L10745	ATR	13876	PO1		Ineligible	0.0	PO 70LA 20BW 10	37	8.0	0.40	3	0	0	0	0	0	0	0	0	1	0	0	1				
Gauthier	G10	Gauthier	L10745	ATR	13876	PO1		Ineligible	3.7	PO 70LA 20BW 10	37	8.0	0.40	3	0	0	0	0	0	0	0	60	5	0	65					
Subtotal Block G10 Ineligible									9.9					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127.5	29.1	0.0	156.6				
Gauthier	G10	Gauthier	L10745		19573	OMS		Non-Prod	1.9																					
Subtotal Block G10 Non-Productive									1.9																					
Total Block G10 Non-Harvest									18.1					0.0	0.0	49.2	166.0	31.2	0.0	0.0	0.3	239.1	122.0	9.0	616.9					
Total Block G10 Harvest									32.0					0.0	0.0	489.6	1,717.8	169.3	0.0	0.0	17.5	727.0	934.7	202.2	4,258.1					

Forest Management Plan - Operational Block Summary																											
Land Owner	Block Number	Township	Mining Claim	Timber Owner	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters													
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total		
Town KL	TK1	Lebel	L52929	ATR	34190	MW1	AOC	0.2	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	8	1	2	0	0	0	0	0	7	5	0	23
Town KL	TK1	Teck	L7777	ATR	21887	PO1	AOC	0.1	PO 90BW 10	85	23.0	0.80	2	0	0	0	0	0	0	0	0	0	19	1	0	20	
Town KL	TK1	Teck	LS115	ATR	21887	PO1	AOC	0.0	PO 90BW 10	85	23.0	0.80	2	0	0	0	0	0	0	0	0	4	0	0	4		
Town KL	TK1	Teck	LS115	ATR	21887	PO1	AOC	0.0	PO 90BW 10	85	23.0	0.80	2	0	0	0	0	0	0	0	0	4	0	0	4		
Subtotal Block TK1 ATR Area of Concern								0.3					0.0	0.0	7.7	1.5	1.5	0.0	0.0	0.0	33.9	6.6	0.0	51.3			
Town KL	TK1	Lebel	L52929	ATR	34190	MW1	Harvest	14.2	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	537	104	108	0	0	0	507	364	0	1,619		
Town KL	TK1	Lebel	L52929	ATR	36194	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK1	Teck	L7777	ATR	21887	PO1	Harvest	0.4	PO 90BW 10	85	23.0	0.80	2	0	0	0	0	0	0	0	0	65	3	0	68		
Town KL	TK1	Teck	L7777	ATR	21887	PO1	Harvest	0.7	PO 90BW 10	85	23.0	0.80	2	0	0	0	0	0	0	0	0	123	7	0	130		
Town KL	TK1	Teck	LS115	ATR	21887	PO1	Harvest	1.9	PO 90BW 10	85	23.0	0.80	2	0	0	0	0	0	0	0	0	349	19	0	367		
Subtotal Block TK1 ATR Harvest								17.1					0.0	0.0	536.9	103.7	108.0	0.0	0.0	0.0	1,043.8	392.3	0.0	2,184.6			
Town KL	TK1	Teck	HR1404	PR	34190	MW1	AOC	0.2	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	6	1	1	0	0	0	6	4	0	19		
Town KL	TK1	Teck	HR1407	PR	24383	MW1	AOC	0.9	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	22	6	7	0	0	0	62	15	0	112		
Town KL	TK1	Teck	HR1407	PR	24383	MW1	AOC	0.3	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	8	2	2	0	0	0	23	6	0	42		
Town KL	TK1	Teck	HR1407	PR	34190	MW1	AOC	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK1	Teck	HR1407	PR	34190	MW1	AOC	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	1		
Town KL	TK1	Teck	HR1408	PR	17591	MW1	AOC	0.4	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	9	3	0	0	0	0	18	9	0	39		
Town KL	TK1	Teck	HR1408	PR	20991	MW1	AOC	0.0	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK1	Teck	HR1408	PR	24383	MW1	AOC	0.3	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	7	2	2	0	0	0	21	5	0	38		
Town KL	TK1	Teck	HR1408	PR	24383	MW1	AOC	0.2	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	6	2	2	0	0	0	16	4	0	29		
Town KL	TK1	Teck	HR1408	PR	24383	MW1	AOC	0.0	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	0	0	0	0	0	0	1	0	0	2		
Town KL	TK1	Teck	HR1408	PR	24383	MW1	AOC	0.1	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	3	1	1	0	0	0	9	2	0	17		
Town KL	TK1	Teck	HR1408	PR	21887	PO1	AOC	0.6	PO 90BW 10	85	23.0	0.80	2	0	0	0	0	0	0	0	0	119	6	0	126		
Town KL	TK1	Teck	HR1409	PR	24383	MW1	AOC	0.0	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK1	Teck	HR1420	PR	24383	MW1	AOC	0.6	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	15	4	5	0	0	0	43	10	0	78		
Town KL	TK1	Teck	HR1420	PR	24383	MW1	AOC	0.2	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	4	1	1	0	0	0	12	3	0	21		
Town KL	TK1	Teck	HR1420	PR	34190	MW1	AOC	1.7	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	66	13	13	0	0	0	62	45	0	199		
Town KL	TK1	Teck	HR1420	PR	30781	MW1	AOC	0.0	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	1	0	0	0	0	0	1	1	0	3		
Town KL	TK1	Lebel	L1104	PR	36194	MW1	AOC	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK1	Lebel	L1104	PR	36194	MW1	AOC	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK1	Lebel	L1104	PR	37292	MW1	AOC	1.6	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	61	12	12	0	0	0	58	41	0	184		
Town KL	TK1	Lebel	L1104	PR	37292	MW1	AOC	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	1	0	0	0	0	0	1	0	0	2		
Town KL	TK1	Teck	L2135	PR	24383	MW1	AOC	2.3	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	59	17	18	0	0	0	167	40	0	300		
Town KL	TK1	Teck	L2135	PR	30781	MW1	AOC	0.1	BW 42135 10PO 10SB 10	95	16.0	0.80	3	0	0	4	1	1	0	0	0	2	4	0	11		
Town KL	TK1	Teck	L2135	PR	30781	MW1	AOC	2.9	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	99	15	15	0	0	0	43	88	0	260		
Town KL	TK1	Lebel	L2405	PR	34190	MW1	AOC	0.3	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	11	2	2	0	0	0	11	8	0	35		
Town KL	TK1	Lebel	L2405	PR	36885	MW1	AOC	0.1	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.90	2	0	0	3	1	1	0	0	0	4	4	0	12		
Town KL	TK1	Lebel	L2406	PR	34190	MW1	AOC	0.9	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	33	6	7	0	0	0	31	22	0	99		
Town KL	TK1	Lebel	L2462	PR	34190	MW1	AOC	1.4	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	51	10	10	0	0	0	48	35	0	155		
Town KL	TK1	Lebel	L2462	PR	30781	MW1	AOC	0.6	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	21	3	3	0	0	0	9	19	0	55		
Town KL	TK1	Lebel	L2462	PR	35561	MW1	AOC	0.3	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	9	1	1	0	0	0	4	8	0	24		
Town KL	TK1	Lebel	L2462	PR	35561	MW1	AOC	0.3	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	9	1	1	0	0	0	4	8	0	24		
Subtotal Block TK1 PR Area of Concern								16.4					0.0	0.0	510.9	105.4	106.7	0.0	0.0	0.0	776.0	387.8	0.0	1,886.7			
Town KL	TK1	Teck	HR1404	PR	24383	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	0	0	0	0	0	0	1	0	0	1		
Town KL	TK1	Teck	HR1404	PR	24383	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	0	0	0	0	0	0	1	0	0	2		
Town KL	TK1	Teck	HR1404	PR	26991	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK1	Teck	HR1404	PR	28691	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK1	Teck	HR1404	PR	30394	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK1	Teck	HR1404	PR	34190	MW1	Harvest	13.6	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	513	99	103	0	0	0	484	347	0	1,546		
Town KL	TK1	Teck	HR1404	PR	34190	MW1	Harvest	0.7	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	28	5	6	0	0	0	27	19	0	85		
Town KL	TK1	Teck	HR1407	PR	24383	MW1	Harvest	0.1	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	1	0	0	0	0	0	4	1	0	7		
Town KL	TK1	Teck	HR1407	PR	24383	MW1	Harvest	8.2	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	205	60	62	0	0	0	582	139	0	1,048		
Town KL	TK1	Teck	HR1407	PR	26991	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	85	22.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK1	Teck	HR1407	PR	34190	MW1	Harvest	0.7	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	26	5	5	0	0	0	25	18	0	79		
Town KL	TK1	Teck	HR1407	PR	34190	MW1	Harvest	1.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	38	7	8	0	0	0	36	26	0	116		
Town KL	TK1	Teck	HR1408	PR	17591	MW1	Harvest	0.9	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	21	6	0	0	0	0	43	22	0	92		
Town KL	TK1	Teck	HR1408	PR	17591	MW1	Harvest	0.0	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK1	Teck	HR1408	PR	20991	MW1	Harvest	0.0	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK1	Teck	HR1408	PR	20991	MW1	Harvest	0.0	BW 30PO 30SB 20PJ 20																		

Harvest Block TK1

Town KL	TK1	Lebel	L2405	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0						
Town KL	TK1	Lebel	L2405	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2405	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2405	PR	36885	MW1	Harvest	1.6	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.90	2	0	0	51	15	15	0	0	0	72	69	0	0	223	0					
Town KL	TK1	Lebel	L2406	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2406	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2406	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2406	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2406	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2406	PR	34190	MW1	Harvest	8.4	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	319	62	64	0	0	0	301	216	0	0	963	0					
Town KL	TK1	Lebel	L2462	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2462	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2462	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2462	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2462	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2462	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2462	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2462	PR	34190	MW1	Harvest	0.0	PJ 30BW 30PO 20SW 10SB 10	85	18.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Town KL	TK1	Lebel	L2462	PR	30781	MW1	Harvest	0.0	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK1	Lebel	L2462	PR	30781	MW1	Harvest	0.0	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK1	Lebel	L2462	PR	30781	MW1	Harvest	0.0	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK1	Lebel	L2462	PR	30781	MW1	Harvest	0.4	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	13	2	2	0	0	0	5	11	0	0	33	0					
Town KL	TK1	Lebel	L2462	PR	35561	MW1	Harvest	0.0	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK1	Lebel	L2462	PR	35561	MW1	Harvest	0.0	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK1	Lebel	L2462	PR	35561	MW1	Harvest	0.0	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK1	Lebel	L2462	PR	35561	MW1	Harvest	0.0	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK1	Lebel	L2462	PR	35561	MW1	Harvest	0.0	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK1	Lebel	L2462	PR	35561	MW1	Harvest	0.0	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK1	Lebel	L2462	PR	35561	MW1	Harvest	0.0	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK1	Lebel	L2462	PR	35561	MW1	Harvest	0.0	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK1	Lebel	L2462	PR	35561	MW1	Harvest	0.0	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK1	Lebel	L2462	PR	35561	MW1	Harvest	0.1	BW 40PJ 30SW 10PO 10SB 10	95	16.0	0.80	3	0	0	4	1	1	0	0	0	2	4	0	0	12	0	0				
Subtotal Block TK1 PR Harvest								99.7						0.0	0.0	3,212.3	695.7	717.7	0.0	0.0	0.0	5,110.8	2,282.7	0.0	12,019.2							
Town KL	TK1	Teck	HR1404		30091	BSH	Non-Prod	0.0																								
Town KL	TK1	Teck	HR1404		30990	BSH	Non-Prod	1.3																								
Town KL	TK1	Teck	HR1407		19587	BSH	Non-Prod	0.8																								
Town KL	TK1	Teck	HR1408		19587	BSH	Non-Prod	8.1																								
Town KL	TK1	Teck	HR1409		19587	BSH	Non-Prod	2.1																								
Town KL	TK1	Teck	HR1420		32583	OMS	Non-Prod	3.6																								
Town KL	TK1	Teck	HR1420		26585	WAT	Non-Prod	0.3																								
Town KL	TK1	Teck	HR1420		30684	WAT	Non-Prod	2.3																								
Town KL	TK1	Lebel	L1101		30990	BSH	Non-Prod	0.6																								
Town KL	TK1	Lebel	L1104		39692	WAT	Non-Prod	0.8																								
Town KL	TK1	Lebel	L1104		36188	OMS	Non-Prod	5.0																								
Town KL	TK1	Teck	L2135		32583	OMS	Non-Prod	4.0																								
Town KL	TK1	Teck	L2135		26585	WAT	Non-Prod	0.2																								
Town KL	TK1	Teck	L2135		32181	OMS	Non-Prod	0.2																								
Town KL	TK1	Teck	L2135		26883	BSH	Non-Prod	0.0																								
Town KL	TK1	Teck	L2135		27781	WAT	Non-Prod	6.7																								
Town KL	TK1	Teck	L2135		30684	WAT	Non-Prod	4.2																								
Town KL	TK1	Lebel	L2405		36984	TMS	Non-Prod	0.8																								
Town KL	TK1	Lebel	L2405		36483	OMS	Non-Prod	0.0																								
Town KL	TK1	Lebel	L2405		38085	TMS	Non-Prod	0.0																								
Town KL	TK1	Lebel	L2405		36188	OMS	Non-Prod	3.7																								
Town KL	TK1	Lebel	L2406		32583	OMS	Non-Prod	0.9																								
Town KL	TK1	Lebel	L2406		30684	WAT	Non-Prod	0.3																								
Town KL	TK1	Lebel	L2462		32583	OMS	Non-Prod	3.1																								
Town KL	TK1	Lebel	L2462		32181	OMS	Non-Prod	0.7																								
Town KL	TK1	Lebel	L2462		34979	OMS	Non-Prod	0.2																								
Town KL	TK1	Lebel	L2462		30684	WAT	Non-Prod	5.9																								
Town KL	TK1	Lebel	L52929		35295	WAT	Non-Prod	0.0																								
Town KL	TK1	Lebel	L52929		34895	BSH	Non-Prod	0.3																								
Subtotal Block TK1 Non-Productive								56.1																								
Total Block TK1 Non-Harvest								72.9							0.0	0.0	518.6	106.9	108.2	0.0	0.0	0.0	809.9	394.4	0.0	1,938.0						
Total Block TK1 Harvest								116.8							0.0	0.0	3,749.2	799.4	825.7	0.0	0.0	0.0	6,154.6	2,674.9	0.0	14,203.8						

Forest Management Plan - Operational Block Summary																										
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK2	Teck	LS115	ATR	17591	MW1	AOC	0.1	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	2	1	0	0	0	0	0	4	2	0	8
Town KL	TK2	Teck	LS117	ATR	11890	BW1	AOC	1.2	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	18	4	4	0	0	0	0	50	60	0	136
Town KL	TK2	Teck	LS117	ATR	8995	SF1	AOC	0.3	SB 40LA 30PJ 20PB 10	77	17.0	0.50	0	0	0	7	15	0	0	0	7	5	0	0	35	
Town KL	TK2	Teck	LS118	ATR	11890	BW1	AOC	1.1	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	16	4	4	0	0	0	0	44	53	0	120
Town KL	TK2	Teck	LS118	ATR	6287	MW1	AOC	0.3	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	5	0	0	0	0	0	0	11	5	0	21
Town KL	TK2	Teck	RSC272	ATR	11890	BW1	AOC	0.5	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	7	2	2	0	0	0	0	20	25	0	56
Town KL	TK2	Teck	RSC273	ATR	11890	BW1	AOC	0.4	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	6	1	1	0	0	0	0	17	21	0	47
Town KL	TK2	Teck	RSC274	ATR	18096	BW1	AOC	0.9	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	13	3	3	0	0	0	0	37	44	0	101
Town KL	TK2	Teck	RSC274	ATR	17591	MW1	AOC	0.0	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	0	0	0	0	0	0	0	1	0	0	1
Subtotal Block TK2 ATR Area of Conern								4.9							0.0	0.0	75.5	29.3	14.0	0.0	0.0	7.5	187.8	210.7	0.0	524.8
Town KL	TK2	Teck	L7777	ATR	17591	MW1	Harvest	6.2	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	153	42	0	0	0	0	306	159	0	660	
Town KL	TK2	Teck	LS115	ATR	17591	MW1	Harvest	6.7	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	165	46	0	0	0	0	330	171	0	711	
Town KL	TK2	Teck	LS115	ATR	11683	SF1	Harvest	0.2	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	2	9	0	0	0	5	6	0	0	22	
Town KL	TK2	Teck	LS115	ATR	11683	SF1	Harvest	0.1	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	1	6	0	0	0	3	4	0	0	13	
Town KL	TK2	Teck	LS116	ATR	11890	BW1	Harvest	5.7	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	82	18	19	0	0	0	226	273	0	618	
Town KL	TK2	Teck	LS116	ATR	17591	MW1	Harvest	6.6	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	161	45	0	0	0	0	322	167	0	695	
Town KL	TK2	Teck	LS116	ATR	11683	SF1	Harvest	0.0	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	0	1	0	0	0	1	1	0	0	3	
Town KL	TK2	Teck	LS116	ATR	11683	SF1	Harvest	0.7	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	8	36	0	0	0	18	23	0	0	85	
Town KL	TK2	Teck	LS117	ATR	11890	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	LS117	ATR	11890	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	LS117	ATR	11890	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	LS117	ATR	11890	BW1	Harvest	7.7	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	111	25	25	0	0	0	306	369	0	836	
Town KL	TK2	Teck	LS117	ATR	8995	SF1	Harvest	0.0	SB 40LA 30PJ 20PB 10	77	17.0	0.50	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	LS117	ATR	8995	SF1	Harvest	0.0	SB 40LA 30PJ 20PB 10	77	17.0	0.50	0	0	0	1	2	0	0	0	1	1	0	0	4	
Town KL	TK2	Teck	LS118	ATR	11890	BW1	Harvest	0.5	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	7	2	2	0	0	0	19	23	0	53	
Town KL	TK2	Teck	LS118	ATR	11890	BW1	Harvest	5.5	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	79	18	18	0	0	0	218	263	0	596	
Town KL	TK2	Teck	LS118	ATR	11890	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	LS118	ATR	11890	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	LS118	ATR	17591	MW1	Harvest	0.3	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	8	2	0	0	0	0	16	9	0	35	
Town KL	TK2	Teck	LS118	ATR	11683	SF1	Harvest	2.9	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	33	141	0	0	0	70	92	0	336		
Town KL	TK2	Teck	LS119	ATR	17591	MW1	Harvest	4.2	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	103	29	0	0	0	0	206	107	0	445	
Town KL	TK2	Teck	LS119	ATR	17591	MW1	Harvest	2.4	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	58	16	0	0	0	0	115	60	0	249	
Town KL	TK2	Teck	LS119	ATR	17591	MW1	Harvest	0.1	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	3	1	0	0	0	0	5	3	0	11	
Town KL	TK2	Teck	LS119	ATR	11683	SF1	Harvest	4.3	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	50	211	0	0	0	104	137	0	502		
Town KL	TK2	Teck	LS130	ATR	11890	BW1	Harvest	6.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	86	19	20	0	0	0	237	287	0	649	
Town KL	TK2	Teck	LS130	ATR	13893	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	LS130	ATR	15193	MW1	Harvest	0.0	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	LS130	ATR	17591	MW1	Harvest	0.0	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	LS130	ATR	17591	MW1	Harvest	2.8	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	68	19	0	0	0	0	136	71	0	294	
Town KL	TK2	Teck	LS130	ATR	11683	SF1	Harvest	0.6	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	7	31	0	0	0	15	20	0	0	74	
Town KL	TK2	Teck	RSC272	ATR	11890	BW1	Harvest	1.6	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	23	5	5	0	0	0	62	75	0	170	
Town KL	TK2	Teck	RSC273	ATR	11890	BW1	Harvest	0.9	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	13	3	3	0	0	0	35	42	0	95	
Town KL	TK2	Teck	RSC273	ATR	23203	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	RSC274	ATR	18096	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	RSC274	ATR	18096	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	RSC274	ATR	18096	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	RSC274	ATR	18096	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	RSC274	ATR	18096	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	RSC274	ATR	18096	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	RSC274	ATR	18096	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	RSC274	ATR	18096	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	RSC274	ATR	18096	BW1	Harvest	1.6	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	23	5	5	0	0	0	64	77	0	174	
Town KL	TK2	Teck	RSC274	ATR	17591	MW1	Harvest	0.1	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	2	1	0	0	0	0	4	2	0	9	
Town KL	TK2	Teck	RSC274	ATR	17591	MW1	Harvest	0.0	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal Block TK2 ATR Harvest								67.5							0.0	0.0	1,248.1	730.1	96.7	0.0	0.0	215.6	2,893.9	2,156.6	0.0	7,341.1
Town KL	TK2	Teck	HR1412	PR	18096	BW1	AOC	1.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	15	3	3	0	0	0	40	48	0	109	

Harvest Block TK2

				Subtotal Block TK2 PR Area of Concern			1.0							0.0	0.0	14.6	3.2	3.3	0.0	0.0	0.0	40.0	48.4	0.0	109.5	
Town KL	TK2	Teck	HR1411	PR	11890	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	HR1411	PR	17591	MW1	Harvest	13.8	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	338	94	0	0	0	0	676	350	0	1,458	
Town KL	TK2	Teck	HR1412	PR	18096	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	HR1412	PR	18096	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	HR1412	PR	18096	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	HR1412	PR	18096	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	HR1412	PR	18096	BW1	Harvest	0.0	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK2	Teck	HR1412	PR	18096	BW1	Harvest	1.9	BW 50PO 20SW 10SB 10PJ 10	65	14.0	0.90	2	0	0	28	6	6	0	0	0	77	93	0	211	
Town KL	TK2	Teck	HR1412	PR	17591	MW1	Harvest	9.6	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	236	66	0	0	0	0	473	245	0	1,020	
Town KL	TK2	Teck	HR1413	PR	17591	MW1	Harvest	10.4	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	256	71	0	0	0	0	513	265	0	1,105	
Town KL	TK2	Teck	HR1413	PR	20991	MW1	Harvest	0.0	BW 30PO 30SB 20PJ 20	85	18.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	
				Subtotal Block TK2 PR Harvest			35.8							0.0	0.0	857.9	236.5	6.4	0.0	0.0	0.0	1,740.1	953.6	0.0	3,794.4	
Town KL	TK2	Teck	HR1412		13695	OMS	Non-Prod	0.0																		
Town KL	TK2	Teck	HR1412		9993	OMS	Non-Prod	0.6																		
Town KL	TK2	Teck	L7777		19587	BSH	Non-Prod	6.0																		
Town KL	TK2	Teck	LS115		19587	BSH	Non-Prod	5.8																		
Town KL	TK2	Teck	LS115		16482	OMS	Non-Prod	1.8																		
Town KL	TK2	Teck	LS115		15682	WAT	Non-Prod	1.3																		
Town KL	TK2	Teck	LS117		9993	OMS	Non-Prod	3.7																		
Town KL	TK2	Teck	LS118		9993	OMS	Non-Prod	3.3																		
Town KL	TK2	Teck	LS118		2989	BSH	Non-Prod	0.7																		
Town KL	TK2	Teck	LS119		2989	BSH	Non-Prod	4.5																		
Town KL	TK2	Teck	RSC272		9897	BSH	Non-Prod	0.5																		
Town KL	TK2	Teck	RSC274		9993	OMS	Non-Prod	5.7																		
				Subtotal Block TK2 Non-Productive			33.6																			
				Total Block TK2 Non-Harvest			39.5								0.0	0.0	90.1	32.5	17.3	0.0	0.0	7.5	227.8	259.0	0.0	634.2
				Total Block TK2 Harvest			103.4								0.0	0.0	2,106.0	966.6	103.1	0.0	0.0	215.6	4,634.0	3,110.2	0.0	11,135.5

Harvest Block TK3

Town KL	TK3	Teck	HR776	97884	RCK	Non-Prod	1.3																
Town KL	TK3	Teck	HR777	6079	OMS	Non-Prod	2.1																
Town KL	TK3	Teck	HR777	2989	BSH	Non-Prod	7.4																
Town KL	TK3	Teck	L37795	2989	BSH	Non-Prod	2.8																
Town KL	TK3	Teck	L37796	9993	OMS	Non-Prod	0.4																
Town KL	TK3	Teck	L37796	2989	BSH	Non-Prod	0.2																
Town KL	TK3	Teck	L8197	2989	BSH	Non-Prod	3.9																
Town KL	TK3	Teck	RSC272	9993	OMS	Non-Prod	2.5																
Town KL	TK3	Teck	RSC273	9897	BSH	Non-Prod	0.8																
Town KL	TK3	Teck	RSC273	13695	OMS	Non-Prod	0.0																
Town KL	TK3	Teck	RSC273	9993	OMS	Non-Prod	3.3																
Town KL	TK3	Teck	RSC273	13395	WAT	Non-Prod	0.5																
Town KL	TK3	Teck	RSC274	17899	OMS	Non-Prod	0.0																
Subtotal Block TK3 Non-Productive							34.0																
Total Block TK3 Non-Harvest							39.2					0.0	0.0	84.8	116.1	2.2	0.0	1.8	52.8	165.3	43.8	0.0	466.8
Total Block TK3 Harvest							76.3					0.0	0.0	1,536.3	375.0	135.8	0.0	0.0	129.4	2,901.0	1,639.6	0.0	6,717.1

Harvest Block TK4

Town KL	TK4	Teck	L14192	66589	WAT	Non-Prod	0.0																	
Town KL	TK4	Teck	L16614	32684	TMS	Non-Prod	2.6																	
Town KL	TK4	Teck	L16614	36790	WAT	Non-Prod	2.9																	
Town KL	TK4	Teck	L16680	32684	TMS	Non-Prod	1.4																	
Town KL	TK4	Teck	L16680	37593	TMS	Non-Prod	1.7																	
Town KL	TK4	Teck	L16680	36790	WAT	Non-Prod	0.0																	
Town KL	TK4	Teck	L40218	47085	BSH	Non-Prod	1.3																	
Town KL	TK4	Teck	L40218	66589	WAT	Non-Prod	0.0																	
Town KL	TK4	Teck	L4230	32684	TMS	Non-Prod	0.8																	
Town KL	TK4	Teck	L4869	37593	TMS	Non-Prod	0.2																	
Town KL	TK4	Teck	L4869	41392	BSH	Non-Prod	1.7																	
Subtotal Block TK4 Non-Productive							15.2																	
Total Block TK4 Non-Harvest							19.5						0.0	0.0	151.8	53.0	32.7	0.0	0.0	0.0	51.4	55.7	0.0	344.6
Total Block TK4 Harvest							88.6						0.0	0.0	5,762.1	2,009.6	1,223.9	0.0	0.0	0.0	1,923.5	2,081.3	0.0	13,000.5

Harvest Block TK5

Town KL	TK5	Teck	L6863	45900	WAT	Non-Prod	1.5																
Town KL	TK5	Teck	L6863	43399	TMS	Non-Prod	0.0																
Town KL	TK5	Teck	L6863	50399	OMS	Non-Prod	4.4																
Town KL	TK5	Teck	L6863	49699	WAT	Non-Prod	0.2																
Town KL	TK5	Teck	L6863	49401	BSH	Non-Prod	0.1																
Town KL	TK5	Teck	L9809	45792	TMS	Non-Prod	0.0																
Town KL	TK5	Teck	L9809	49587	OMS	Non-Prod	2.7																
Town KL	TK5	Teck	L9811	49587	OMS	Non-Prod	2.2																
Town KL	TK5	Teck	L9811	50288	WAT	Non-Prod	0.2																
				Subtotal Block TK5 Non-Productive			24.4																
				Total Block TK5 Non-Harvest			30.7					0.0	0.0	420.2	173.7	88.2	0.0	0.0	3.5	138.5	153.7	0.0	977.7
				Total Block TK5 Harvest			75.5					0.0	0.0	5,026.6	2,178.4	1,051.2	0.0	0.0	52.2	1,652.0	1,843.7	0.0	11,804.1

Harvest Block TK6

				Subtotal Block TK6 Non-Productive	24.2																	
				Total Block TK6 Non-Harvest	3.6					0.0	0.0	223.1	80.1	41.1	0.0	0.0	0.0	74.0	78.4	0.0	496.6	
				Total Block TK6 Harvest	90.9					0.0	0.0	5,169.9	2,023.9	902.2	2.6	1.0	1.1	1,693.0	1,812.0	0.0	11,605.7	

Forest Management Plan - Operational Block Summary

Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK7	Teck	L19858	ATR	56834	BW1	AOC	0.3	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	6	0	0	0	0	0	0	16	4	2	27
Town KL	TK7	Teck	L19858	ATR	56834	BW1	AOC	0.8	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	16	0	0	0	0	0	0	45	12	5	79
Town KL	TK7	Teck	L19858	ATR	56834	BW1	AOC	0.5	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	10	0	0	0	0	0	0	28	7	3	49
Town KL	TK7	Teck	L19859	ATR	56834	BW1	AOC	0.6	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	11	0	0	0	0	0	0	32	8	4	55
Town KL	TK7	Teck	L19862	ATR	51830	MW2	AOC	0.1	PO 30SB 30LA 20PJ 10BW 10	57	8.0	0.70	1	0	0	1	2	0	0	0	0	1	4	1	0	7
Town KL	TK7	Teck	L19862	ATR	51830	MW2	AOC	0.3	PO 30SB 30LA 20PJ 10BW 10	57	8.0	0.70	1	0	0	3	6	0	0	0	0	3	13	2	0	28
Town KL	TK7	Teck	L19863	ATR	56834	BW1	AOC	0.6	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	12	0	0	0	0	0	0	34	9	4	59
Town KL	TK7	Teck	L25993	ATR	56834	BW1	AOC	0.1	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	2	0	0	0	0	0	0	4	1	1	8
Town KL	TK7	Teck	L25993	ATR	47231	MW1	AOC	0.2	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	3	0	0	0	0	0	0	9	2	0	15
Town KL	TK7	Teck	L25994	ATR	56834	BW1	AOC	0.8	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	17	0	0	0	0	0	0	47	12	5	82
Town KL	TK7	Teck	L25994	ATR	56834	BW1	AOC	0.1	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	3	0	0	0	0	0	0	8	2	1	13
Town KL	TK7	Teck	L25994	ATR	47235	MW1	AOC	0.1	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	3	0	0	0	0	0	0	8	2	0	13
Town KL	TK7	Teck	L25994	ATR	47235	MW1	AOC	0.2	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	5	0	0	0	0	0	0	14	4	0	22
Town KL	TK7	Teck	L28036	ATR	51830	MW2	AOC	0.1	PO 30SB 30LA 20PJ 10BW 10	57	8.0	0.70	1	0	0	1	1	0	0	0	0	1	3	0	0	6
Town KL	TK7	Teck	L28036	ATR	50226	SB1	AOC	0.3	SB 100	41	0.0	0.00	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Block TK7 ATR Area of Concern								5.0						0.0	0.0	92.9	8.3	0.9	0.0	0.0	4.3	264.4	67.3	24.4	462.4	
Town KL	TK7	Teck	L19858	ATR	56834	BW1	Harvest	2.1	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	43	0	0	0	0	0	0	119	31	14	207
Town KL	TK7	Teck	L19858	ATR	56834	BW1	Harvest	1.6	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	32	0	0	0	0	0	0	89	23	10	154
Town KL	TK7	Teck	L19858	ATR	56834	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK7	Teck	L19858	ATR	56834	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK7	Teck	L19859	ATR	54328	BW1	Harvest	0.2	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	3	0	0	0	0	0	0	9	2	1	15
Town KL	TK7	Teck	L19859	ATR	56834	BW1	Harvest	8.9	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	183	0	2	0	0	0	0	511	133	58	887
Town KL	TK7	Teck	L19859	ATR	56834	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK7	Teck	L19861	ATR	54328	BW1	Harvest	3.2	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	65	0	1	0	0	0	0	182	47	21	315
Town KL	TK7	Teck	L19861	ATR	54328	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	1	0	0	2
Town KL	TK7	Teck	L19861	ATR	56834	BW1	Harvest	3.2	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	65	0	1	0	0	0	0	182	47	21	316
Town KL	TK7	Teck	L19861	ATR	64121	BW1	Harvest	0.1	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	1	0	0	0	0	0	0	3	1	0	5
Town KL	TK7	Teck	L19861	ATR	68430	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK7	Teck	L19861	ATR	68430	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK7	Teck	L19862	ATR	54328	BW1	Harvest	4.7	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	97	0	1	0	0	0	0	270	70	31	469
Town KL	TK7	Teck	L19863	ATR	54328	BW1	Harvest	0.9	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	19	0	0	0	0	0	0	53	14	6	92
Town KL	TK7	Teck	L19863	ATR	56834	BW1	Harvest	5.8	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	120	0	1	0	0	0	0	334	87	38	579
Town KL	TK7	Teck	L19863	ATR	56834	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK7	Teck	L25993	ATR	56834	BW1	Harvest	1.2	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	25	0	0	0	0	0	0	68	18	8	119
Town KL	TK7	Teck	L25993	ATR	56834	BW1	Harvest	0.3	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	5	0	0	0	0	0	0	15	4	2	25
Town KL	TK7	Teck	L25993	ATR	47231	MW1	Harvest	2.9	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	58	1	1	0	0	0	0	163	42	0	265
Town KL	TK7	Teck	L25994	ATR	56834	BW1	Harvest	2.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	41	0	0	0	0	0	0	113	30	13	197
Town KL	TK7	Teck	L25994	ATR	56834	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK7	Teck	L25994	ATR	43737	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK7	Teck	L25994	ATR	47235	MW1	Harvest	2.2	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	46	0	0	0	0	0	0	129	33	0	209
Town KL	TK7	Teck	L28036	ATR	48224	PO1	Harvest	0.0	PO 50BW 20PJ 20SB 10	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK7	Teck	L28036	ATR	48727	PO1	Harvest	5.2	PO 50BW 20PJ 20SB 10	85	17.0	0.70	3	0	0	98	14	0	0	0	0	0	330	68	0	510
Subtotal Block TK7 ATR Harvest								44.4						0.0	0.0	901.5	15.0	7.8	0.0	0.0	0.0	2,570.8	652.1	221.5	4,368.8	
Town KL	TK7	Teck	L19859	ATR	51830	MW2	Ineligible	3.2	PO 30SB 30LA 20PJ 10BW 10	57	8.0	0.70	1	0	0	43	69	0	0	0	0	36	164	29	0	341
Town KL	TK7	Teck	L19861	ATR	51830	MW2	Ineligible	4.3	PO 30SB 30LA 20PJ 10BW 10	57	8.0	0.70	1	0	0	57	92	0	0	0	0	48	220	39	0	457
Town KL	TK7	Teck	L19861	ATR	59926	MW2	Ineligible	0.0	SB 40PO 30LA 20BW 10	57	8.0	0.70	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK7	Teck	L19862	ATR	51830	MW2	Ineligible	4.3	PO 30SB 30LA 20PJ 10BW 10	57	8.0	0.70	1	0	0	57	92	0	0	0	0	48	220	39	0	457
Town KL	TK7	Teck	L19863	ATR	51830	MW2	Ineligible	7.9	PO 30SB 30LA 20PJ 10BW 10	57	8.0	0.70	1	0	0	106	170	0	0	0	0	89	405	72	0	841
Town KL	TK7	Teck	L25993	ATR	46823	MW2	Ineligible	0.0	PO 50SB 20BF 10SW 10BW 10	57	12.0	0.50	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK7	Teck	L25993	ATR	51830	MW2	Ineligible	0.4	PO 30SB 30LA 20PJ 10BW 10	57	8.0	0.70	1	0	0	6	9	0	0	0	0	5	21	4	0	45
Town KL	TK7	Teck	L25993																							

Harvest Block TK7

				Subtotal Block TK7 ATR Ineligible				25.6							0.0	0.0	274.3	548.1	0.0	0.0	15.6	247.8	1,102.4	239.7	0.0	2,428.0
Town KL	TK7	Teck	L6014	PR	64121	BW1	AOC	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	1	
Town KL	TK7	Teck	L6014	PR	68430	BW1	AOC	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK7	Teck	L6014	PR	78025	MW1	AOC	0.1	PJ 50PO 40BW 10	67	16.0	1.10	1	0	0	12	0	0	0	0	0	0	11	2	0	25
				Subtotal Block TK7 PR Area of Concern				0.1							0.0	0.0	12.1	0.0	0.0	0.0	0.0	0.0	11.4	1.9	0.0	25.7
Town KL	TK7	Teck	HR549	PR	56314	MW1	Harvest	0.0	PJ 50BW 20PO 20SB 10	75	16.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK7	Teck	HR549	PR	56314	MW1	Harvest	0.0	PJ 50BW 20PO 20SB 10	75	16.0	0.90	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK7	Teck	HR549	PR	56420	MW1	Harvest	5.4	PJ 50BW 20PO 20SB 10	75	16.0	0.90	2	0	0	422	34	0	0	0	0	235	113	0	804	
Town KL	TK7	Teck	HR549	PR	68814	SP1	Harvest	1.0	SB 40PJ 20BW 20PO 10SW 10	80	11.0	0.60	1	0	0	27	40	12	0	0	0	18	20	0	117	
Town KL	TK7	Teck	HR549	PR	68814	SP1	Harvest	3.9	SB 40PJ 20BW 20PO 10SW 10	80	11.0	0.60	1	0	0	102	152	47	0	0	0	70	75	0	446	
Town KL	TK7	Teck	HR549	PR	68814	SP1	Harvest	0.8	SB 40PJ 20BW 20PO 10SW 10	80	11.0	0.60	1	0	0	20	30	9	0	0	0	14	15	0	88	
Town KL	TK7	Teck	L3021	PR	64121	BW1	Harvest	13.8	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	283	0	3	0	0	0	790	206	90	1,372	
Town KL	TK7	Teck	L6014	PR	64121	BW1	Harvest	11.8	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	242	0	2	0	0	0	675	176	77	1,172	
Town KL	TK7	Teck	L6014	PR	68430	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK7	Teck	L6014	PR	68430	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK7	Teck	L6014	PR	78025	MW1	Harvest	1.3	PJ 50PO 40BW 10	67	16.0	1.10	1	0	0	131	0	0	0	0	0	140	19	0	289	
				Subtotal Block TK7 PR Harvest				38.0							0.0	0.0	1,226.4	256.6	74.2	0.0	0.0	0.0	1,943.3	623.6	166.6	4,289.6
Town KL	TK7	Teck	HR549	PR	57912	MW2	Ineligible	1.5	BW 40SW 30BF 10PO 10SB 10	57	11.0	0.60	3	0	0	0	0	0	0	0	0	13	28	0	41	
				Subtotal Block TK7 PR Ineligible				1.5							0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	28.0	0.0	41.3
Town KL	TK7	Teck	HR549		63710	BSH	Non-Prod	0.0																		
Town KL	TK7	Teck	L19858		51934	OMS	Non-Prod	3.5																		
Town KL	TK7	Teck	L19858		52833	BSH	Non-Prod	3.9																		
Town KL	TK7	Teck	L19858		54632	OMS	Non-Prod	1.1																		
Town KL	TK7	Teck	L19858		54833	WAT	Non-Prod	0.8																		
Town KL	TK7	Teck	L19858		50937	WAT	Non-Prod	5.6																		
Town KL	TK7	Teck	L19859		54632	OMS	Non-Prod	0.5																		
Town KL	TK7	Teck	L19859		58032	RCK	Non-Prod	0.0																		
Town KL	TK7	Teck	L19861		56823	BSH	Non-Prod	1.6																		
Town KL	TK7	Teck	L19862		49428	BSH	Non-Prod	1.8																		
Town KL	TK7	Teck	L19862		56823	BSH	Non-Prod	0.0																		
Town KL	TK7	Teck	L19862		51422	BSH	Non-Prod	0.0																		
Town KL	TK7	Teck	L19863		54632	OMS	Non-Prod	0.4																		
Town KL	TK7	Teck	L25993		49428	BSH	Non-Prod	5.0																		
Town KL	TK7	Teck	L25993		47532	WAT	Non-Prod	0.6																		
Town KL	TK7	Teck	L25993		49731	RCK	Non-Prod	3.0																		
Town KL	TK7	Teck	L25993		49330	WAT	Non-Prod	0.5																		
Town KL	TK7	Teck	L25994		51934	OMS	Non-Prod	0.0																		
Town KL	TK7	Teck	L25994		47037	BSH	Non-Prod	0.0																		
Town KL	TK7	Teck	L25994		52833	BSH	Non-Prod	0.4																		
Town KL	TK7	Teck	L25994		49428	BSH	Non-Prod	2.8																		
Town KL	TK7	Teck	L25994		47532	WAT	Non-Prod	0.7																		
Town KL	TK7	Teck	L25994		49731	RCK	Non-Prod	0.1																		
Town KL	TK7	Teck	L25994		50937	WAT	Non-Prod	1.9																		
Town KL	TK7	Teck	L28036		49428	BSH	Non-Prod	3.6																		
Town KL	TK7	Teck	L28036		51422	BSH	Non-Prod	0.0																		
Town KL	TK7	Teck	L3021		68820	BSH	Non-Prod	0.1																		
Town KL	TK7	Teck	L6014		70133	BSH	Non-Prod	0.0																		
Town KL	TK7	Teck	L6014		76410	BSH	Non-Prod	4.2																		
				Subtotal Block TK7 Non-Productive				42.2																		
				Total Block TK7 Non-Harvest				74.4							0.0	0.0	379.3	556.5	0.9	0.0	15.6	252.1	1,391.6	336.9	24.4	2,957.3
				Total Block TK7 Harvest				82.3							0.0	0.0	2,127.9	271.6	82.0	0.0	0.0	0.0	4,514.1	1,275.7	388.1	8,658.4

Forest Management Plan - Operational Block Summary

Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK8	Teck	L15396	ATR	87903	MW1	AOC	0.4	PO 40BW 20PJ 20SW 10SB 10	75	16.0	0.80	3	0	0	7	0	0	0	0	0	0	20	5	0	34
Town KL	TK8	Teck	L15396	ATR	86702	SB1	AOC	0.1	SB 90LA 10	105	13.0	0.70	2	0	0	0	13	0	0	0	0	1	0	0	0	14
Town KL	TK8	Teck	L15396	ATR	91609	SP1	AOC	0.0	SB 60PO 20PJ 10BW 10	75	11.0	0.80	1	0	0	0	2	0	0	0	0	0	1	0	0	3
Town KL	TK8	Teck	L7583	ATR	97791	BW1	AOC	0.3	BW 50PJ 20PO 20SB 10	65	14.0	1.00	2	0	0	10	1	0	0	0	0	0	13	16	0	39
Town KL	TK8	Teck	L7583	ATR	98182	MW1	AOC	0.4	BW 40PJ 20PO 20SW 10SB 10	70	16.0	0.80	1	0	0	13	4	5	0	0	0	0	17	18	0	56
Town KL	TK8	Teck	L7583	ATR	98182	MW1	AOC	0.1	BW 40PJ 20PO 20SW 10SB 10	70	16.0	0.80	1	0	0	3	1	1	0	0	0	0	5	5	0	16
Town KL	TK8	Teck	L7583	ATR	98182	MW1	AOC	0.2	BW 40PJ 20PO 20SW 10SB 10	70	16.0	0.80	1	0	0	5	2	2	0	0	0	0	7	7	0	23
Town KL	TK8	Teck	L7583	ATR	91289	MW2	AOC	0.2	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	2	1	1	0	0	0	0	3	6	0	14
Town KL	TK8	Teck	L7933	ATR	98896	MW1	AOC	0.6	PO 30SB 20BW 20PJ 20SW 10	75	16.0	0.60	3	0	0	10	1	0	0	0	0	0	20	7	0	37
Town KL	TK8	Teck	L8197	ATR	98896	MW1	AOC	0.0	PO 30SB 20BW 20PJ 20SW 10	75	16.0	0.60	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Block TK8 ATR Area of Concern								2.3						0.0	0.0	50.6	25.2	9.5	0.5	0.0	0.9	85.7	65.0	0.0	237.3	
Town KL	TK8	Teck	L15396	ATR	87903	MW1	Harvest	1.1	PO 40BW 20PJ 20SW 10SB 10	75	16.0	0.80	3	0	0	22	1	0	0	0	0	0	61	16	0	101
Town KL	TK8	Teck	L15396	ATR	87903	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	75	16.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK8	Teck	L15396	ATR	86702	SB1	Harvest	0.6	SB 90LA 10	105	13.0	0.70	2	0	0	0	62	0	0	0	0	4	0	0	0	67
Town KL	TK8	Teck	L15396	ATR	91609	SP1	Harvest	0.6	SB 60PO 20PJ 10BW 10	75	11.0	0.80	1	0	0	10	43	0	0	0	0	0	28	8	0	89
Town KL	TK8	Teck	L7583	ATR	97791	BW1	Harvest	3.4	BW 50PJ 20PO 20SB 10	65	14.0	1.00	2	0	0	109	12	0	0	0	0	149	181	0	451	
Town KL	TK8	Teck	L7583	ATR	97791	BW1	Harvest	0.0	BW 50PJ 20PO 20SB 10	65	14.0	1.00	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK8	Teck	L7583	ATR	98182	MW1	Harvest	4.9	BW 40PJ 20PO 20SW 10SB 10	70	16.0	0.80	1	0	0	163	52	64	0	0	0	0	217	234	0	729
Town KL	TK8	Teck	L7583	ATR	83402	MW1	Harvest	0.8	PO 40SB 20PJ 20BW 20	75	17.0	0.80	3	0	0	17	2	0	0	0	0	0	47	12	0	79
Town KL	TK8	Teck	L7583	ATR	91289	MW2	Harvest	2.8	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	36	16	8	7	0	0	0	49	95	0	212
Town KL	TK8	Teck	L7933	ATR	97791	BW1	Harvest	2.6	BW 50PJ 20PO 20SB 10	65	14.0	1.00	2	0	0	83	9	0	0	0	0	115	139	0	346	
Town KL	TK8	Teck	L7933	ATR	98896	MW1	Harvest	3.0	PO 30SB 20BW 20PJ 20SW 10	75	16.0	0.60	3	0	0	46	4	2	0	0	0	0	94	33	0	179
Town KL	TK8	Teck	L8197	ATR	98896	MW1	Harvest	0.0	PO 30SB 20BW 20PJ 20SW 10	75	16.0	0.60	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK8	Teck	L8197	ATR	98896	MW1	Harvest	0.0	PO 30SB 20BW 20PJ 20SW 10	75	16.0	0.60	3	0	0	0	0	0	0	0	0	0	1	0	0	2
Subtotal Block TK8 ATR Harvest								19.9						0.0	0.0	487.9	202.3	74.7	7.2	0.0	4.4	762.1	717.0	0.0	2,255.5	
Town KL	TK8	Teck	L4372	PR	98182	MW1	AOC	0.0	BW 40PJ 20PO 20SW 10SB 10	70	16.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK8	Teck	L4372	PR	98182	MW1	AOC	0.0	BW 40PJ 20PO 20SW 10SB 10	70	16.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Town KL	TK8	Teck	L7582	PR	98182	MW1	AOC	0.2	BW 40PJ 20PO 20SW 10SB 10	70	16.0	0.80	1	0	0	7	2	3	0	0	0	0	9	10	0	32
Town KL	TK8	Teck	L7582	PR	98182	MW1	AOC	0.2	BW 40PJ 20PO 20SW 10SB 10	70	16.0	0.80	1	0	0	6	2	2	0	0	0	0	8	9	0	27
Town KL	TK8	Teck	L7582	PR	92585	MW2	AOC	0.3	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	4	2	1	1	0	0	0	5	10	0	23
Subtotal Block TK8 PR Area of Concern								0.7						0.0	0.0	17.2	6.0	6.1	0.8	0.0	0.0	23.0	29.3	0.0	82.4	
Town KL	TK8	Teck	HR598	PR	83402	MW1	Harvest	6.1	PO 40SB 20PJ 20BW 20	75	17.0	0.80	3	0	0	125	12	0	0	0	0	0	341	89	0	566
Town KL	TK8	Teck	HR598	PR	87903	MW1	Harvest	2.5	PO 40BW 20PJ 20SW 10SB 10	75	16.0	0.80	3	0	0	52	3	2	0	0	0	0	142	37	0	235
Town KL	TK8	Teck	HR598	PR	86702	SB1	Harvest	0.9	SB 90LA 10	105	13.0	0.70	2	0	0	0	88	0	0	0	0	6	0	0	0	94
Town KL	TK8	Teck	HR598	PR	86702	SB1	Harvest	0.1	SB 90LA 10	105	13.0	0.70	2	0	0	0	6	0	0	0	0	0	0	0	0	7
Town KL	TK8	Teck	HR597	PR	83402	MW1	Harvest	1.5	PO 40SB 20PJ 20BW 20	75	17.0	0.80	3	0	0	32	3	0	0	0	0	0	87	23	0	144
Town KL	TK8	Teck	HR597	PR	83402	MW1	Harvest	6.2	PO 40SB 20PJ 20BW 20	75	17.0	0.80	3	0	0	128	12	0	0	0	0	0	350	91	0	581
Town KL	TK8	Teck	HR597	PR	83402	MW1	Harvest	0.0	PO 40SB 20PJ 20BW 20	75	17.0	0.80	3	0	0	1	0	0	0	0	0	0	3	1	0	4
Town KL	TK8	Teck	HR597	PR	91289	MW2	Harvest	1.2	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	15	7	3	3	0	0	0	21	40	0	89
Town KL	TK8	Teck	HR734	PR	83402	MW1	Harvest	8.8	PO 40SB 20PJ 20BW 20	75	17.0	0.80	3	0	0	180	17	0	0	0	0	0	493	129	0	819
Town KL	TK8	Teck	HR734	PR	86702	SB1	Harvest	0.0	SB 90LA 10	105	13.0	0.70	2	0	0	0	1	0	0	0	0	0	0	0	0	2
Town KL	TK8	Teck	L2636	PR	87903	MW1	Harvest	6.8	PO 40BW 20PJ 20SW 10SB 10	75	16.0	0.80	3	0	0	139	7	5	0	0	0	0	379	99	0	628
Town KL	TK8	Teck	L2636	PR	86702	SB1	Harvest	11.3	SB 90LA 10	105	13.0	0.70	2	0	0	0	1,122	0	0	0	0	78	0	0	0	1,200
Town KL	TK8	Teck	L2636	PR	92603	SB1	Harvest	0.3	SB 80LA 20	105	10.0	0.40	3	0	0	0	7	0	0	0	0	1	0	0	0	9
Town KL	TK8	Teck	L4372	PR	97791	BW1	Harvest	4.7	BW 50PJ 20PO 20SB 10	65	14.0	1.00	2	0	0	152	17	0	0	0	0	0	209	253	0	632
Town KL	TK8	Teck	L4372	PR	98182	MW1	Harvest	5.4	BW 40PJ 20PO 20SW 10SB 10	70	16.0	0.80	1	0	0	179	57	70	0	0	0	0	238	257	0	802
Town KL	TK8	Teck	L4372	PR	98182	MW1	Harvest	0.8	BW 40PJ 20PO 20SW 10SB 10	70	16.0	0.80	1	0	0	28	9	11	0	0	0	0	37	39	0	123
Town KL	TK8	Teck	L4372	PR	98896	MW1	Harvest	0.1	PO 30SB 20BW 20PJ 20SW 10	75	16.0	0.60	3	0	0	2	0	0	0	0	0	0	4	1	0	7
Town KL	TK8	Teck	L5939	PR	97791	BW1	Harvest	7.3	BW 50PJ 20PO 20SB 10	65	14.0	1.00	2	0	0	235	26	0	0	0	0	0	323	391	0	976
Town KL	TK8	Teck	L5939	PR	98896	MW1	Harvest	4.5	PO 30SB 20BW 20PJ 20SW 10	75	16.0	0.60	3	0	0	70	6	3	0	0	0	0	142	49	0	270
Town KL	TK8	Teck	L7582	PR	98182	MW1	Harvest	0.4	BW 40PJ 20PO 20SW 10SB 10	70	16.0	0.80	1	0	0	12	4	5	0	0	0	0	16	18</		

Harvest Block TK8

				Subtotal Block TK8 PR Harvest			69.8							0.0	0.0	1,359.4	1,408.3	101.5	4.9	0.0	86.4	2,796.9	1,541.4	0.0	7,298.8
Town KL	TK8	Teck	HR597	87191	RCK	Non-Prod	0.2																		
Town KL	TK8	Teck	HR597	87191	RCK	Non-Prod	5.5																		
Town KL	TK8	Teck	HR598	93190	BSH	Non-Prod	0.0																		
Town KL	TK8	Teck	HR598	89695	BSH	Non-Prod	3.7																		
Town KL	TK8	Teck	L15396	90505	BSH	Non-Prod	3.6																		
Town KL	TK8	Teck	L2636	89695	BSH	Non-Prod	0.1																		
Town KL	TK8	Teck	L4372	93190	BSH	Non-Prod	1.3																		
Town KL	TK8	Teck	L7582	93190	BSH	Non-Prod	2.8																		
Town KL	TK8	Teck	L7583	93190	BSH	Non-Prod	5.2																		
Town KL	TK8	Teck	L7933	2989	BSH	Non-Prod	3.6																		
				Subtotal Block TK8 Non-Productive			26.1																		
				Total Block TK8 Non-Harvest			29.1							0.0	0.0	67.8	31.2	15.6	1.3	0.0	0.9	108.7	94.3	0.0	319.8
				Total Block TK8 Harvest			89.6							0.0	0.0	1,847.3	1,610.5	176.1	12.2	0.0	90.8	3,559.0	2,258.4	0.0	9,554.3

Forest Management Plan - Operational Block Summary																										
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK9	Teck	HR739	ATR	81587	MW2	AOC	1.8	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	23	10	5	5	0	0	31	61	0	135	
Town KL	TK9	Teck	HR739	ATR	81587	MW2	AOC	1.3	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	17	8	4	3	0	0	23	45	0	101	
Subtotal Block TK9 ATR Area of Concern								3.1							0.0	0.0	40.0	18.0	9.3	8.1	0.0	0.0	54.8	105.9	0.0	236.0
Town KL	TK9	Teck	HR739	ATR	79182	MW1	Harvest	0.2	PJ 30SB 20BW 20PO 20SW 10	65	14.0	0.70	2	0	0	8	1	1	0	0	0	7	3	0	20	
Town KL	TK9	Teck	HR739	ATR	81587	MW2	Harvest	0.2	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	2	1	1	0	0	0	3	6	0	14	
Town KL	TK9	Teck	HR739	ATR	81587	MW2	Harvest	2.6	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	34	15	8	7	0	0	46	89	0	199	
Town KL	TK9	Teck	HR739	ATR	81587	MW2	Harvest	9.5	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	123	55	29	25	0	0	168	325	0	725	
Subtotal Block TK9 ATR Harvest								12.5							0.0	0.0	166.7	72.6	37.5	32.0	0.0	0.0	225.1	424.6	0.0	958.5
Town KL	TK9	Teck	HR732	PR	79892	BW1	AOC	0.3	BW 60PJ 20PO 10SB 10	75	16.0	0.50	2	0	0	6	1	0	0	0	0	4	12	0	24	
Town KL	TK9	Teck	HR732	PR	83402	MW1	AOC	0.4	PO 40SB 20PJ 20BW 20	75	17.0	0.80	3	0	0	8	1	0	0	0	0	21	5	0	34	
Town KL	TK9	Teck	HR732	PR	83402	MW1	AOC	0.0	PO 40SB 20PJ 20BW 20	75	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	1	
Town KL	TK9	Teck	HR732	PR	81587	MW2	AOC	0.3	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	3	1	1	1	0	0	5	9	0	20	
Town KL	TK9	Teck	HR732	PR	81587	MW2	AOC	0.5	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	6	3	1	1	0	0	9	17	0	38	
Town KL	TK9	Teck	HR758	PR	79892	BW1	AOC	0.1	BW 60PJ 20PO 10SB 10	75	16.0	0.50	2	0	0	1	0	0	0	0	0	1	3	0	6	
Town KL	TK9	Teck	HR758	PR	79892	BW1	AOC	0.1	BW 60PJ 20PO 10SB 10	75	16.0	0.50	2	0	0	3	1	0	0	0	0	2	5	0	10	
Town KL	TK9	Teck	L12680	PR	79892	BW1	AOC	0.2	BW 60PJ 20PO 10SB 10	75	16.0	0.50	2	0	0	3	1	0	0	0	0	2	6	0	11	
Town KL	TK9	Teck	TC58	PR	81587	MW2	AOC	0.1	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	1	1	0	0	0	0	2	3	0	7	
Town KL	TK9	Teck	TC58	PR	81587	MW2	AOC	0.1	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	1	0	0	0	0	0	1	2	0	4	
Town KL	TK9	Teck	TC59	PR	81587	MW2	AOC	0.2	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	2	1	0	0	0	0	3	5	0	12	
Town KL	TK9	Teck	TC59	PR	81587	MW2	AOC	0.2	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	2	1	0	0	0	0	3	5	0	11	
Town KL	TK9	Teck	TC59	PR	71193	SP1	AOC	0.2	BW 30SB 30SW 20PJ 20	80	12.0	0.80	1	0	0	6	6	5	0	0	0	6	0	0	23	
Subtotal Block TK9 PR Area of Concern								2.5							0.0	0.0	41.8	16.6	8.8	3.1	0.0	0.0	51.5	78.9	0.0	200.7
Town KL	TK9	Teck	HR596	PR	74483	LC1	Harvest	0.4	LA 50SB 40CE 10	72	12.0	0.70	3	0	0	0	1	0	0	0	2	0	0	0	3	
Town KL	TK9	Teck	HR596	PR	75481	LC1	Harvest	1.6	SB 70LA 20PJ 10	85	12.0	0.40	1	0	0	14	77	0	0	0	16	0	0	0	106	
Town KL	TK9	Teck	HR596	PR	79182	MW1	Harvest	15.9	PJ 30SB 20BW 20PO 20SW 10	65	14.0	0.70	2	0	0	537	79	41	0	0	0	491	238	0	1,388	
Town KL	TK9	Teck	HR596	PR	81378	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	1	
Town KL	TK9	Teck	HR596	PR	81587	MW2	Harvest	0.0	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	0	0	0	0	0	0	0	1	0	1	
Town KL	TK9	Teck	HR732	PR	79892	BW1	Harvest	0.0	BW 60PJ 20PO 10SB 10	75	16.0	0.50	2	0	0	0	0	0	0	0	0	0	1	0	2	
Town KL	TK9	Teck	HR732	PR	79892	BW1	Harvest	10.0	BW 60PJ 20PO 10SB 10	75	16.0	0.50	2	0	0	174	36	0	0	0	0	122	349	0	682	
Town KL	TK9	Teck	HR732	PR	83402	MW1	Harvest	1.1	PO 40SB 20PJ 20BW 20	75	17.0	0.80	3	0	0	23	2	0	0	0	0	64	17	0	106	
Town KL	TK9	Teck	HR732	PR	83402	MW1	Harvest	0.0	PO 40SB 20PJ 20BW 20	75	17.0	0.80	3	0	0	0	0	0	0	0	0	1	0	0	2	
Town KL	TK9	Teck	HR732	PR	81587	MW2	Harvest	0.0	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	0	0	0	0	0	0	1	1	0	3	
Town KL	TK9	Teck	HR732	PR	81587	MW2	Harvest	0.2	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	3	1	1	1	0	0	4	8	0	17	
Town KL	TK9	Teck	HR732	PR	81587	MW2	Harvest	5.0	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	64	29	15	13	0	0	88	170	0	379	
Town KL	TK9	Teck	HR732	PR	81587	MW2	Harvest	0.0	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK9	Teck	HR732	PR	88983	MW2	Harvest	0.0	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK9	Teck	HR733	PR	83402	MW1	Harvest	4.9	PO 40SB 20PJ 20BW 20	75	17.0	0.80	3	0	0	100	9	0	0	0	0	273	71	0	453	
Town KL	TK9	Teck	HR733	PR	81587	MW2	Harvest	0.1	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	1	0	0	0	0	0	1	2	0	4	
Town KL	TK9	Teck	HR758	PR	79892	BW1	Harvest	1.6	BW 60PJ 20PO 10SB 10	75	16.0	0.50	2	0	0	29	6	0	0	0	0	20	57	0	112	
Town KL	TK9	Teck	HR758	PR	79892	BW1	Harvest	3.2	BW 60PJ 20PO 10SB 10	75	16.0	0.50	2	0	0	56	11	0	0	0	0	39	111	0	217	
Town KL	TK9	Teck	HR758	PR	71193	SP1	Harvest	1.6	BW 30SB 30SW 20PJ 20	80	12.0	0.80	1	0	0	54	61	50	0	0	0	0	60	0	225	
Town KL	TK9	Teck	L12680	PR	79892	BW1	Harvest	11.2	BW 60PJ 20PO 10SB 10	75	16.0	0.50	2	0	0	195	40	0	0	0	0	136	389	0	760	
Town KL	TK9	Teck	L12680	PR	81587	MW2	Harvest	4.7	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	60	27	14	12	0	0	83	159	0	355	
Town KL	TK9	Teck	L6192	PR	74483	LC1	Harvest	0.7	LA 50SB 40CE 10	72	12.0	0.70	3	0	0	0	2	0	0	1	3	0	0	6		
Town KL	TK9	Teck	L6192	PR	75481	LC1	Harvest	6.8	SB 70LA 20PJ 10	85	12.0	0.40	1	0	0	59	333	0	0	0	67	0	0	459		
Town KL	TK9	Teck	L6192	PR	79182	MW1	Harvest	2.7	PJ 30SB 20BW 20PO 20SW 10	65	14.0	0.70	2	0	0	91	14	7	0	0	0	84	41	0	236	
Town KL	TK9	Teck	L6192	PR	73578	SF1	Harvest	0.2	SB 40LA 20SW 10AX 10PO 10BW 10	82	12.0	0.70	1	0	0	0	8	2	0	0	3	3	2	21		
Town KL	TK9	Teck	RSC200	PR	74483	LC1	Harvest	1.8	LA 50SB 40CE 10	72	12.0	0.70	3	0	0	0	6	0	0	1	8	0	0	15		
Town KL	TK9	Teck	RSC200	PR	75481	LC1	Harvest	1.5	SB 70LA 20PJ 10	85	12.0	0.40	1	0	0	13	72	0	0	0	15	0	0	100		
Town KL	TK9	Teck	RSC200	PR	79182	MW1	Harvest	1.9	PJ 30SB 20BW 20PO 20SW 10	65	14.0	0.70	2	0	0	65	10	5	0	0	0	60	29	0	169	
Town KL	TK9	Teck	RSC200	PR	81587	MW2	Harvest	8.8	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	114	51	26	23	0	0	156	302	0	673	
Town KL	TK9	Teck	TC57	PR	74483	LC1	Harvest	1.7	LA 50SB 40CE 10	72	12.0	0.70	3	0	0	0	6	0	0	1	7	0	0	14		
Town KL	TK9	Teck	TC57	PR	75481	LC1	Harvest	0.1	SB 70LA 20PJ 10	85	12.0	0.40	1	0	0	1	5	0	0	0	1	0	0	7		
Town KL	TK9	Teck	TC57	PR	81587	MW2	Harvest	6.8	BW 40SB 20SW 10BF 10PO 10PJ 10	65	14.0	0.80	2	0	0	87	39	20	18	0	0	120	231	0	515	
Town KL	TK9	Teck	TC58	PR	74483	LC1	Harvest	0.3	LA 50SB 40CE 10	72	12.0	0.70	3	0	0	0	1	0	0	0	1	0	0	2		

Harvest Block TK9

Town KL	TK9	Teck	TC58	PR	81587	MW2	Harvest	7.1	BW	40SB	20SW	10BF	10PO	10PJ	10	65	14.0	0.80	2	0	0	92	41	21	18	0	0	126	243	0	542	
Town KL	TK9	Teck	TC59	PR	81587	MW2	Harvest	3.4	BW	40SB	20SW	10BF	10PO	10PJ	10	65	14.0	0.80	2	0	0	43	19	10	9	0	0	59	115	0	256	
Town KL	TK9	Teck	TC59	PR	71193	SP1	Harvest	1.7	BW	30SB	30SW	20PJ	20			80	12.0	0.80	1	0	0	57	64	53	0	0	0	64	0	239		
Subtotal Block TK9 PR Harvest								106.9											0.0	0.0	1,934.8	1,053.7	267.5	93.7	3.9	121.1	1,932.2	2,661.4	2.1	8,070.3		
Town KL	TK9	Teck	HR732		82495	BSH	Non-Prod	0.1																								
Town KL	TK9	Teck	HR733		87191	RCK	Non-Prod	0.1																								
Town KL	TK9	Teck	HR758		76410	BSH	Non-Prod	8.0																								
Town KL	TK9	Teck	L12680		76410	BSH	Non-Prod	0.1																								
Town KL	TK9	Teck	RSC200		77686	UCL	Non-Prod	1.3																								
Town KL	TK9	Teck	TC57		73987	UCL	Non-Prod	1.0																								
Town KL	TK9	Teck	TC57		77686	UCL	Non-Prod	0.3																								
Town KL	TK9	Teck	TC58		73987	UCL	Non-Prod	1.1																								
Town KL	TK9	Teck	TC58		70884	BSH	Non-Prod	2.5																								
Town KL	TK9	Teck	TC58		76410	BSH	Non-Prod	0.1																								
Town KL	TK9	Teck	TC59		73987	UCL	Non-Prod	0.0																								
Town KL	TK9	Teck	TC59		76410	BSH	Non-Prod	4.4																								
Town KL	TK9	Teck	TC59		67790	UCL	Non-Prod	0.9																								
Subtotal Block TK9 Non-Productive								19.8																								
Total Block TK9 Non-Harvest								25.4												0.0	0.0	81.7	34.6	18.0	11.2	0.0	0.0	106.3	184.9	0.0	436.7	
Total Block TK9 Harvest								119.4													0.0	0.0	2,101.5	1,126.2	305.0	125.7	3.9	121.1	2,157.3	3,086.0	2.1	9,028.8

Forest Management Plan - Operational Block Summary

Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters											
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total
Town KL	TK10	Teck	RSC210	NO	59886	MW1	AOC	0.1	PO 30BW 20BF 20PJ 20SW 10	92	21.0	0.80	2	0	0	3	0	1	2	0	0	7	2	0	15
Town KL	TK10	Teck	RSC210	NO	59886	MW1	AOC	0.0	PO 30BW 20BF 20PJ 20SW 10	92	21.0	0.80	2	0	0	1	0	1	0	0	0	2	1	0	4
Subtotal Block TK10 NTR Area of Concern								0.1					0.0	0.0	4.0	0.0	1.5	2.4	0.0	0.0	8.6	2.7	0.0	19.2	
Town KL	TK10	Teck	RSC210	NO	59886	MW1	Harvest	12.6	PO 30BW 20BF 20PJ 20SW 10	92	21.0	0.80	2	0	0	365	0	140	218	0	0	782	249	0	1,754
Town KL	TK10	Teck	RSC210	NO	53182	PJ2	Harvest	0.5	PJ 60PO 20SW 10SB 10	87	18.0	1.30	2	0	0	56	6	6	0	0	0	27	0	0	95
Town KL	TK10	Teck	RSC210	NO	63483	PO1	Harvest	1.5	PO 50BW 20MR 10SW 10SB 10	60	11.0	1.00	3	0	0	0	0	0	0	0	0	109	23	8	140
Subtotal Block TK10 NTR Harvet								14.6					0.0	0.0	420.8	6.0	145.6	217.6	0.0	0.0	918.4	271.9	8.4	1,988.8	
Town KL	TK10	Teck	HR593	PR	65902	SP1	AOC	0.1	SB 40PJ 30SW 10PO 10BW 10	85	13.0	0.80	1	0	0	4	4	1	0	0	0	2	1	0	12
Town KL	TK10	Teck	L6866	PR	73599	LC1	AOC	0.1	SB 50LA 30SW 10PO 10	82	14.0	0.60	1	0	0	0	5	1	0	0	2	2	0	0	10
Town KL	TK10	Teck	L6866	PR	73801	LC1	AOC	0.1	SB 70BF 20LA 10	82	12.0	0.40	1	0	0	0	3	0	1	0	0	0	0	0	5
Town KL	TK10	Otto	Lot 8 Con 6	PR	68667	MW1	AOC	0.0	PO 40SB 20PJ 20BW 20	85	20.0	0.80	3	0	0	0	0	0	0	0	0	1	0	0	2
Town KL	TK10	Otto	Lot 8 Con 6	PR	68667	MW1	AOC	1.2	PO 40SB 20PJ 20BW 20	85	20.0	0.80	3	0	0	26	7	0	0	0	0	70	18	0	122
Town KL	TK10	Otto	Lot 8 Con 6	PR	73569	MW1	AOC	6.6	PO 30BW 20PJ 20BF 10SW 10SB 10	85	20.0	0.70	3	0	0	125	18	18	20	0	0	252	87	0	520
Town KL	TK10	Otto	Lot 8 Con 6	PR	73569	MW1	AOC	0.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	20.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK10	Otto	Lot 8 Con 6	PR	73569	MW1	AOC	0.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	20.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	1
Town KL	TK10	Otto	Lot 8 Con 6	PR	73569	MW1	AOC	0.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	20.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK10	Otto	Lot 8 Con 6	PR	80466	MW1	AOC	0.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	20.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK10	Otto	Lot 8 Con 6	PR	80466	MW1	AOC	0.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	20.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK10	Otto	Lot 8 Con 6	PR	72665	MW1	AOC	0.0	PO 40BW 20PJ 20SW 10SB 10	95	22.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	1
Town KL	TK10	Otto	Lot 8 Con 6	PR	72665	MW1	AOC	0.7	PO 40BW 20PJ 20SW 10SB 10	95	22.0	0.80	2	0	0	19	7	7	0	0	0	55	13	0	102
Town KL	TK10	Otto	Lot 8 Con 6	PR	72665	MW1	AOC	0.1	PO 40BW 20PJ 20SW 10SB 10	95	22.0	0.80	2	0	0	4	1	1	0	0	0	10	2	0	19
Town KL	TK10	Otto	Lot 8 Con 6	PR	72665	MW1	AOC	0.2	PO 40BW 20PJ 20SW 10SB 10	95	22.0	0.80	2	0	0	5	2	2	0	0	0	15	4	0	28
Town KL	TK10	Otto	Lot 8 Con 6	PR	84276	PJ2	AOC	0.2	PJ 50PO 20SW 10SB 10BW 10	75	16.0	0.70	2	0	0	13	1	1	0	0	7	2	0	24	
Town KL	TK10	Otto	Lot 8 Con 6	PR	73578	SF1	AOC	0.0	SB 40LA 20SW 10AX 10PO 10BW 10	82	12.0	0.70	1	0	0	0	2	1	0	0	1	1	0	4	
Town KL	TK10	Otto	Lot 8 Con 6	PR	73578	SF1	AOC	0.4	SB 40LA 20SW 10AX 10PO 10BW 10	82	12.0	0.70	1	0	0	0	19	6	0	0	7	8	4	5	49
Town KL	TK10	Otto	Lot 8 Con 6	PR	62865	SF1	AOC	0.0	CE 50SW 20PW 10LA 10BW 10	92	12.0	0.50	2	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Block TK10 PR Area of Concern								9.7					0.0	0.0	197.8	70.0	38.7	21.3	0.0	9.7	425.0	132.7	5.3	900.6	
Town KL	TK10	Teck	HR593	PR	71193	SP1	Harvest	0.2	BW 30SB 30SW 20PJ 20	80	12.0	0.80	1	0	0	7	8	7	0	0	0	8	0	0	31
Town KL	TK10	Teck	HR593	PR	65902	SP1	Harvest	15.6	SB 40PJ 30SW 10PO 10BW 10	85	13.0	0.80	1	0	0	817	870	270	0	0	0	378	205	0	2,539
Town KL	TK10	Teck	HR594	PR	71193	SP1	Harvest	4.8	BW 30SB 30SW 20PJ 20	80	12.0	0.80	1	0	0	168	188	156	0	0	0	0	187	0	699
Town KL	TK10	Teck	HR594	PR	71193	SP1	Harvest	1.0	BW 30SB 30SW 20PJ 20	80	12.0	0.80	1	0	0	35	39	33	0	0	0	39	0	0	146
Town KL	TK10	Teck	HR594	PR	65902	SP1	Harvest	0.0	SB 40PJ 30SW 10PO 10BW 10	85	13.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	1
Town KL	TK10	Teck	HR594	PR	65902	SP1	Harvest	7.7	SB 40PJ 30SW 10PO 10BW 10	85	13.0	0.80	1	0	0	404	431	134	0	0	0	187	101	0	1,257
Town KL	TK10	Teck	HR756	PR	71193	SP1	Harvest	15.6	BW 30SB 30SW 20PJ 20	80	12.0	0.80	1	0	0	541	607	502	0	0	0	602	0	0	2,252
Town KL	TK10	Teck	HR756	PR	65902	SP1	Harvest	0.3	SB 40PJ 30SW 10PO 10BW 10	85	13.0	0.80	1	0	0	15	16	5	0	0	7	4	0	46	
Town KL	TK10	Teck	L4325	PR	71193	SP1	Harvest	15.1	BW 30SB 30SW 20PJ 20	80	12.0	0.80	1	0	0	523	586	485	0	0	0	0	582	0	2,176
Town KL	TK10	Teck	L4325	PR	65902	SP1	Harvest	0.2	SB 40PJ 30SW 10PO 10BW 10	85	13.0	0.80	1	0	0	8	8	3	0	0	0	4	2	0	24
Town KL	TK10	Teck	L4325	PR	65902	SP1	Harvest	0.5	SB 40PJ 30SW 10PO 10BW 10	85	13.0	0.80	1	0	0	28	30	9	0	0	13	7	0	87	
Town KL	TK10	Teck	L6866	PR	73599	LC1	Harvest	1.4	SB 50LA 30SW 10PO 10	82	14.0	0.60	1	0	0	0	74	18	0	0	31	26	0	149	
Town KL	TK10	Teck	L6866	PR	73599	LC1	Harvest	0.0	SB 50LA 30SW 10PO 10	82	14.0	0.60	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK10	Teck	L6866	PR	73599	LC1	Harvest	0.1	SB 50LA 30SW 10PO 10	82	14.0	0.60	1	0	0	0	5	1	0	0	2	2	0	10	
Town KL	TK10	Teck	L6866	PR	73801	LC1	Harvest	0.1	SB 70BF 20LA 10	82	12.0	0.40	1	0	0	0	5	0	1	0	0	0	0	0	6
Town KL	TK10	Teck	L6866	PR	73801	LC1	Harvest	0.0	SB 70BF 20LA 10	82	12.0	0.40	1	0	0	0	1	0	0	0	0	0	0	0	1
Town KL	TK10	Teck	L6866	PR	73801	LC1	Harvest	0.0	SB 70BF 20LA 10	82	12.0	0.40	1	0	0	0	1	0	0	0	0	0	0	0	1
Town KL	TK10	Teck	L6866	PR	71193	SP1	Harvest	6.2	BW 30SB 30SW 20PJ 20	80	12.0	0.80	1	0	0	214	240	199	0	0	0	0	238	0	891
Town KL	TK10	Teck	L6866	PR	71193	SP1	Harvest	0.2	BW 30SB 30SW 20PJ 20	80	12.0	0.80	1	0	0	5	6	5	0	0	0	0	6	0	23
Town KL	TK10	Teck	L6866	PR	74803	SP1	Harvest	1.8	SB 60PO 20SW 10BW 10	79	12.0	0.80	1	0	0	0	142	29	0	0	0	87	24	0	283
Town KL	TK10	Teck	L6866	PR	74803	SP1	Harvest	0.2	SB 60PO 20SW 10BW 10	79	12.0	0.80	1	0	0	0	18	4	0	0	0	11	3	0	35
Town KL	TK10	Otto	Lot 8 Con 6	PR	75481	LC1	Harvest	0.1	SB 70LA 20PJ 10	85	12.0	0.40	1	0	0	1	7	0	0	0	1	0	0	9	
Town KL	TK10	Otto	Lot 8 Con 6	PR	81378	MW1	Harvest	0.3	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	6	0	0	0	0	0	16	4	0	27
Town KL	TK10	Otto	Lot 8 Con 6	PR	81378	MW1	Harvest	0.7	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	12	0	0	0	0	0	34	9	0	56
Town KL	TK10	Otto	Lot 8 Con 6	PR	68667	MW1	Harvest	0.1	PO 40SB 20PJ 20BW 20	85	20.														

Harvest Block TK10

Town KL	TK10	Otto	Lot 8 Con 6	67076	BSH	Non-Prod	1.9																			
Town KL	TK10	Otto	Lot 8 Con 6	73774	RCK	Non-Prod	5.3																			
Town KL	TK10	Otto	Lot 8 Con 6	79373	RCK	Non-Prod	0.0																			
Town KL	TK10	Otto	Lot 8 Con 6	67571	BSH	Non-Prod	10.3																			
Town KL	TK10	Otto	Lot 8 Con 6	75567	WAT	Non-Prod	0.0																			
Town KL	TK10	Otto	Lot 8 Con 6	68382	WAT	Non-Prod	0.0																			
Town KL	TK10	Otto	Lot 8 Con 6	68382	WAT	Non-Prod	0.0																			
Town KL	TK10	Otto	Lot 8 Con 6	68382	WAT	Non-Prod	0.0																			
Town KL	TK10	Teck	RSC209	59380	BSH	Non-Prod	1.1																			
Subtotal Block TK10 Non-Productive							22.4																			
Total Block TK10 Non-Harvest							36.6						0.0	0.0	201.8	70.0	40.3	23.7	0.0	9.7	433.6	135.4	5.3	919.8		
Total Block TK10 Harvest							148.5						8.9	0.0	5,115.4	3,852.4	2,344.1	247.7	14.4	106.1	5,243.3	3,135.4	116.8	20,183.3		

Forest Management Plan - Operational Block Summary																												
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters														
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total			
Town KL	TK11	Teck	L19702	ATR	86053	MW1	AOC	0.7	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	13	0	0	0	0	0	0	0	0	17	14	4	48
Town KL	TK11	Teck	L19703	ATR	86053	MW1	AOC	0.1	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	2	0	0	0	0	0	0	0	0	3	2	1	9
Town KL	TK11	Teck	L19703	ATR	86053	MW1	AOC	1.7	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	31	0	0	0	0	0	0	0	44	34	10	120	
Town KL	TK11	Teck	L7511	ATR	88950	LC1	AOC	0.5	SB 50CE 20LA 20BW 10	47	7.0	0.70	1	0	0	0	13	0	0	0	4	4	0	0	4	0	0	25
Town KL	TK11	Teck	L7511	ATR	86053	MW1	AOC	0.1	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	2	0	0	0	0	0	0	0	3	2	1	8	
Town KL	TK11	Teck	LS232	ATR	86765	BW1	AOC	0.0	BW 40PO 20BF 10MR 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	LS232	ATR	89564	BW1	AOC	0.1	BW 40PO 20BF 10MR 10SW 10SB 10	85	16.0	0.80	2	0	0	0	1	1	1	0	0	0	0	3	3	1	10	
Town KL	TK11	Teck	LS232	ATR	86053	MW1	AOC	1.1	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	19	0	0	0	0	0	0	0	27	21	6	74	
Town KL	TK11	Teck	LS232	ATR	91064	MW1	AOC	0.4	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	16.0	0.80	2	0	0	12	3	4	3	0	0	0	17	8	5	52		
Town KL	TK11	Teck	LS232	ATR	91064	MW1	AOC	0.3	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	16.0	0.80	2	0	0	9	3	3	2	0	0	0	13	6	4	39		
Subtotal Block TK11 ATR Area of Concern								5.1							0.0	0.0	88.7	20.1	7.8	5.5	4.0	4.2	127.7	95.4	31.9	385.3		
Town KL	TK11	Teck	L19702	ATR	86053	MW1	Harvest	0.2	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	3	0	0	0	0	0	0	0	5	4	1	13	
Town KL	TK11	Teck	L19702	ATR	86053	MW1	Harvest	0.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L19702	ATR	86053	MW1	Harvest	0.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L19702	ATR	86053	MW1	Harvest	0.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L19702	ATR	86053	MW1	Harvest	2.4	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	44	0	0	0	0	0	0	0	62	48	14	170	
Town KL	TK11	Teck	L19703	ATR	86053	MW1	Harvest	4.4	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	81	1	1	0	0	0	0	113	89	26	310		
Town KL	TK11	Teck	L19703	ATR	86053	MW1	Harvest	0.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	L19703	ATR	86053	MW1	Harvest	0.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	L19703	ATR	86053	MW1	Harvest	0.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	L19703	ATR	86053	MW1	Harvest	0.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	L19703	ATR	86053	MW1	Harvest	0.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	L7511	ATR	86053	MW1	Harvest	12.4	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	225	2	2	0	0	0	0	314	246	72	861		
Town KL	TK11	Teck	L8733	ATR	86053	MW1	Harvest	14.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	254	3	3	0	0	0	0	354	278	81	973		
Town KL	TK11	Teck	LS232	ATR	86765	BW1	Harvest	0.0	BW 40PO 20BF 10MR 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	LS232	ATR	86765	BW1	Harvest	0.0	BW 40PO 20BF 10MR 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	LS232	ATR	89564	BW1	Harvest	1.6	BW 40PO 20BF 10MR 10SW 10SB 10	85	16.0	0.80	2	0	0	0	14	14	11	0	0	0	67	64	21	191		
Town KL	TK11	Teck	LS232	ATR	89564	BW1	Harvest	0.0	BW 40PO 20BF 10MR 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	LS232	ATR	86053	MW1	Harvest	2.4	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	43	0	0	0	0	0	0	60	47	14	164		
Town KL	TK11	Teck	LS232	ATR	86053	MW1	Harvest	0.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	LS232	ATR	86053	MW1	Harvest	0.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	LS232	ATR	86053	MW1	Harvest	0.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	LS232	ATR	86053	MW1	Harvest	0.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	LS232	ATR	91064	MW1	Harvest	3.2	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	16.0	0.80	2	0	0	92	27	28	22	0	0	0	131	63	41	403		
Town KL	TK11	Teck	LS232	ATR	91064	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	LS232	ATR	91064	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	LS232	ATR	91064	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal Block TK11 ATR Harvest								40.6							0.0	0.0	742.8	47.4	49.3	33.0	0.0	0.0	1,105.5	837.7	268.8	3,084.5		
Town KL	TK11	Teck	L7511	ATR	88950	LC1	Ineligible	1.5	SB 50CE 20LA 20BW 10	47	7.0	0.70	1	0	0	0	37	0	0	12	12	0	11	0	0	72		
Town KL	TK11	Teck	L8733	ATR	88950	LC1	Ineligible	1.4	SB 50CE 20LA 20BW 10	47	7.0	0.70	1	0	0	0	35	0	0	11	12	0	11	0	0	69		
Subtotal Block TK11 ATR Ineligible								2.9							0.0	0.0	0.0	72.1	0.0	0.0	23.0	23.8	0.0	21.5	0.0	140.4		
Town KL	TK11	Teck	L2379	PR	86053	MW1	AOC	0.2	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	4	0	0	0	0	0	0	5	4	1	15		
Town KL	TK11	Teck	L2379	PR	86053	MW1	AOC	1.6	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	29	0	0	0	0	0	0	40	31	9	109		
Town KL	TK11	Teck	L2379	PR	97357	MW1	AOC	0.2	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.30	3	0	0	2	0	0	0	0	0	2	1	1	6			
Town KL	TK11	Teck	L2379	PR	97357	MW1	AOC	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.30	3	0	0	0	0	0	0	0	0	0	0	0	0	1		
Town KL	TK11	Teck	L2379	PR	98149	MW1	AOC	0.4	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	8	1	1	1	0	0	10	5	3	30			
Town KL	TK11	Teck	L2855	PR	86053	MW1	AOC	0.3	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	5	0	0	0	0	0	7	5	2	18			
Town KL	TK11	Teck	L2855	PR	98149	MW1	AOC	1.6	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	30	4	4	5	0	0	40	21	13	118			
Town KL	TK11	Teck	L2856	PR	98149	MW1	AOC	0.3	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	6	1	1	1	0	0	8	4	3	25			
Town KL	TK11	Teck	L2856	PR	98149	MW1	AOC	1.5	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	29	4	4	5	0	0	39	20	13	114			
Town KL	TK11	Teck	L2856	PR	86036	OH1	AOC	0.0	MR 40PO 30BW 20BF 10	73	13.0	1.10	2	0	0	0	0	0	0	0	0	0	0	0	0	1		
Town KL	TK11	Teck	L2856	PR	97844	SP1	AOC	0.2	SB 60PO 20SW 10BW 10	42	6.0	0.60	1	0	0	0	4	1	0	0	0	4	1	0	10			

Harvest Block TK11

Town KL	TK11	Teck	L2891	PR	97844	SP1	Ineligible	0.0	SB 60PO 20SW 10BW 10	42	6.0	0.60	1	0	0	0	1	0	0	0	0	1	0	0	2	
Town KL	TK11	Teck	L2891	PR	97844	SP1	Ineligible	4.4	SB 60PO 20SW 10BW 10	42	6.0	0.60	1	0	0	0	86	14	0	0	0	91	23	0	215	
Town KL	TK11	Teck	L2891	PR	97844	SP1	Ineligible	0.0	SB 60PO 20SW 10BW 10	42	6.0	0.60	1	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	L2891	PR	97844	SP1	Ineligible	0.0	SB 60PO 20SW 10BW 10	42	6.0	0.60	1	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	L2891	PR	97844	SP1	Ineligible	0.0	SB 60PO 20SW 10BW 10	42	6.0	0.60	1	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	L2891	PR	97844	SP1	Ineligible	0.0	SB 60PO 20SW 10BW 10	42	6.0	0.60	1	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	L2891	PR	97844	SP1	Ineligible	0.0	SB 60PO 20SW 10BW 10	42	6.0	0.60	1	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK11	Teck	L2891	PR	97844	SP1	Ineligible	0.0	SB 60PO 20SW 10BW 10	42	6.0	0.60	1	0	0	0	0	0	0	0	0	0	0	0	0	
							Subtotal Block TK11 PR Ineligible	8.1						0.0	0.0	0.0	98.5	16.4	0.0	0.0	0.0	111.9	28.3	4.5	259.5	
Town KL	TK11	Teck	L19702		94257	BSH	Non-Prod	0.8																		
Town KL	TK11	Teck	L19702		90256	BSH	Non-Prod	3.0																		
Town KL	TK11	Teck	L19702		83861	WAT	Non-Prod	2.1																		
Town KL	TK11	Teck	L19703		88759	RCK	Non-Prod	0.4																		
Town KL	TK11	Teck	L19703		87458	RCK	Non-Prod	0.7																		
Town KL	TK11	Teck	L19703		90256	BSH	Non-Prod	0.2																		
Town KL	TK11	Teck	L19703		83861	WAT	Non-Prod	2.9																		
Town KL	TK11	Teck	L2379		97353	OMS	Non-Prod	4.3																		
Town KL	TK11	Teck	L2379		92951	OMS	Non-Prod	0.0																		
Town KL	TK11	Teck	L2379		94448	WAT	Non-Prod	0.0																		
Town KL	TK11	Teck	L2855		97353	OMS	Non-Prod	0.3																		
Town KL	TK11	Teck	L2855		92951	OMS	Non-Prod	0.0																		
Town KL	TK11	Teck	L2855		94448	WAT	Non-Prod	3.8																		
Town KL	TK11	Teck	L2856		94448	WAT	Non-Prod	2.7																		
Town KL	TK11	Teck	L2856		93143	TMS	Non-Prod	0.3																		
Town KL	TK11	Teck	L2891		5040	WAT	Non-Prod	4.4																		
Town KL	TK11	Teck	L2891		93143	TMS	Non-Prod	0.4																		
Town KL	TK11	Teck	L2891		94939	OMS	Non-Prod	0.0																		
Town KL	TK11	Teck	L7511		90256	BSH	Non-Prod	1.1																		
Town KL	TK11	Teck	L7511		92951	OMS	Non-Prod	0.4																		
Town KL	TK11	Teck	L7511		94448	WAT	Non-Prod	0.1																		
Town KL	TK11	Teck	L8733		90256	BSH	Non-Prod	0.5																		
Town KL	TK11	Teck	LS232		90161	BSH	Non-Prod	1.4																		
Town KL	TK11	Teck	LS232		88759	RCK	Non-Prod	0.8																		
Town KL	TK11	Teck	LS232		87458	RCK	Non-Prod	1.0																		
Town KL	TK11	Teck	LS232		83861	WAT	Non-Prod	6.7																		
							Subtotal Block TK11 Non-Productive	38.2																		
							Total Block TK11 Non-Harvest	63.1						0.0	0.0	227.6	231.1	43.3	22.1	27.0	28.0	455.2	263.4	93.9	1,391.7	
							Total Block TK11 Harvest	73.6						0.0	0.0	1,361.6	112.2	114.1	105.3	0.0	0.0	1,947.5	1,338.6	524.4	5,503.8	

Harvest Block TK12

Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.0	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.0	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.0	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.0	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.0	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.1	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	1	2	0	0	0	1	0	0	0	0	4	
Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.0	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.0	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.0	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.0	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.0	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.0	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.0	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK12	Teck	L2056	PR	77641	SF1	Harvest	0.0	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK12	Teck	L2966	PR	73752	BW1	Harvest	0.0	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK12	Teck	L2966	PR	80052	BW1	Harvest	11.0	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	285	0	33	0	0	0	391	378	85	1,172		
Town KL	TK12	Teck	L2966	PR	77641	SF1	Harvest	0.8	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	9	26	5	4	0	7	0	0	0	51		
							Subtotal Block TK12 PR Harvest	16.9							0.0	0.0	407.8	31.3	49.4	5.1	0.0	8.2	566.7	508.4	119.1	1,696.1	
Town KL	TK12	Teck	L10739		79656	OMS	Non-Prod	0.0																			
Town KL	TK12	Teck	L10739		81755	OMS	Non-Prod	0.0																			
Town KL	TK12	Teck	L10739		83861	WAT	Non-Prod	11.9																			
Town KL	TK12	Teck	L2056		66454	BSH	Non-Prod	2.9																			
Town KL	TK12	Teck	L2056		72347	WAT	Non-Prod	0.8																			
Town KL	TK12	Teck	L8973		76453	TMS	Non-Prod	2.2																			
							Subtotal Block TK12 Non-Productive	17.8																			
							Total Block TK12 Non-Harvest	23.1							0.0	0.0	61.9	49.3	11.5	7.9	0.0	12.9	65.0	53.1	32.3	293.8	
							Total Block TK12 Harvest	58.0							0.0	0.0	1,339.3	46.2	128.6	7.0	0.0	11.3	1,846.5	1,669.5	402.0	5,450.4	

Harvest Block TK13

Town KL	TK13	Teck	L56697		36228	OMS	Non-Prod	5.9																	
Town KL	TK13	Teck	L56697		35130	WAT	Non-Prod	0.6																	
Town KL	TK13	Teck	L56697		35235	BSH	Non-Prod	0.2																	
Subtotal Block TK13 Non-Productive								9.5																	
Total Block TK13 Non-Harvest								30.4						0.0	0.0	336.7	192.1	27.9	20.4	21.9	23.0	515.6	181.5	0.0	1,319.0
Total Block TK13 Harvest								82.3						0.0	0.0	1,793.9	185.0	236.9	24.8	0.0	0.0	3,810.4	2,321.5	62.2	8,433.8

Forest Management Plan - Operational Block Summary

Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters													
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total		
Town KL	TK14	Teck	L12981	ATR	42343	BW1	AOC	0.6	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	13	0	0	0	0	0	0	0	36	9	4	63
Town KL	TK14	Teck	L12985	ATR	42343	BW1	AOC	0.1	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	2	0	0	0	0	0	0	0	5	1	1	9
Town KL	TK14	Teck	L12985	ATR	42343	BW1	AOC	0.2	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	4	0	0	0	0	0	0	0	10	3	1	17
Town KL	TK14	Teck	L12985	ATR	42343	BW1	AOC	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Town KL	TK14	Teck	L13178	ATR	42343	BW1	AOC	0.2	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	4	0	0	0	0	0	0	0	10	3	1	18
Town KL	TK14	Teck	L13178	ATR	42343	BW1	AOC	0.2	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	4	0	0	0	0	0	0	0	10	3	1	18
Town KL	TK14	Teck	L19856	ATR	42343	BW1	AOC	0.1	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	2	0	0	0	0	0	0	0	5	1	1	8
Town KL	TK14	Teck	L19856	ATR	42343	BW1	AOC	0.1	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	3	0	0	0	0	0	0	0	7	2	1	13
Town KL	TK14	Teck	L19856	ATR	56834	BW1	AOC	0.2	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	4	0	0	0	0	0	0	0	11	3	1	18
Town KL	TK14	Teck	L19856	ATR	55238	LC1	AOC	0.1	CE 80SB 10PO 10	105	14.0	0.70	1	0	0	0	1	0	0	0	6	0	2	0	0	0	8
Town KL	TK14	Teck	L19857	ATR	42343	BW1	AOC	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Town KL	TK14	Teck	L19860	ATR	42343	BW1	AOC	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK14	Teck	L19860	ATR	42343	BW1	AOC	0.1	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	1	0	0	0	0	0	0	0	4	1	0	7
Town KL	TK14	Teck	L19860	ATR	42343	BW1	AOC	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	1	0	0	0	0	0	0	0	2	1	0	4
Town KL	TK14	Teck	L19860	ATR	42343	BW1	AOC	0.3	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	7	0	0	0	0	0	0	0	18	5	2	32
Town KL	TK14	Teck	L25593	ATR	36944	BW1	AOC	0.1	BW 60SB 10SW 10PO 10PJ 10	65	11.0	1.20	3	0	0	1	0	0	0	0	0	0	0	1	4	0	6
Town KL	TK14	Teck	L25593	ATR	36940	MW1	AOC	0.5	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	12	4	4	0	0	0	0	0	18	17	0	54
Town KL	TK14	Teck	L25593	ATR	36940	MW1	AOC	0.6	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	15	4	4	0	0	0	0	0	21	20	0	64
Town KL	TK14	Teck	L26070	ATR	36940	MW1	AOC	0.2	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	5	2	2	0	0	0	0	0	8	7	0	23
Town KL	TK14	Teck	L26070	ATR	36940	MW1	AOC	0.0	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Town KL	TK14	Teck	L26070	ATR	36940	MW1	AOC	0.4	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	11	3	3	0	0	0	0	0	16	15	0	48
Town KL	TK14	Teck	L26070	ATR	36940	MW1	AOC	0.3	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	8	2	3	0	0	0	0	0	12	12	0	37
Town KL	TK14	Teck	L26070	ATR	37436	SP1	AOC	0.7	PJ 30SB 20PO 20BF 10SW 10BW 10	65	12.0	0.50	2	0	0	17	3	1	1	0	0	0	0	16	4	0	41
Town KL	TK14	Teck	L26070	ATR	37436	SP1	AOC	1.1	PJ 30SB 20PO 20BF 10SW 10BW 10	65	12.0	0.50	2	0	0	28	4	2	2	0	0	0	0	25	6	0	67
Subtotal Block TK14 ATR Area of Concern								6.2								0.0	0.0	141.0	23.0	19.5	3.0	5.6	0.0	237.7	116.1	13.6	558.9
Town KL	TK14	Teck	L12981	ATR	42343	BW1	Harvest	14.2	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	290	0	3	0	0	0	0	811	211	92	1,407	
Town KL	TK14	Teck	L12981	ATR	43441	MW1	Harvest	0.6	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	12	0	0	0	0	0	0	33	8	0	53	
Town KL	TK14	Teck	L12981	ATR	43737	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK14	Teck	L12982	ATR	36944	BW1	Harvest	2.9	BW 60SB 10SW 10PO 10PJ 10	65	11.0	1.20	3	0	0	33	1	1	0	0	0	0	0	47	145	0	226
Town KL	TK14	Teck	L12982	ATR	41239	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK14	Teck	L12982	ATR	42343	BW1	Harvest	8.9	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	182	0	2	0	0	0	0	0	507	132	58	880
Town KL	TK14	Teck	L12982	ATR	39741	MW1	Harvest	1.2	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	24	0	0	0	0	0	0	0	67	17	0	109
Town KL	TK14	Teck	L12982	ATR	43441	MW1	Harvest	0.4	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	8	0	0	0	0	0	0	0	21	5	0	34
Town KL	TK14	Teck	L12982	ATR	43737	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK14	Teck	L12982	ATR	43737	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK14	Teck	L12985	ATR	42343	BW1	Harvest	14.5	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	298	0	3	0	0	0	0	830	216	94	1,442	
Town KL	TK14	Teck	L13178	ATR	42343	BW1	Harvest	2.3	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	46	0	0	0	0	0	0	0	129	34	15	224
Town KL	TK14	Teck	L19856	ATR	42343	BW1	Harvest	0.6	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	12	0	0	0	0	0	0	0	33	8	4	56
Town KL	TK14	Teck	L19856	ATR	42343	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK14	Teck	L19856	ATR	56834	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	1	0	0	2
Town KL	TK14	Teck	L19856	ATR	55238	LC1	Harvest	0.2	CE 80SB 10PO 10	105	14.0	0.70	1	0	0	0	2	0	0	0	11	0	3	0	0	0	16
Town KL	TK14	Teck	L19856	ATR	55238	LC1	Harvest	0.0	CE 80SB 10PO 10	105	14.0	0.70	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK14	Teck	L19857	ATR	42343	BW1	Harvest	6.3	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	129	0	1	0	0	0	0	360	94	41	624	
Town KL	TK14	Teck	L19860	ATR	42343	BW1	Harvest	0.1	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	1	0	0	0	0	0	0	0	4	1	0	7
Town KL	TK14	Teck	L19860	ATR	42343	BW1	Harvest	0.7	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	14	0	0	0	0	0	0	0	39	10	4	67
Town KL	TK14	Teck	L25593	ATR	36944	BW1	Harvest	8.6	BW 60SB 10SW 10PO 10PJ 10	65	11.0	1.20	3	0	0	97	2	2	0	0	0	0	0	136	426	0	662
Town KL	TK14	Teck	L25593	ATR	39741	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK14	Teck	L25593	ATR	36940	MW1	Harvest	0.1	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	2	1	1	0	0	0	0	3	3	0	8	
Town KL	TK14	Teck	L25593	ATR	36940	MW1	Harvest	0.4	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	11	3	3	0	0	0	0	15	15	0	48	
Town KL	TK14	Teck	L25593	ATR	36940	MW1	Harvest	2.2	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	56	16	17	0	0	0	0	79	76	0	243	
Town KL	TK14	Teck	L26070	ATR	38937	MW1	Harvest	4.8	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	98	1	1	0	0	0	0	273	71	0	444	
Town KL	TK14	Teck	L26070	ATR	43737	MW1	Harvest	0.0	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK14	Teck	L26070	ATR	36940	MW1	Harvest	4.4	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	112	32	34	0	0	0	0	0	158	151	0	487
Town KL	TK14	Teck	L26070	ATR	36940	MW1	Harvest	0.1	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	1	0	0	0	0	0	0	0	2	2	0	6
Town KL	TK14	Teck	L26070	ATR	36940	MW1	Harvest	0.8	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	19	6	6	0	0	0	0	0	28	26	0	85
Subtotal Block TK14 ATR Harvest								73.9							0.0	0.											

Harvest Block TK14

Town KL	TK14	Teck	L19856	ATR	52838	OH1	Ineligible	0.1	OH 100	36	5.0	1.00	1	0	0	0	0	0	0	0	0	0	0	1	1	
Town KL	TK14	Teck	L25593	ATR	37436	SP1	Ineligible	3.2	PJ 30SB 20PO 20BF 10SW 10BW 10	65	12.0	0.50	2	0	0	77	11	6	5	0	0	70	17	0	187	
Town KL	TK14	Teck	L26070	ATR	37436	SP1	Ineligible	0.1	PJ 30SB 20PO 20BF 10SW 10BW 10	65	12.0	0.50	2	0	0	2	0	0	0	0	0	2	0	0	5	
Town KL	TK14	Teck	L26070	ATR	37436	SP1	Ineligible	0.0	PJ 30SB 20PO 20BF 10SW 10BW 10	65	12.0	0.50	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK14	Teck	L26070	ATR	37436	SP1	Ineligible	1.3	PJ 30SB 20PO 20BF 10SW 10BW 10	65	12.0	0.50	2	0	0	31	5	2	2	0	0	28	7	0	74	
Town KL	TK14	Teck	L26070	ATR	37436	SP1	Ineligible	5.6	PJ 30SB 20PO 20BF 10SW 10BW 10	65	12.0	0.50	2	0	0	135	20	10	9	0	0	124	30	0	328	
Subtotal Block TK14 ATR Ineligible								10.3						0.0	0.0	248.1	36.9	18.5	16.4	0.0	0.0	226.6	55.4	0.8	602.7	
Town KL	TK14	Teck	L12981		51444	BSH	Non-Prod	0.7																		
Town KL	TK14	Teck	L12981		47445	WAT	Non-Prod	0.4																		
Town KL	TK14	Teck	L12985		51444	BSH	Non-Prod	0.0																		
Town KL	TK14	Teck	L12985		53539	BSH	Non-Prod	0.3																		
Town KL	TK14	Teck	L13178		47445	WAT	Non-Prod	3.2																		
Town KL	TK14	Teck	L19856		53539	BSH	Non-Prod	2.7																		
Town KL	TK14	Teck	L19856		51934	OMS	Non-Prod	0.9																		
Town KL	TK14	Teck	L19856		50937	WAT	Non-Prod	4.4																		
Town KL	TK14	Teck	L19857		59546	BSH	Non-Prod	0.0																		
Town KL	TK14	Teck	L19857		51444	BSH	Non-Prod	1.2																		
Town KL	TK14	Teck	L19860		53539	BSH	Non-Prod	1.2																		
Town KL	TK14	Teck	L19860		51934	OMS	Non-Prod	0.0																		
Town KL	TK14	Teck	L19860		52833	BSH	Non-Prod	0.0																		
Town KL	TK14	Teck	L19860		50937	WAT	Non-Prod	9.2																		
Town KL	TK14	Teck	L26070		35235	BSH	Non-Prod	0.9																		
Subtotal Block TK14 Non-Productive								25.2																		
Total Block TK14 Non-Harvest								41.7						0.0	0.0	389.2	59.9	38.0	19.4	5.6	0.0	464.3	171.4	14.4	1,161.6	
Total Block TK14 Harvest								73.9						0.0	0.0	1,444.5	64.2	73.8	0.0	11.0	0.0	3,577.8	1,653.1	308.3	7,132.0	

Forest Management Plan - Operational Block Summary																										
Land Owner	Block Number	Township	Mining Claim	Timber Owner	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK15	Teck	L12984	ATR	51445	MW2	AOC	0.0	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	0	0	0	0	0	0	2	1	0	2	
Town KL	TK15	Teck	L13178	ATR	51445	MW2	AOC	0.1	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	1	0	0	0	0	0	5	2	0	7	
Town KL	TK15	Teck	L13178	ATR	51445	MW2	AOC	0.9	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	7	0	0	0	0	0	28	10	0	45	
Town KL	TK15	Teck	L13178	ATR	51445	MW2	AOC	0.1	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	1	0	0	0	0	0	4	1	0	7	
Town KL	TK15	Teck	L23536	ATR	63545	BW1	AOC	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	1	0	0	1	
Town KL	TK15	Teck	L23536	ATR	61446	MW2	AOC	0.4	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	3	0	0	0	0	0	14	5	0	22	
Town KL	TK15	Teck	L23536	ATR	66243	MW2	AOC	0.0	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal Block TK15 ATR Area of Concern								1.6							0.0	0.0	12.8	0.2	0.0	0.0	0.5	0.0	53.2	18.4	0.1	85.1
Town KL	TK15	Teck	L11650	ATR	42343	BW1	Harvest	0.9	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	19	0	0	0	0	0	52	14	6	90	
Town KL	TK15	Teck	L11650	ATR	42343	BW1	Harvest	0.1	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	2	0	0	0	0	0	5	1	1	8	
Town KL	TK15	Teck	L11650	ATR	42343	BW1	Harvest	4.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	83	0	1	0	0	0	232	60	26	402	
Town KL	TK15	Teck	L11650	ATR	56842	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK15	Teck	L11650	ATR	60241	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK15	Teck	L11650	ATR	61739	BW1	Harvest	10.1	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	207	0	2	0	0	0	578	151	66	1,004	
Town KL	TK15	Teck	L11650	ATR	62537	BW1	Harvest	0.6	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	13	0	0	0	0	0	37	10	4	64	
Town KL	TK15	Teck	L11650	ATR	55238	LC1	Harvest	0.3	CE 80SB 10PO 10	105	14.0	0.70	1	0	0	0	5	0	0	25	0	7	0	38		
Town KL	TK15	Teck	L11650	ATR	58936	LC1	Harvest	0.0	CE 80SB 10PO 10	105	14.0	0.70	1	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK15	Teck	L12984	ATR	42343	BW1	Harvest	6.1	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	126	0	1	0	0	0	351	92	40	610	
Town KL	TK15	Teck	L12984	ATR	44260	BW1	Harvest	0.9	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	20	0	0	0	0	0	43	29	0	92	
Town KL	TK15	Teck	L12984	ATR	44260	BW1	Harvest	5.5	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	126	0	1	0	0	0	262	182	0	572	
Town KL	TK15	Teck	L12984	ATR	51445	MW2	Harvest	0.6	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	5	0	0	0	0	0	19	7	0	31	
Town KL	TK15	Teck	L13178	ATR	44260	BW1	Harvest	2.5	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	58	0	1	0	0	0	119	83	0	260	
Town KL	TK15	Teck	L13178	ATR	51445	MW2	Harvest	1.0	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	8	0	0	0	0	0	35	12	0	56	
Town KL	TK15	Teck	L23536	ATR	56842	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK15	Teck	L23536	ATR	56842	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK15	Teck	L23536	ATR	63545	BW1	Harvest	8.3	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	170	0	2	0	0	0	475	124	54	825	
Town KL	TK15	Teck	L23536	ATR	61446	MW2	Harvest	4.4	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	36	0	0	0	1	0	148	52	0	237	
Town KL	TK15	Teck	L23536	ATR	66243	MW2	Harvest	0.0	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK15	Teck	L30331	ATR	44260	BW1	Harvest	12.9	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	294	0	3	0	0	0	614	428	0	1,338	
Town KL	TK15	Teck	L30331	ATR	52257	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK15	Teck	L30331	ATR	58749	MW2	Harvest	0.1	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	1	0	0	0	0	0	3	1	0	5	
Town KL	TK15	Teck	L30332	ATR	44260	BW1	Harvest	10.4	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	238	0	2	0	0	0	498	347	0	1,085	
Town KL	TK15	Teck	L30332	ATR	44260	BW1	Harvest	0.1	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	2	0	0	0	0	0	6	4	0	13	
Town KL	TK15	Teck	L30332	ATR	44260	BW1	Harvest	0.5	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	12	0	0	0	0	0	24	17	0	53	
Town KL	TK15	Teck	L30332	ATR	44260	BW1	Harvest	0.4	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	8	0	0	0	0	0	18	12	0	39	
Town KL	TK15	Teck	L30332	ATR	54648	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK15	Teck	L30333	ATR	44260	BW1	Harvest	5.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	114	0	1	0	0	0	238	166	0	520	
Town KL	TK15	Teck	L30333	ATR	51445	MW2	Harvest	0.8	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	6	0	0	0	0	0	27	9	0	42	
Town KL	TK15	Teck	L30333	ATR	51445	MW2	Harvest	1.1	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	9	0	0	0	0	0	37	13	0	59	
Town KL	TK15	Teck	L30334	ATR	44260	BW1	Harvest	8.7	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	198	0	2	0	0	0	415	288	0	897	
Town KL	TK15	Teck	L30334	ATR	44260	BW1	Harvest	0.1	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	1	0	0	0	0	0	3	3	0	7	
Town KL	TK15	Teck	L30334	ATR	54648	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK15	Teck	L30334	ATR	56653	BW1	Harvest	0.4	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	10	0	0	0	0	0	21	15	0	46	
Town KL	TK15	Teck	L30334	ATR	58749	MW2	Harvest	2.7	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	22	0	0	0	1	0	91	32	0	145	
Subtotal Block TK15 ATR Harvest								88.8							0.0	0.0	1,787.2	6.2	15.5	0.0	28.3	0.0	4,358.3	2,149.6	196.6	8,538.4
Town KL	TK15	Teck	L1621	PR	69038	BW1	AOC	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	1	0	0	0	0	0	3	1	0	5	
Town KL	TK15	Teck	L1621	PR	68540	MW1	AOC	0.8	PO 30BW 20PJ 20MR 10SW 10SB 10	65	13.0	0.80	3	0	0	14	0	0	0	0	0	30	10	5	59	
Town KL	TK15	Teck	L1621	PR	68540	MW1	AOC	0.2	PO 30BW 20PJ 20MR 10SW 10SB 10	65	13.0	0.80	3	0	0	3	0	0	0	0	0	6	2	1	12	
Town KL	TK15	Teck	L1621	PR	68544	MW1	AOC	0.0	PO 30BW 20PJ 20MR 10SW 10SB 10	65	13.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK15	Teck	L1621	PR	70936	MW1	AOC	0.0	PO 30BW 20PJ 20MR 10SW 10SB 10	65	13.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK15	Teck	L1621	PR	71539	MW1	AOC	1.4	PO 30BW 20PJ 20MR 10SW 10SB 10	65	13.0	0.80	3	0	0	26	0	0	0	0	0	55	19	8	108	
Town KL	TK15	Teck	L1621	PR	68337	MW2	AOC	0.3	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	2	0	0	0	0	0	10	3	0	15	
Town KL	TK15	Teck	L2160	PR	58749	MW2	AOC	0.4	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	3	0	0	0	0	0	12	4	0	19	
Town KL	TK15	Teck	L2189	PR	58749	MW2	AOC	0.1	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	1	0	0	0	0	0	3	1	0	5	
Town KL	TK15	Teck	L2189	PR	59155	MW2	AOC	0.1	PO 30BW 20CE 20LA 10SB 10PJ 10	65	12.0	0.70	3	0	0	0	0	0	0	0	0	2	1	0	3	
Subtotal Block TK15 PR Area of Concern								3.2							0.0	0.0	50.2	0.6	0.5	0.0	0.2	0.0	119.0	41.2	14.0	225.7
Town KL	TK15	Teck	L1621	PR	68430	BW1	Harvest	0.0	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK15	Teck	L1621	PR	68430	BW1	Harvest	0.0																		

Harvest Block TK15

Town KL	TK15	Teck	L1621	PR	68540	MW1	Harvest	1.2	PO 30BW	20PJ	20MR	10SW	10SB	10	65	13.0	0.80	3	0	0	22	0	0	0	0	0	47	16	7	94		
Town KL	TK15	Teck	L1621	PR	68540	MW1	Harvest	0.0	PO 30BW	20PJ	20MR	10SW	10SB	10	65	13.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L1621	PR	68540	MW1	Harvest	0.0	PO 30BW	20PJ	20MR	10SW	10SB	10	65	13.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L1621	PR	68540	MW1	Harvest	0.0	PO 30BW	20PJ	20MR	10SW	10SB	10	65	13.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L1621	PR	68540	MW1	Harvest	0.0	PO 30BW	20PJ	20MR	10SW	10SB	10	65	13.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L1621	PR	68540	MW1	Harvest	0.0	PO 30BW	20PJ	20MR	10SW	10SB	10	65	13.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L1621	PR	68544	MW1	Harvest	0.0	PO 30BW	20PJ	20MR	10SW	10SB	10	65	13.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L1621	PR	68544	MW1	Harvest	0.0	PO 30BW	20PJ	20MR	10SW	10SB	10	65	13.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L1621	PR	70936	MW1	Harvest	0.0	PO 30BW	20PJ	20MR	10SW	10SB	10	65	13.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L1621	PR	71539	MW1	Harvest	1.4	PO 30BW	20PJ	20MR	10SW	10SB	10	65	13.0	0.80	3	0	0	26	0	0	0	0	0	54	19	8	107		
Town KL	TK15	Teck	L1621	PR	67538	MW2	Harvest	0.0	PO 30BW	20CE	20LA	10SB	10PJ	10	65	12.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L1621	PR	68337	MW2	Harvest	0.0	PO 30BW	20CE	20LA	10SB	10PJ	10	65	12.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L1621	PR	68337	MW2	Harvest	1.7	PO 30BW	20CE	20LA	10SB	10PJ	10	65	12.0	0.70	3	0	0	14	0	0	0	1	0	58	20	0	93		
Town KL	TK15	Teck	L1621	PR	68337	MW2	Harvest	0.0	PO 30BW	20CE	20LA	10SB	10PJ	10	65	12.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L1621	PR	68337	MW2	Harvest	0.0	PO 30BW	20CE	20LA	10SB	10PJ	10	65	12.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L2160	PR	54648	BW1	Harvest	0.0	BW 40PO	30PJ	20SW	10		65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L2160	PR	56948	BW1	Harvest	1.4	BW 40PO	30PJ	20SW	10		65	12.0	1.20	3	0	0	32	0	0	0	0	0	67	47	0	145			
Town KL	TK15	Teck	L2160	PR	55646	MW2	Harvest	0.0	PO 30BW	20CE	20LA	10SB	10PJ	10	65	12.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L2160	PR	55646	MW2	Harvest	0.0	PO 30BW	20CE	20LA	10SB	10PJ	10	65	12.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L2160	PR	58749	MW2	Harvest	10.7	PO 30BW	20CE	20LA	10SB	10PJ	10	65	12.0	0.70	3	0	0	86	1	0	0	3	0	359	125	0	574		
Town KL	TK15	Teck	L2189	PR	44260	BW1	Harvest	0.6	BW 40PO	30PJ	20SW	10		65	12.0	1.20	3	0	0	12	0	0	0	0	0	27	18	0	58			
Town KL	TK15	Teck	L2189	PR	56653	BW1	Harvest	3.8	BW 40PO	30PJ	20SW	10		65	12.0	1.20	3	0	0	87	0	1	0	0	0	181	126	0	395			
Town KL	TK15	Teck	L2189	PR	58749	MW2	Harvest	4.4	PO 30BW	20CE	20LA	10SB	10PJ	10	65	12.0	0.70	3	0	0	35	0	0	0	1	0	147	51	0	235		
Town KL	TK15	Teck	L2189	PR	59155	MW2	Harvest	1.8	PO 30BW	20CE	20LA	10SB	10PJ	10	65	12.0	0.70	3	0	0	14	0	0	0	1	0	59	20	0	94		
Town KL	TK15	Teck	L2301	PR	56653	BW1	Harvest	3.4	BW 40PO	30PJ	20SW	10		65	12.0	1.20	3	0	0	88	0	1	0	0	0	164	114	0	359			
Town KL	TK15	Teck	L2301	PR	59057	BW1	Harvest	5.2	BW 40PO	30PJ	20SW	10		65	12.0	1.20	3	0	0	119	0	1	0	0	0	249	173	0	543			
Town KL	TK15	Teck	L2301	PR	55458	MW2	Harvest	0.0	PO 30BW	20CE	20LA	10SB	10PJ	10	65	12.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK15	Teck	L2301	PR	59155	MW2	Harvest	7.2	PO 30BW	20CE	20LA	10SB	10PJ	10	65	12.0	0.70	3	0	0	58	1	0	0	2	0	242	84	0	386		
Subtotal Block TK15 PR Harvest								43.6													0.0	0.0	607.6	3.1	3.6	0.0	7.8	0.0	1,693.6	823.8	19.9	3,152.5
Town KL	TK15	Teck	L11650		60741	RCK	Non-Prod	0.0																								
Town KL	TK15	Teck	L11650		60138	RCK	Non-Prod	7.8																								
Town KL	TK15	Teck	L11650		60640	RCK	Non-Prod	0.9																								
Town KL	TK15	Teck	L11650		60337	RCK	Non-Prod	0.2																								
Town KL	TK15	Teck	L12984		48749	RCK	Non-Prod	0.6																								
Town KL	TK15	Teck	L12984		51444	BSH	Non-Prod	2.1																								
Town KL	TK15	Teck	L12984		47445	WAT	Non-Prod	1.2																								
Town KL	TK15	Teck	L13178		51444	BSH	Non-Prod	4.7																								
Town KL	TK15	Teck	L1621		69843	BSH	Non-Prod	0.0																								
Town KL	TK15	Teck	L1621		69438	BSH	Non-Prod	3.8																								
Town KL	TK15	Teck	L1621		67040	BSH	Non-Prod	0.0																								
Town KL	TK15	Teck	L1621		67440	BSH	Non-Prod	0.7																								
Town KL	TK15	Teck	L1621		66841	WAT	Non-Prod	1.7																								
Town KL	TK15	Teck	L1621		70133	BSH	Non-Prod	0.0																								
Town KL	TK15	Teck	L2160		60747	BSH	Non-Prod	0.2																								
Town KL	TK15	Teck	L2160		59546	BSH	Non-Prod	0.0																								
Town KL	TK15	Teck	L2189		58653	RCK	Non-Prod	5.7																								
Town KL	TK15	Teck	L2301		58653	RCK	Non-Prod	0.4																								
Town KL	TK15	Teck	L23536		60747	BSH	Non-Prod	0.2																								
Town KL	TK15	Teck	L23536		66743	BSH	Non-Prod	0.0																								
Town KL	TK15	Teck	L23536		66641	BSH	Non-Prod	0.3																								
Town KL	TK15	Teck	L23536		66841	WAT	Non-Prod	0.0																								
Town KL	TK15	Teck	L30331		47552	RCK	Non-Prod	4.0																								
Town KL	TK15	Teck	L30331		48749	RCK	Non-Prod	0.1																								
Town KL	TK15	Teck	L30332		48749	RCK	Non-Prod	4.9																								
Town KL	TK15	Teck	L30333		48749	RCK	Non-Prod	0.3																								
Town KL	TK15	Teck	L30333		51444	BSH	Non-Prod	0.6																								
Town KL	TK15	Teck	L30334		58653	RCK	Non-Prod	0.9																								
Subtotal Block TK15 Non-Productive								41.5																								
Total Block TK15 Non-Harvest								46.3													0.0	0.0	63.0	0.7	0.5	0.0	0.7	0.0	172.2	59.6	14.1	310.7
Total Block TK15 Harvest								132.5													0.0	0.0	2,394.8	9.4	19.1	0.0	36.1	0.0	6,051.9	2,973.4	216.5	11,690.9

Forest Management Plan - Operational Block Summary																											
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters													
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total		
Town KL	TK16	Teck	L40015	ATR	44260	BW1	AOC	0.6	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	14	0	0	0	0	0	0	0	30	21	0	65
Town KL	TK16	Teck	L40015	ATR	44260	BW1	AOC	0.3	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	7	0	0	0	0	0	0	0	14	10	0	31
Town KL	TK16	Teck	L40015	ATR	45362	BW1	AOC	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK16	Teck	L40015	ATR	45362	BW1	AOC	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK16	Teck	L40015	ATR	45762	BW1	AOC	0.3	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	7	0	0	0	0	0	0	0	16	11	0	34
Town KL	TK16	Teck	L47190	ATR	38659	MW1	AOC	0.6	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	46	0	0	0	0	0	0	62	9	7	124	
Town KL	TK16	Teck	L47190	ATR	40062	MW1	AOC	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK16	Teck	L47190	ATR	37349	MW1	AOC	1.3	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	32	9	10	0	0	0	0	45	44	0	140	
Subtotal Block TK16 ATR Area of Concern								3.1							0.0	0.0	106.1	9.3	9.9	0.0	0.0	0.0	167.4	94.5	7.0	394.0	
Town KL	TK16	Teck	L40015	ATR	42343	BW1	Harvest	0.2	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	4	0	0	0	0	0	0	11	3	1	20	
Town KL	TK16	Teck	L40015	ATR	44260	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK16	Teck	L40015	ATR	44260	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK16	Teck	L40015	ATR	44260	BW1	Harvest	20.4	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	465	0	3	0	0	0	0	970	676	0	2,116	
Town KL	TK16	Teck	L40015	ATR	45362	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK16	Teck	L40015	ATR	45362	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK16	Teck	L40015	ATR	45762	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK16	Teck	L40015	ATR	45762	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK16	Teck	L40015	ATR	45762	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK16	Teck	L40015	ATR	45762	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK16	Teck	L40015	ATR	37349	MW1	Harvest	0.0	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	0	0	0	0	0	0	1	0	0	0	2	
Town KL	TK16	Teck	L40016	ATR	42343	BW1	Harvest	3.9	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	79	0	1	0	0	0	0	220	57	25	383	
Town KL	TK16	Teck	L40016	ATR	44260	BW1	Harvest	2.2	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	50	0	0	0	0	0	0	104	73	0	227	
Town KL	TK16	Teck	L40016	ATR	44260	BW1	Harvest	5.1	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	117	0	1	0	0	0	0	243	169	0	529	
Town KL	TK16	Teck	L40016	ATR	37349	MW1	Harvest	0.2	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	5	1	1	0	0	0	7	6	0	20		
Town KL	TK16	Teck	L47190	ATR	38659	MW1	Harvest	0.5	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	44	0	0	0	0	0	58	8	6	115		
Town KL	TK16	Teck	L47190	ATR	38659	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK16	Teck	L47190	ATR	40062	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK16	Teck	L47190	ATR	37349	MW1	Harvest	0.0	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK16	Teck	L47190	ATR	37349	MW1	Harvest	1.4	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	36	11	11	0	0	0	52	49	0	159		
Subtotal Block TK16 ATR Harvest								33.9							0.0	0.0	800.7	12.0	17.7	0.0	0.0	0.0	1,665.9	1,042.8	32.4	3,571.0	
Town KL	TK16	Teck	L1634	PR	42068	MW1	AOC	0.7	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	60	0	0	0	0	0	70	11	9	159		
Town KL	TK16	Teck	L1898	PR	42068	MW1	AOC	1.2	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	96	0	0	0	0	0	128	17	15	258		
Town KL	TK16	Teck	L1898	PR	42068	MW1	AOC	0.1	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	9	0	0	0	0	0	14	1	1	25		
Town KL	TK16	Teck	L1899	PR	42068	MW1	AOC	0.2	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	21	0	0	0	0	0	27	4	3	55		
Town KL	TK16	Teck	L1899	PR	42068	MW1	AOC	0.5	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	45	0	0	0	0	0	60	8	7	121		
Town KL	TK16	Teck	L1899	PR	42068	MW1	AOC	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	1	0	0	0	0	0	1	0	0	2		
Town KL	TK16	Teck	L1899	PR	53870	MW1	AOC	0.6	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	51	0	0	0	0	0	69	9	8	137		
Town KL	TK16	Teck	L2695	PR	35573	BW1	AOC	0.1	BW 60BF 20PO 10SW 10	125	16.0	0.50	3	0	0	0	0	1	0	0	0	0	3	0	5		
Town KL	TK16	Teck	L2695	PR	35570	MW1	AOC	1.8	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	146	0	0	0	0	0	194	27	22	388		
Town KL	TK16	Teck	L2695	PR	35570	MW1	AOC	0.1	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	6	0	0	0	0	0	8	2	1	17		
Town KL	TK16	Teck	L2695	PR	42068	MW1	AOC	1.8	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	149	0	0	0	0	0	197	26	23	395		
Town KL	TK16	Teck	L2696	PR	42068	MW1	AOC	0.5	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	41	0	0	0	0	0	54	7	6	109		
Town KL	TK16	Teck	L2696	PR	42068	MW1	AOC	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	1	0	0	0	0	0	2	0	0	3		
Town KL	TK16	Teck	L2696	PR	45275	MW2	AOC	1.2	BW 40BF 30MR 20SB 10	98	14.0	1.00	3	0	0	0	9	0	26	0	0	0	43	35	112		
Town KL	TK16	Teck	L2696	PR	45275	MW2	AOC	0.3	BW 40BF 30MR 20SB 10	98	14.0	1.00	3	0	0	0	2	0	7	0	0	0	11	9	30		
Town KL	TK16	Teck	L2696	PR	54383	MW2	AOC	0.0	BW 40BF 30MR 20SB 10	98	14.0	1.00	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	35573	BW1	AOC	0.7	BW 60BF 20PO 10SW 10	125	16.0	0.50	3	0	0	0	0	4	2	0	0	2	16	0	25		
Town KL	TK16	Teck	L2698	PR	35176	MW1	AOC	0.6	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	54	0	0	0	0	0	71	9	8	142		
Town KL	TK16	Teck	L2698	PR	35570	MW1	AOC	0.1	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	4	0	0	0	0	0	6	1	1	12		
Town KL	TK16	Teck	L2698	PR	36177	MW1	AOC	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	42068	MW1	AOC	0.3	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	21	0	0	0	0	0	29	3	4	56		
Town KL	TK16	Teck	L2699	PR	42068	MW1	AOC	3.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	247	0	0	0	0	0	329	44	38	659		
Town KL	TK16	Teck	L2699	PR	47975	MW2	AOC	3.1	BF 40BW 30PO 20MR 10	90	11.0	0.60	2	0	0	0	0	0	72	0	0	95	68	32	267		
Town KL	TK16	Teck	L2699	PR	45275	MW2	AOC	0.7	BW 40BF 30MR 20SB 10	98	14.0	1.00	3	0	0	0	5	0	15	0	0	0	24	20	65		
Subtotal Block TK16 PR Area of Concern								17.5							0.0	0.0	952.5	15.7	5.0	123.6	0.0	0.0	1,357.5	334.5	242.2	3,041.4	

Harvest Block TK16

Town KL	TK16	Teck	L2698	PR	35573	BW1	Harvest	1.9	BW 60BF 20PO 10SW 10	125	16.0	0.50	3	0	0	0	0	11	6	0	0	6	44	0	68		
Town KL	TK16	Teck	L2698	PR	35176	MW1	Harvest	3.8	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	314	0	0	0	0	0	418	56	49	839		
Town KL	TK16	Teck	L2698	PR	35176	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	35176	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	35176	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	35176	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	35176	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	35176	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	35570	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	35570	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	36177	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	36177	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	42068	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	42068	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	42068	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2698	PR	42068	MW1	Harvest	0.1	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	9	0	0	0	0	0	13	1	1	24		
Town KL	TK16	Teck	L2699	PR	42068	MW1	Harvest	0.4	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	35	0	0	0	0	0	46	6	6	93		
Town KL	TK16	Teck	L2699	PR	42068	MW1	Harvest	2.6	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	215	0	0	0	0	0	286	39	33	572		
Town KL	TK16	Teck	L2699	PR	47971	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK16	Teck	L2699	PR	47975	MW2	Harvest	3.4	BF 40BW 30PO 20MR 10	90	11.0	0.60	2	0	0	0	0	0	80	0	0	105	75	35	295		
Town KL	TK16	Teck	L2699	PR	45275	MW2	Harvest	0.1	BW 40BF 30MR 20SB 10	98	14.0	1.00	3	0	0	0	1	0	3	0	0	0	6	4	15		
Town KL	TK16	Teck	L2699	PR	49175	MW2	Harvest	0.5	BW 40BF 30MR 20SB 10	98	14.0	1.00	3	0	0	0	4	0	11	0	0	0	18	15	48		
Subtotal Block TK16 PR Harvest								62.2								0.0	0.0	4,251.8	40.6	12.8	215.5	0.0	0.0	5,777.7	1,091.7	853.3	12,245.7
Town KL	TK16	Teck	L2698	PR	37073	OH1	Ineligible	0.2	OH 100	36	5.0	1.00	1	0	0	0	0	0	0	0	0	0	3	3			
Subtotal Block TK16 PR Ineligible								0.2								0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
Town KL	TK16	Teck	L1634		43265	OMS	Non-Prod	1.0																			
Town KL	TK16	Teck	L1898		40273	BSH	Non-Prod	0.0																			
Town KL	TK16	Teck	L1898		39871	BSH	Non-Prod	1.3																			
Town KL	TK16	Teck	L1898		43179	WAT	Non-Prod	1.8																			
Town KL	TK16	Teck	L1899		46469	BSH	Non-Prod	0.7																			
Town KL	TK16	Teck	L1899		43179	WAT	Non-Prod	0.1																			
Town KL	TK16	Teck	L1899		48969	BSH	Non-Prod	0.0																			
Town KL	TK16	Teck	L2695		43179	WAT	Non-Prod	2.4																			
Town KL	TK16	Teck	L2696		43179	WAT	Non-Prod	6.1																			
Town KL	TK16	Teck	L2698		33174	TMS	Non-Prod	0.0																			
Town KL	TK16	Teck	L2698		34974	TMS	Non-Prod	2.9																			
Town KL	TK16	Teck	L2698		43179	WAT	Non-Prod	9.1																			
Town KL	TK16	Teck	L40015		41664	OMS	Non-Prod	0.0																			
Town KL	TK16	Teck	L40015		46662	OMS	Non-Prod	0.0																			
Town KL	TK16	Teck	L40015		46261	OMS	Non-Prod	0.7																			
Town KL	TK16	Teck	L47189		48749	RCK	Non-Prod	1.5																			
Town KL	TK16	Teck	L47190		41760	OMS	Non-Prod	2.1																			
Town KL	TK16	Teck	L47190		35857	WAT	Non-Prod	0.0																			
Town KL	TK16	Teck	L47190		35857	WAT	Non-Prod	0.0																			
Town KL	TK16	Teck	L47190		36460	OMS	Non-Prod	0.0																			
Town KL	TK16	Teck	L47190		36460	OMS	Non-Prod	0.0																			
Town KL	TK16	Teck	L47190		34956	OMS	Non-Prod	1.8																			
Subtotal Block TK16 Non-Productive								31.6																			
Total Block TK16 Non-Harvest								52.4								0.0	0.0	1,058.6	25.0	14.9	123.6	0.0	0.0	1,525.0	429.1	252.5	3,438.7
Total Block TK16 Harvest								96.1								0.0	0.0	5,052.4	52.6	30.5	215.5	0.0	0.0	7,443.6	2,134.5	885.7	15,816.7

Forest Management Plan - Operational Block Summary

Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK17	Teck	L9092	ATR	58072	MW1	AOC	0.1	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	9	0	0	0	0	0	0	12	1	1	22
Town KL	TK17	Teck	L9092	ATR	58875	MW1	AOC	1.6	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	85	0	0	4	0	0	0	58	28	13	188
Town KL	TK17	Teck	L9092	ATR	58875	MW1	AOC	0.1	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	7	0	0	0	0	0	0	5	2	1	17
Subtotal Block TK17 ATR Area of Concern								1.9						0.0	0.0	101.4	0.0	0.0	4.7	0.0	0.0	75.5	31.7	14.8	227.1	
Town KL	TK17	Teck	L9092	ATR	58072	MW1	Harvest	2.7	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	224	0	0	0	0	0	0	299	40	34	598
Town KL	TK17	Teck	L9092	ATR	58072	MW1	Harvest	1.9	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	161	0	0	0	0	0	0	214	28	25	427
Town KL	TK17	Teck	L9092	ATR	58480	MW1	Harvest	0.0	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L9092	ATR	58875	MW1	Harvest	0.0	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L9092	ATR	58875	MW1	Harvest	0.0	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L9092	ATR	58875	MW1	Harvest	0.0	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L9092	ATR	58875	MW1	Harvest	0.0	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L9092	ATR	58875	MW1	Harvest	0.0	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L9092	ATR	58875	MW1	Harvest	0.0	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L9092	ATR	58875	MW1	Harvest	0.0	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L9092	ATR	58875	MW1	Harvest	0.0	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L9092	ATR	58875	MW1	Harvest	0.0	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L9092	ATR	58875	MW1	Harvest	0.0	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L9092	ATR	58875	MW1	Harvest	7.7	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	397	0	0	20	0	0	0	273	132	59	881
Subtotal Block TK17 ATR Harvest								12.3					0.0	0.0	781.7	0.0	0.0	20.0	0.0	0.0	785.7	199.7	118.3	1,905.5		
Town KL	TK17	Teck	L16391	PR	53870	MW1	AOC	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L16391	PR	56074	MW1	AOC	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L16391	PR	58072	MW1	AOC	0.3	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	24	0	0	0	0	0	0	31	4	4	63
Town KL	TK17	Teck	L16391	PR	64977	MW1	AOC	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L2697	PR	51167	BW1	AOC	0.1	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	2	0	0	0	0	0	0	2	2	0	6
Town KL	TK17	Teck	L2697	PR	51167	BW1	AOC	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L2697	PR	53870	MW1	AOC	3.4	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	280	0	0	0	0	0	0	373	50	43	747
Town KL	TK17	Teck	L2697	PR	56074	MW1	AOC	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L2700	PR	51167	BW1	AOC	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L2700	PR	53870	MW1	AOC	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	3	0	0	0	0	0	0	5	1	1	10
Town KL	TK17	Teck	L2700	PR	53870	MW1	AOC	0.1	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	11	0	0	0	0	0	0	14	2	1	28
Town KL	TK17	Teck	L2701	PR	46665	BW1	AOC	0.4	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	10	0	0	0	0	0	0	22	15	0	47
Town KL	TK17	Teck	L2701	PR	52257	BW1	AOC	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L2701	PR	42068	MW1	AOC	1.3	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	107	0	0	0	0	0	0	143	19	16	286
Town KL	TK17	Teck	L2701	PR	42068	MW1	AOC	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	1	0	0	0	0	0	0	1	0	0	2
Town KL	TK17	Teck	L2701	PR	53870	MW1	AOC	0.1	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	9	0	0	0	0	0	0	12	1	1	22
Town KL	TK17	Teck	L2701	PR	53870	MW1	AOC	1.2	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	96	0	0	0	0	0	0	128	17	15	256
Subtotal Block TK17 PR Area of Concern								6.9					0.0	0.0	542.5	0.0	0.1	0.0	0.0	0.0	0.0	731.2	111.6	80.9	1,467.5	
Town KL	TK17	Teck	L12051	PR	58072	MW1	Harvest	14.6	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	1,218	0	0	0	0	0	0	1,623	219	187	3,247
Town KL	TK17	Teck	L12051	PR	58875	MW1	Harvest	1.1	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	55	0	0	3	0	0	0	38	18	8	122
Town KL	TK17	Teck	L12053	PR	59164	BW1	Harvest	12.7	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	289	0	3	0	0	0	0	604	420	0	1,316
Town KL	TK17	Teck	L12053	PR	57465	MW1	Harvest	3.3	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	269	0	0	0	0	0	0	371	50	43	741
Town KL	TK17	Teck	L12053	PR	64977	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L16391	PR	58072	MW1	Harvest	14.2	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	1,180	0	0	0	0	0	0	1,571	211	181	3,142
Town KL	TK17	Teck	L16391	PR	58875	MW1	Harvest	0.7	PJ 40BW 20PO 20MR 10BF 10	65	13.0	0.80	2	0	0	35	0	0	2	0	0	0	24	12	5	78
Town KL	TK17	Teck	L16391	PR	64977	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L16391	PR	64977	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L2697	PR	51167	BW1	Harvest	12.5	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	286	0	3	0	0	0	0	598	416	0	1,302
Town KL	TK17	Teck	L2697	PR	53870	MW1	Harvest	19.9	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	1,654	0	0	0	0	0	0	2,201	296	254	4,407
Town KL	TK17	Teck	L2697	PR	53870	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L2697	PR	53870	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK17	Teck	L2697	PR	53870	MW1	Harvest	0.0	PJ 40PO 40MR 10BW																	

Harvest Block TK17

Town KL	TK17	Teck	L2697	PR	53870	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK17	Teck	L2697	PR	53870	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK17	Teck	L2697	PR	53870	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK17	Teck	L2697	PR	53870	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK17	Teck	L2697	PR	53870	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK17	Teck	L2697	PR	53870	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK17	Teck	L2697	PR	64977	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK17	Teck	L2700	PR	46665	BW1	Harvest	0.5	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	10	0	0	0	0	0	22	15	0	48			
Town KL	TK17	Teck	L2700	PR	51167	BW1	Harvest	8.6	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	197	0	2	0	0	0	411	286	0	894			
Town KL	TK17	Teck	L2700	PR	52257	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK17	Teck	L2700	PR	52257	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK17	Teck	L2700	PR	48264	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK17	Teck	L2700	PR	53870	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	1	0	0	0	0	0	2	0	0	3			
Town KL	TK17	Teck	L2700	PR	53870	MW1	Harvest	6.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	496	0	0	0	0	0	661	89	76	1,324			
Town KL	TK17	Teck	L2701	PR	46665	BW1	Harvest	2.8	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	65	0	1	0	0	0	236	94	0	294			
Town KL	TK17	Teck	L2701	PR	52257	BW1	Harvest	0.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK17	Teck	L2701	PR	42068	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK17	Teck	L2701	PR	42068	MW1	Harvest	3.4	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	283	0	0	0	0	0	378	51	44	756			
Town KL	TK17	Teck	L2701	PR	42068	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	2	0	0	0	0	0	2	0	0	4			
Town KL	TK17	Teck	L2701	PR	53870	MW1	Harvest	6.7	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	560	0	0	0	0	0	746	101	87	1,493			
Town KL	TK17	Teck	L2701	PR	53870	MW1	Harvest	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	1	0	0	0	0	0	1	0	0	1			
Subtotal Block TK17 PR Harvest								107.0							0.0	0.0	6,600.8	0.0	7.4	4.6	0.0	0.0	9,488.8	2,278.6	886.0	19,173.0		
Town KL	TK17	Teck	L2697		53478	WAT	Non-Prod	0.0																				
Town KL	TK17	Teck	L2697		48969	BSH	Non-Prod	0.0																				
Town KL	TK17	Teck	L2700		48969	BSH	Non-Prod	0.0																				
Town KL	TK17	Teck	L2701		43265	OMS	Non-Prod	4.2																				
Town KL	TK17	Teck	L2701		41664	OMS	Non-Prod	0.0																				
Town KL	TK17	Teck	L9092		59978	WAT	Non-Prod	0.8																				
Subtotal Block TK17 Non-Productive								5.0																				
Total Block TK17 Non-Harvest								13.8							0.0	0.0	643.9	0.0	0.1	4.7	0.0	0.0	806.8	143.2	95.7	1,694.6		
Total Block TK17 Harvest								119.4							0.0	0.0	7,382.5	0.0	7.4	24.6	0.0	0.0	10,274.5	2,478.3	1,004.4	21,078.5		

Forest Management Plan - Operational Block Summary																												
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters														
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total			
Town KL	TK18	Teck	LS71	ATR	79464	BW1	AOC	0.6	BW 40PO 20SW 10MR 10SB 10PJ 10	85	13.0	0.60	3	0	0	5	1	1	0	0	0	13	14	4	39			
Town KL	TK18	Teck	LS71	ATR	78771	MW2	AOC	0.4	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	4	1	1	2	0	0	15	5	0	29			
Town KL	TK18	Teck	LS72	ATR	78771	MW2	AOC	0.6	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	7	2	2	4	0	0	27	9	0	51			
Town KL	TK18	Teck	LS72	ATR	78771	MW2	AOC	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	1	0	0	1				
Town KL	TK18	Teck	LS82	ATR	77374	MW2	AOC	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS82	ATR	78771	MW2	AOC	0.9	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	10	3	3	7	0	0	41	14	0	78			
Town KL	TK18	Teck	LS82	ATR	75370	PO1	AOC	0.2	PO 40SB 20PB 20BW 20	29	4.0	0.30	2	0	0	0	0	0	0	0	2	0	0	2				
Subtotal Block TK18 ATR Area of Concern								2.7						0.0	0.0	26.1	7.2	7.4	13.5	0.0	0.0	99.5	42.9	4.5	201.1			
Town KL	TK18	Teck	LS70	ATR	76663	BW1	Harvest	0.5	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	12	0	1	0	0	0	16	15	3	48			
Town KL	TK18	Teck	LS70	ATR	70472	MW1	Harvest	0.0	PJ 40BW 20PO 20MR 10BF 10	65	15.0	1.00	1	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS70	ATR	74664	MW1	Harvest	9.9	PJ 40BW 20PO 20MR 10BF 10	65	15.0	1.00	1	0	0	799	0	0	107	0	0	523	278	107	1,815			
Town KL	TK18	Teck	LS70	ATR	78771	MW2	Harvest	0.8	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	8	2	2	5	0	0	34	12	0	64			
Town KL	TK18	Teck	LS70	ATR	77463	SP1	Harvest	1.2	SB 50PJ 10SW 10BF 10PO 10BW 10	85	10.0	0.60	2	0	0	13	38	8	6	0	0	19	9	0	94			
Town KL	TK18	Teck	LS71	ATR	76663	BW1	Harvest	0.0	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	1	0	0	0	0	0	1	1	0	4			
Town KL	TK18	Teck	LS71	ATR	78563	BW1	Harvest	0.7	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	18	0	2	0	0	0	24	23	5	72			
Town KL	TK18	Teck	LS71	ATR	79464	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	13.0	0.60	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS71	ATR	79464	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	13.0	0.60	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS71	ATR	79464	BW1	Harvest	1.6	BW 40PO 20SW 10MR 10SB 10PJ 10	85	13.0	0.60	3	0	0	13	4	4	0	0	0	35	36	12	103			
Town KL	TK18	Teck	LS71	ATR	80360	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	13.0	0.60	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS71	ATR	78771	MW2	Harvest	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS71	ATR	78771	MW2	Harvest	3.3	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	36	10	10	23	0	0	146	50	0	277			
Town KL	TK18	Teck	LS71	ATR	77463	SP1	Harvest	1.1	SB 50PJ 10SW 10BF 10PO 10BW 10	85	10.0	0.60	2	0	0	12	34	7	6	0	0	17	8	0	83			
Town KL	TK18	Teck	LS72	ATR	78771	MW2	Harvest	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS72	ATR	78771	MW2	Harvest	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS72	ATR	78771	MW2	Harvest	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS72	ATR	78771	MW2	Harvest	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS72	ATR	78771	MW2	Harvest	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS72	ATR	78771	MW2	Harvest	11.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	120	33	34	77	0	0	480	165	0	908			
Town KL	TK18	Teck	LS82	ATR	77374	MW2	Harvest	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS82	ATR	77374	MW2	Harvest	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS82	ATR	77374	MW2	Harvest	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS82	ATR	78771	MW2	Harvest	9.9	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	108	30	31	70	0	0	434	149	0	821			
Town KL	TK18	Teck	LS82	ATR	78771	MW2	Harvest	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS82	ATR	78771	MW2	Harvest	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS82	ATR	78771	MW2	Harvest	0.0	PO 30BW 20BF 20SW 10SB 10PJ 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0				
Subtotal Block TK18 ATR Harvest								40.1						0.0	0.0	1,140.4	151.1	99.8	294.4	0.0	0.0	1,728.4	746.7	128.0	4,288.9			
Town KL	TK18	Teck	LS72	ATR	75370	PO1	Ineligible	0.0	PO 40SB 20PB 20BW 20	29	4.0	0.30	2	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS82	ATR	75370	PO1	Ineligible	0.0	PO 40SB 20PB 20BW 20	29	4.0	0.30	2	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS82	ATR	75370	PO1	Ineligible	0.0	PO 40SB 20PB 20BW 20	29	4.0	0.30	2	0	0	0	0	0	0	0	0	0	0	0				
Town KL	TK18	Teck	LS82	ATR	75370	PO1	Ineligible	0.1	PO 40SB 20PB 20BW 20	29	4.0	0.30	2	0	0	0	0	0	0	0	1	0	0	1				
Subtotal Block TK18 ATR Ineligible								0.1						0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.0	0.8			
Town KL	TK18	Teck	LS71		78064	BSH	Non-Prod	1.1																				
Town KL	TK18	Teck	LS71		80381	WAT	Non-Prod	1.9																				
Town KL	TK18	Teck	LS72		80381	WAT	Non-Prod	0.3																				
Town KL	TK18	Teck	LS82		80381	WAT	Non-Prod	1.4																				
Subtotal Block TK18 Non-Productive								4.7																				
Total Block TK18 Non-Harvest								7.5									0.0	0.0	26.1	7.2	7.4	13.5	0.0	0.0	100.2	43.0	4.5	201.9
Total Block TK18 Harvest								40.1									0.0	0.0	1,140.4	151.1	99.8	294.4	0.0	0.0	1,728.4	746.7	128.0	4,288.9

Forest Management Plan - Operational Block Summary																										
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species Composition	Age	Height	Stocking	Site Class	Stand Volume Cubic Meters												
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total	
Town KL	TK19	Teck	L2370	PR	11559	MW2	Harvest	9.0	BW 40PO 20SW 10BF 10SB 10PJ 10	85	16.0	0.80	2	0	0	129	75	78	61	0	0	366	350	0	1,059	
Town KL	TK19	Teck	L2370	PR	11559	MW2	Harvest	0.1	BW 40PO 20SW 10BF 10SB 10PJ 10	85	16.0	0.80	2	0	0	1	1	1	1	0	0	3	3	0	9	
Town KL	TK19	Teck	L2370	PR	21167	MW2	Harvest	2.6	BW 30SB 20PO 20BF 10SW 10PJ 10	85	16.0	0.70	2	0	0	33	38	20	15	0	0	94	67	0	267	
Town KL	TK19	Teck	L2370	PR	12270	SF1	Harvest	0.5	SB 50SW 10BF 10LA 10PO 10BW 10	85	10.0	0.70	2	0	0	0	18	4	3	0	2	9	4	0	41	
Town KL	TK19	Teck	L2370	PR	16867	SF1	Harvest	2.7	SB 30PO 20SW 20BF 10PJ 10BW 10	85	11.0	0.60	2	0	0	29	50	35	14	0	0	82	20	0	231	
Town KL	TK19	Teck	L3287	PR	11559	MW2	Harvest	1.2	BW 40PO 20SW 10BF 10SB 10PJ 10	85	16.0	0.80	2	0	0	18	10	11	8	0	0	50	48	0	144	
Town KL	TK19	Teck	L3287	PR	21167	MW2	Harvest	0.9	BW 30SB 20PO 20BF 10SW 10PJ 10	85	16.0	0.70	2	0	0	12	13	7	5	0	0	33	23	0	94	
Town KL	TK19	Teck	L3287	PR	21167	MW2	Harvest	0.0	BW 30SB 20PO 20BF 10SW 10PJ 10	85	16.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK19	Teck	L3287	PR	21167	MW2	Harvest	0.9	BW 30SB 20PO 20BF 10SW 10PJ 10	85	16.0	0.70	2	0	0	11	13	7	5	0	0	31	22	0	88	
Town KL	TK19	Teck	L3287	PR	21167	MW2	Harvest	0.9	BW 30SB 20PO 20BF 10SW 10PJ 10	85	16.0	0.70	2	0	0	11	13	7	5	0	0	31	22	0	88	
Town KL	TK19	Teck	L3287	PR	16867	SF1	Harvest	2.3	SB 30PO 20SW 20BF 10PJ 10BW 10	85	11.0	0.60	2	0	0	25	43	30	12	0	0	70	17	0	195	
Town KL	TK19	Teck	L3287	PR	16867	SF1	Harvest	1.4	SB 30PO 20SW 20BF 10PJ 10BW 10	85	11.0	0.60	2	0	0	15	27	19	7	0	0	43	10	0	121	
Town KL	TK19	Teck	L4726	PR	21167	MW2	Harvest	8.7	BW 30SB 20PO 20BF 10SW 10PJ 10	85	16.0	0.70	2	0	0	110	128	66	52	0	0	312	224	0	891	
Town KL	TK19	Teck	L5122	PR	21167	MW2	Harvest	3.4	BW 30SB 20PO 20BF 10SW 10PJ 10	85	16.0	0.70	2	0	0	43	50	26	20	0	0	121	87	0	347	
Town KL	TK19	Teck	L5122	PR	16867	SF1	Harvest	0.3	SB 30PO 20SW 20BF 10PJ 10BW 10	85	11.0	0.60	2	0	0	4	7	5	2	0	0	11	3	0	30	
Town KL	TK19	Teck	L5289	PR	21167	MW2	Harvest	7.4	BW 30SB 20PO 20BF 10SW 10PJ 10	85	16.0	0.70	2	0	0	94	108	56	44	0	0	265	190	0	758	
Town KL	TK19	Teck	L5289	PR	16867	SF1	Harvest	6.1	SB 30PO 20SW 20BF 10PJ 10BW 10	85	11.0	0.60	2	0	0	65	113	79	31	0	0	186	44	0	519	
Town KL	TK19	Teck	L5524	PR	11559	MW2	Harvest	0.1	BW 40PO 20SW 10BF 10SB 10PJ 10	85	16.0	0.80	2	0	0	1	0	1	0	0	0	2	2	0	7	
Town KL	TK19	Teck	L5524	PR	11559	MW2	Harvest	1.0	BW 40PO 20SW 10BF 10SB 10PJ 10	85	16.0	0.80	2	0	0	15	8	9	7	0	0	42	40	0	120	
Town KL	TK19	Teck	L5524	PR	21167	MW2	Harvest	3.9	BW 30SB 20PO 20BF 10SW 10PJ 10	85	16.0	0.70	2	0	0	49	57	29	23	0	0	138	99	0	395	
Town KL	TK19	Teck	L5524	PR	16867	SF1	Harvest	1.7	SB 30PO 20SW 20BF 10PJ 10BW 10	85	11.0	0.60	2	0	0	18	32	22	9	0	0	52	12	0	146	
Subtotal Block TK19 PR Harvest								55.1						0.0	0.0	681.8	803.0	510.8	323.5	0.0	2.4	1,940.7	1,287.7	0.0	5,550.0	
Town KL	TK19	Teck	L2370	PR	14757	LC1	Ineligible	0.4	LA 80SB 20	67	14.0	0.70	3	0	0	0	0	0	0	0	1	0	0	0	1	
Town KL	TK19	Teck	L3287	PR	20663	SB1	Ineligible	8.0	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK19	Teck	L4726	PR	20663	SB1	Ineligible	1.2	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK19	Teck	L4726	PR	20663	SB1	Ineligible	0.8	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK19	Teck	L5122	PR	20663	SB1	Ineligible	0.2	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK19	Teck	L5524	PR	20663	SB1	Ineligible	3.8	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0		
Subtotal Block TK19 PR Ineligible								14.3						0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.1
Total Block TK19 Non-Harvest								14.3						0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.1
Total Block TK19 Harvest								55.1						0.0	0.0	681.8	803.0	510.8	323.5	0.0	2.4	1,940.7	1,287.7	0.0	5,550.0	

Appendix 4

Area of Concern Prescriptions

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
AEM	Group	Modified Aesthetic Area		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: <ul style="list-style-type: none"> • 15 to 250 metres variable width standing timber modified area, as mapped on the Areas Selected for Operations Maps. 		Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i>	Operational Road/Landing Conditions <i>(Yes/No)</i>	Forestry Aggregate Pit Conditions <i>(Yes/No)</i>
		No	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
Harvest, Renewal and/or Tending Operations: <ul style="list-style-type: none"> • Shape and extent of the modified area will be determined by the nature of each site and by the need to maintain its integrity. • Variable width standing timber area measured from cleared/traveled edge of selected feature. • Removal of standing timber from the modified aesthetic area will be permitted on successful establishment of adjacent harvest block (i.e. 2 m) and/or effectiveness of timber screen has been diminished (i.e. natural disturbance such as fire, insect, and/or windthrow). Any modified aesthetic areas that subsequently meet the adjacency criteria will be available for harvesting in an approved forest management plan. 				
Source: 2006 -2011 Timiskaming Forest Management Plan				
Exception: No				

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
AER	Group	Aesthetics Reserve		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: <ul style="list-style-type: none"> • 0 to 250 metres standing timber reserve measured from cleared or traveled edge of selected features, as mapped on the Areas Selected for Operations Maps. 		Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i>	Operational Road/Landing Conditions <i>(Yes/No)</i>	Forestry Aggregate Pit Conditions <i>(Yes/No)</i>
		No	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
Harvest, Renewal and/or Tending Operations: <ul style="list-style-type: none"> • None allowed. • Shape and extent of the reserve will be determined by the nature of each site and by the need to maintain its integrity. 				
Source: 2006 -2011 Timiskaming Forest Management Plan				
Exception: No				

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
APA	Group	Archeological Potential Area		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: <ul style="list-style-type: none"> • Archeological Potential Area (APA) is the area from the predictive model, as mapped. 		Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i>	Operational Road/Landing Conditions <i>(Yes/No)</i>	Forestry Aggregate Pit Conditions <i>(Yes/No)</i>
		Yes	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
Harvest, Renewal and/or Tending Operations: <ul style="list-style-type: none"> • Operations are permissible where a maximum mineral soil exposure of 5% (weighted average) can be expected or; a Licensed Archeologist has completed a Stage II assessment of the AOC and has recommended that normal operations are acceptable • Site preparation is not permissible unless a maximum soil exposure of 5% (weighted average) can be expected or; a Licensed Archeologist has completed a Stage II assessment of the AOC and has recommended that normal operations are acceptable • Renewal treatments within AOC will centre on natural regeneration and/or artificial regeneration (e.g. planting with light boot scratching) • Mineral soil exposure through the displacement of organic soil layer, is not considered to be mineral soil disturbance • Archaeological assessment reports will be provided to the MNR District and Provincial Cultural Heritage Specialist once received by the licensed archeologist. 				
Source: OMNR, 2007. Forest Management Guide for Cultural Heritage Values				
Exception: No				

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
BD	Group	Occupied Black Bear Dens		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> • 100 m radius AOC centered on the den entrance • Dens known or suspected to contain one or more hibernating black bears • Direction applies to occupied dens known before, or found during, operations 		<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		No	Yes	Yes
		<i>If “Yes”, refer to FMP 19/Supplemental Documentation for Roads</i>		
<p>Harvest, Renewal and/or Tending Operations:</p> <ul style="list-style-type: none"> • Regular harvest, renewal, and tending operations are permitted within the AOC subject to timing restrictions during the denning period which lasts from October 15th to April 30th • Harvest, renewal, and tending operations involving heavy equipment are not permitted within the AOC during the denning period of October 15th to April 30th. The following two extraordinary circumstances associated with forest management activity will be permitted with written rationale and MNR approval: <ol style="list-style-type: none"> 1. where there are conflicting timing restrictions on operations during critical period (e.g. delays to hauling operations that would require removal of water crossings during restricted period, winter or limited access to conduct silvicultural activities) 2. there is a high risk that merchantability of wood will be compromised (e.g. skidding of wood harvested in AOC prior to the discovery of a den site, or wood remaining at roadside through the AOC) <p>These two extraordinary circumstances are considered situations that would result in unacceptable socio-economic or environmental consequences and the modified activities are unlikely to have an adverse effect on the objectives of the direction noted above.</p> • Other harvest, renewal, and tending operations that might potentially disturb denning bears are not permitted within the AOC during the first 4 weeks of the denning period of October 15th to April 30th. The following two extraordinary circumstances associated with forest management activity will be permitted with written rationale and MNR approval: 				

1. where there are conflicting timing restrictions on operations during critical period (e.g. delays to hauling operations that would require removal of water crossings during restricted period, winter or limited access to conduct silvicultural activities)
2. there is a high risk that merchantability of wood will be compromised (e.g. skidding of wood harvested in AOC prior to the discovery of a den site, or wood remaining at roadside through the AOC)

These two extraordinary circumstances are considered situations that would result in unacceptable socio-economic or environmental consequences and the modified activities are unlikely to have an adverse effect on the objectives of the direction noted above.

Source:

OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen's Printer for Ontario. 211 pp.

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE														
BE	Group	Bald Eagle Nests														
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES												
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> 100-400 m radius AOC based on nest category as follows: <table border="1" data-bbox="283 617 1060 1055"> <thead> <tr> <th>AOC Identifier</th> <th>Category</th> <th>Radius of AOC</th> </tr> </thead> <tbody> <tr> <td>BE1</td> <td>Bald Eagle Primary Nests</td> <td>400 m</td> </tr> <tr> <td>BE2</td> <td>Bald Eagle Alternate Nest</td> <td>200 m</td> </tr> <tr> <td>BE3</td> <td>Bald Eagle Inactive Nests</td> <td>100 m</td> </tr> </tbody> </table> <p>Please review the prescription details under the <i>Harvest, Renewal and/or Tending Operations</i> section below.</p> <p>A. Bald Eagle Primary Nests (BE1)</p> <ul style="list-style-type: none"> 400 m radius AOC centered on primary nests. Nests known or suspected to have been occupied (see glossary for definitions) at 		AOC Identifier	Category	Radius of AOC	BE1	Bald Eagle Primary Nests	400 m	BE2	Bald Eagle Alternate Nest	200 m	BE3	Bald Eagle Inactive Nests	100 m	<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		AOC Identifier	Category	Radius of AOC												
		BE1	Bald Eagle Primary Nests	400 m												
BE2	Bald Eagle Alternate Nest	200 m														
BE3	Bald Eagle Inactive Nests	100 m														
No	Yes	Yes														
<p><i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i></p>																

least once within the past 5 years (i.e., active nests), unless the nest and all associated nests within the nesting area have been documented as unoccupied for > or equal to 3 consecutive years, in which case the nest is considered inactive. When > or equal to 2 active nests occur in sufficiently close proximity to be considered part of the nesting area of an individual pair, the nest with the most recent known or suspected history of occupancy within this nesting area is the primary nest; the other active nest(s) is (are) considered alternate nests.

- When inventory data are insufficient to determine which nest in a nesting area has been most recently occupied, the nest in the best condition is considered the primary nest.
- Direction applies to nests known before, or found during, operations.
- Nests within 800 m radius will be considered part of a single nesting area with one primary nest.

B. Bald Eagle Alternate Nests (BE2)

- 200 m radius AOC centered on alternate nests.
- Nests known or suspected to have been occupied at least once within the past 5 years that are not primary nests (see Primary Nests), unless the nest and all associated nests within the nesting area have been documented as unoccupied for > or equal to 3 consecutive years, in which case the nest is considered inactive.
- Direction applies to nests known before, or found during operations.

C. Bald Eagle Inactive Nests (BE3)

- 100 m radius AOC centered on inactive nests.
- Nests not known or suspected to have been occupied at least once within the past 5 years.

<ul style="list-style-type: none"> • Primary and alternate nests within nesting areas where all nests within the nesting area have been documented as unoccupied for $\square >$ or equal to 3 consecutive years. • Direction applies to nests known before, or found during operations. <p><i>Note:</i></p> <ul style="list-style-type: none"> • Initial prescription will use the best available information (i.e. suspected to be occupied) to symbolize the nest site at the time of preparation of the Areas Selected for Operations Maps. • Where it is determined during active forest operations that the species is different than the species first identified and documented in the FMP, the <i>Changes to Operations Protocol</i> describe in Module 12 of the Implementation Toolkit will be initiated. 	
<p>Harvest, Renewal and/or Tending Operations:</p> <p>A. Bald Eagle Primary Nests (BE1)</p> <ul style="list-style-type: none"> • Harvest, renewal, and tending operations are permitted within the AOC subject to timing restrictions (see below) and the following conditions: <ul style="list-style-type: none"> ○ Harvest is not permitted within 200 m of primary nests. ○ Regular harvest is permitted within 201-400 m of primary nests subject to residual pattern requirements as describe in Module 8 of the Implementation Toolkit. ○ Renewal and tending operations that will leave a residual stand structure below the minimum described above are not permitted; all other renewal and tending operations are permitted. • If harvest occurs within 200 m of a primary nest prior to its discovery, an additional patch of unharvested forest equivalent to the area harvested will be retained, preferably attached to the remaining unharvested forest surrounding the nest (to provide a supply of potential nest and roost trees). • Wildlife trees and downed woody material will be retained within harvested portions of the AOC as per general direction in Module 8 of the Implementation Toolkit. Wildlife trees that may function as potential nest, perch, and roost sites will be preferentially retained based on the following order of priority: 1) supercanopy trees, 2) veteran trees, 3) cavity trees, and 4) other live dominant or co dominant trees that are windfirm. White pines, red pines, and poplars will be favoured when available. 	

- Harvest, renewal, and tending operations are not permitted within 100-400 m of occupied primary nests during the critical breeding period of March 1st to August 31st, based on potential impact of the operation described in the table below. However, there is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the drivable road predates the nest. The following two extraordinary circumstances associated with forest management activity will be permitted with written rationale and MNR approval:
 1. where there are conflicting timing restrictions on operations during critical period (e.g. delays to hauling operations that would require removal of water crossings during restricted period, winter or limited access to conduct silvicultural activities)
 2. there is a high risk that merchantability of wood will be compromised (e.g. skidding of wood harvested in AOC prior to the discovery of a nest site, or wood remaining at roadside through the AOC)

These two extraordinary circumstances are considered situations that would result in unacceptable socio-economic or environmental consequences and the modified activities are unlikely to have an adverse effect on the objectives of the direction noted above.

- To determine the ‘potential impact’ classification relevant to the scheduled forest management operations, refer to Module 14 of the Implementation Toolkit for the *Potential Impact Assessment Key*. Results from the assessment key will dictate the potential impact classification listed below.

Potential impact ¹	No operations within
High	400 m
Moderate	200 m
Low	100 m

B. Bald Eagle Alternate Nests (BE2)

- Harvest is not permitted within 200 m of alternate nests.
- If harvest occurs within 200 m of an alternate nest prior to its discovery, an additional patch of unharvested forest equivalent to the area harvested will be retained, preferably attached to the remaining unharvested forest surrounding the nest (to provide a supply of potential nest and roost trees).
- Wildlife trees and downed woody material will be retained within harvested portions of the AOC as per general direction in Module 8 of the Implementation Toolkit. Wildlife trees that may function as potential nest, perch, and roost sites will be preferentially retained based on the following order of priority: 1) supercanopy trees, 2) veteran trees, 3) cavity trees and 4) other live dominant or co dominant trees that are windfirm. White pines, red pines, and poplars will be favoured when available.

- No timing restrictions on harvest, renewal, or tending operations within the AOC.

C. Bald Eagle Inactive Nests (BE3)

- Harvest is not permitted within 100 m of inactive nests.
- Wildlife trees and downed woody material will be retained within harvested portions of the AOC as per general direction in Module 8 of the Implementation Toolkit. Wildlife trees that may function as potential nest, perch, and roost sites will be preferentially retained based on the following order of priority: 1) supercanopy trees, 2) veteran trees, 3) cavity trees and 4) other live dominant or co dominant trees that are windfirm. White pines, red pines, and poplars will be favoured when available.

Source:

OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen's Printer for Ontario. 211 pp.

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
BG	Group	Active Colonies Of Bonaparte’s Gull		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> • 150 m radius AOC measured from peripheral nests. • Colonies known or suspected to have been occupied at least once within the past 5 years unless documented as unoccupied for > or equal to 3 consecutive years). • Direction applies to colonies known before, or found during, operations. 		<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		No	Yes	Yes
		<i>If “Yes”, refer to FMP 19/Supplemental Documentation for Roads</i>		
<p>Harvest, Renewal and/or Tending Operations:</p> <ul style="list-style-type: none"> • Harvest, renewal, and tending operations are permitted within the AOC subject to timing restrictions during the critical breeding period between May 1st to August 31st and the following conditions: <ul style="list-style-type: none"> ○ Harvest is not permitted within 150 m of colonies. ○ Wildlife trees and downed woody material will be retained within harvested portions of the AOC as per conditions and procedures of Module 8 of the Implementation Toolkit. • Harvest, renewal, and tending operations are not permitted within 40-150 m of occupied nests within colonies during the critical breeding period based on potential impact of the operation described in the table below. However, there is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the drivable road predates the nest. The following two extraordinary circumstances associated with forest management activity will be permitted with written rationale and MNR approval: <ol style="list-style-type: none"> 1. where there are conflicting timing restrictions on operations during critical period (e.g. delays to hauling operations that would require removal of water crossings during restricted period, winter or limited access to conduct silvicultural activities) 2. there is a high risk that merchantability of wood will be compromised (e.g. skidding of wood harvested in AOC prior to the discovery of a nest site, or wood remaining at roadside through the AOC) 				

modified activities are unlikely to have an adverse effect on the objectives of the direction noted above.

- To determine the ‘potential impact’ classification relevant to the scheduled forest management operations, refer to Module 14 of the Implementation Toolkit for the *Potential Impact Assessment Key*. Results from the assessment key will dictate the potential impact classification listed below.

Potential impact¹	No operations within
High	150 m
Moderate	75 m
Low	40 m

Source:

OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen’s Printer for Ontario. 211 pp.

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
BH	Group	Bat Hibernacula		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> • 200 m radius AOC centered on the entrance to the hibernaculum. • Hibernacula known to be suitable and to have been used at least once within the past 20 years by <ul style="list-style-type: none"> ○ > or equal to 50 little brown bats, > or equal to 30 big brown bats, > or equal to 20 eastern pipistrelles, > or equal to 20 northern long-eared bats, or > or equal to 1 small-footed bat(s), or as otherwise identified as significant by MNR. • Direction applies to hibernacula known before, or found during operations. 		Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i>	Operational Road/Landing Conditions <i>(Yes/No)</i>	Forestry Aggregate Pit Conditions <i>(Yes/No)</i>
		No	Yes	Yes
		<i>If “Yes”, refer to FMP 19/Supplemental Documentation for Roads</i>		
<p>Harvest, Renewal and/or Tending Operations:</p> <ul style="list-style-type: none"> • Harvest, renewal, and tending operations are not permitted within the inner 100 m. • Harvest, renewal, and tending operations that retain residual forest are permitted in the outer 100 m subject to timing restrictions to address the hibernation and associated entrance and emergence periods run from September 1st to May 30th. • Harvest, renewal, and tending operations involving heavy equipment are not permitted within the outer 100 m of the AOC during the hibernation and associated entrance and emergence periods. The following two extraordinary circumstances associated with forest management activity will be permitted with written rationale and MNR approval: <ol style="list-style-type: none"> 1. where there are conflicting timing restrictions on operations during critical period (e.g. delays to hauling operations that would require removal of water crossings during restricted period, winter or limited access to conduct silvicultural activities) 2. there is a high risk that merchantability of wood will be compromised (e.g. skidding of wood harvested in AOC prior to the discovery of a hibernaculum site, or wood remaining at roadside through the AOC) 				

These two extraordinary circumstances are considered situations that would result in unacceptable socio-economic or environmental consequences and the modified activities are unlikely to have an adverse effect on the objectives of the direction noted above.

Source:

OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen's Printer for Ontario. 211 pp.

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
BP	Group	Beaver Ponds And Beaver Meadows Requiring Special Management to Regenerate Food Supply		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> Standards and Guidelines for the aquatic features associated with these values apply with the following additions. Beaver ponds and beaver meadows identified by MNR or local trappers that require special management to regenerate food supply as mapped. 		<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		No	No	No
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
<p>Harvest, Renewal and/or Tending Operations:</p> <ul style="list-style-type: none"> Harvest, renewal, and tending operations within the AOC should promote establishment or perpetuation of intolerant hardwood or mixed wood FU's, to the extent practical and feasible, unless inconsistent with other ecological objectives. 				
<p>Source: OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen's Printer for Ontario. 211 pp.</p>				
<p>Exception: No</p>				

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
BS	Group	Active Large Colonies Of Bank Swallow		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> 50 m radius AOC measured from peripheral nests. Colonies known or suspected to have been occupied by > or equal to 100 pairs at least once within the past 5 years (unless documented as unoccupied for <input type="checkbox"/> > or equal to 3 consecutive years). Direction applies to colonies known before, or found during, operations. 		<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		No	Yes	Yes
		<p><i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i></p>		
<p>Harvest, Renewal and/or Tending Operations:</p> <ul style="list-style-type: none"> Regular harvest, renewal, and tending operations are permitted within the AOC subject to timing restrictions during the critical breeding period between May 1st to July 31st Harvest, renewal, and tending operations are not permitted within 10-50 m of occupied nests within colonies during the critical breeding period based on potential impact of the operation described in the table below. However, there is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the drivable road predates the nest. The following two extraordinary circumstances associated with forest management activity will be permitted with written rationale and MNR approval: <ol style="list-style-type: none"> where there are conflicting timing restrictions on operations during critical period (e.g. delays to hauling operations that would require removal of water crossings during restricted period, winter or limited access to conduct silvicultural activities) there is a high risk that merchantability of wood will be compromised (e.g. skidding of wood harvested in AOC prior to the discovery of a nest site, or wood remaining at roadside through the AOC) <p>These two extraordinary circumstances are considered situations that would result in unacceptable socio-economic or environmental consequences and the modified activities are unlikely to have an adverse effect on the objectives of the direction noted above.</p>				

- To determine the ‘potential impact’ classification relevant to the scheduled forest management operations, refer to Module 14 of the Implementation Toolkit for the *Potential Impact Assessment Key*. Results from the assessment key will dictate the potential impact classification listed below.

Potential impact ¹	No operations within
High	50 m
Moderate	25 m
Low	10 m

Source:

OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen’s Printer for Ontario. 211 pp.

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE											
CH	Group	Cultural Heritage Values: Landscape Point, Linear and Polygon											
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES									
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> 10 m from the edge of AOC as follows: <table border="1" data-bbox="283 597 1024 945"> <thead> <tr> <th>AOC Identifier</th> <th>Species</th> <th>Radius of AOC</th> </tr> </thead> <tbody> <tr> <td>CH1</td> <td>Point feature measured from structural remains or edges of wrecks</td> <td>10 m</td> </tr> <tr> <td>CH2</td> <td>Linear and Polygon feature measured from the edge of the landscape polygon value</td> <td>10 m</td> </tr> </tbody> </table> <p><u>Point</u></p> <ul style="list-style-type: none"> Protection of known values will be in the form of a reserve unless; <ul style="list-style-type: none"> the value is fully documented in a manner that conforms to the professional standards of a qualified individual and any associated archeological concerns have been addressed through the completion of the appropriate stage of archaeological assessment, and the Ontario Ministry of Culture has reviewed the report 10 metres reserve for structural remains, must be established by encircling all associated remains and features 10 metres reserve from the edges of wrecks <p><u>Linear and Polygon</u></p>		AOC Identifier	Species	Radius of AOC	CH1	Point feature measured from structural remains or edges of wrecks	10 m	CH2	Linear and Polygon feature measured from the edge of the landscape polygon value	10 m	<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		AOC Identifier	Species	Radius of AOC									
		CH1	Point feature measured from structural remains or edges of wrecks	10 m									
CH2	Linear and Polygon feature measured from the edge of the landscape polygon value	10 m											
No	No	No											
<p><i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i></p>													

<ul style="list-style-type: none"> • 10 metres reserve around landscape polygon values • For linear features such as abandoned roads and railways; <ul style="list-style-type: none"> ◦ Documentation and mapping of the feature is sufficient ◦ The linear features may be reused (this protects the landscape pattern) ◦ if you are aware of any other cultural heritage values along it, they must be protected 	
<p>Harvest, Renewal and/or Tending Operations:</p> <p><u>Point</u></p> <ul style="list-style-type: none"> • Protection of known values will be in the form of a reserve unless; <ul style="list-style-type: none"> ◦ the value is fully documented in a manner that conforms to the professional standards of a qualified individual ◦ and any associated archeological concerns have been addressed through the completion of the appropriate stage of archaeological assessment, and the Ontario Ministry of Culture has reviewed the report • 10 metres reserve for structural remains, must be established by encircling all associated remains and features • 10 metres reserve from the edges of wrecks <p><u>Linear and Polygon</u></p> <ul style="list-style-type: none"> • 10 metres reserve around landscape polygon values • For linear features such as abandoned roads and railways; <ul style="list-style-type: none"> ◦ Documentation and mapping of the feature is sufficient ◦ The linear features may be reused (this protects the landscape pattern) ◦ if you are aware of any other cultural heritage values along it, they must be protected • Renewal and tending operations for cultural heritage landscape polygon values can be prescribed; <ul style="list-style-type: none"> ◦ In areas where no structural remains or associated archaeological values are anticipated; or ◦ Where a study by a qualified individual has concluded that no additional cultural heritage landscape point values are present • Traditional travel routes across lakes or on rivers do not require the protection of the adjacent shoreline 	
<p>Source: OMNR. 2007. Forest Management Guide for Cultural Heritage Values.</p>	
<p>Exception: No</p>	

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE														
CR	Group	Nests/ Communal Roosts In Cavities Occupied By American Kestrel, Barred Owl, Boreal Owl, Eastern Screech-Owl, Great Horned Owl, Northern Hawk Owl, Northern Saw-Whet Owl														
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES												
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> 25-100 m radius AOC based on species as follows: <table border="1" data-bbox="283 657 1018 1071"> <thead> <tr> <th>AOC Identifier</th> <th>Species</th> <th>Radius of AOC</th> </tr> </thead> <tbody> <tr> <td>CR1</td> <td>American kestrel, boreal owl, eastern screech-owl, northern saw-whet owl</td> <td>25 m</td> </tr> <tr> <td>CR2</td> <td>Great horned owl, northern hawk owl</td> <td>50 m</td> </tr> <tr> <td>CR3</td> <td>Barred owl</td> <td>100 m</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Unoccupied cavities will be preferentially left as incidental wildlife trees (i.e. no AOC) Nests/communal roosts in cavities known or suspected to be occupied by the American kestrel, barred owl, boreal owl, eastern screech-owl, great horned owl, northern hawk owl, northern saw-whet owl, or chimney swift. Direction applies to nests known before, or found during, operations. 		AOC Identifier	Species	Radius of AOC	CR1	American kestrel, boreal owl, eastern screech-owl, northern saw-whet owl	25 m	CR2	Great horned owl, northern hawk owl	50 m	CR3	Barred owl	100 m	<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		AOC Identifier	Species	Radius of AOC												
		CR1	American kestrel, boreal owl, eastern screech-owl, northern saw-whet owl	25 m												
CR2	Great horned owl, northern hawk owl	50 m														
CR3	Barred owl	100 m														
No	Yes	Yes														
<p><i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i></p>																

- Initial prescription will use the best available information (i.e. suspected to be occupied) to symbolize the nest site at the time of preparation of the operations maps.
- Where it is determined during active forest operations that the species is different than the species first identified and documented in the FMP, the *Changes to Operations Protocol* describe in Module 12 of the Implementation Toolkit will be initiated.

Harvest, Renewal and/or Tending Operations:

Regular harvest, renewal, and tending operations are permitted around nests/communal roosts subject to critical breeding period timing restrictions (as described below) and:

Species	Retain
Trees used by American kestrel, boreal owl, eastern screech-owl, northern hawk owl, northern saw-whet owl	The nest tree will be retained as a wildlife tree if not a safety concern.
Trees used by barred owl, great horned owl	The nest/communal roost tree will be retained in an unharvested residual patch (> or equal to 20 m radius) (may be counted as residual forest).

- Harvest, renewal, and tending operations are not permitted within 0-100 m of occupied nests/communal roosts during the critical breeding/roosting period based on species and potential impact of the operations described in the table below. However, there is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the drivable road predates the nest. The following two extraordinary circumstances associated with forest management activity will be permitted with written rationale and MNR approval:
 1. where there are conflicting timing restrictions on operations during critical period (e.g. delays to hauling operations that would require removal of water crossings during restricted period, winter or limited access to conduct silvicultural activities)
 2. there is a high risk that merchantability of wood will be compromised (e.g. skidding of wood harvested in AOC prior to the discovery of a nest site, or wood remaining at roadside through the AOC)

These two extraordinary circumstances are considered situations that would result in unacceptable socio-economic or environmental consequences and the modified activities are unlikely to have an adverse effect on the objectives of the direction noted above.

- To determine the ‘potential impact’ classification relevant to the scheduled forest management operations, refer to Module 14 of the Implementation Toolkit for the *Potential Impact Assessment Key*. Results from the assessment key will dictate the potential impact classification listed below.

AOC Identifier	Species	Timing restriction (m)		
		High Impact Operations	Moderate Impact Operations	Low Impact Operations
CR1	American kestrel, boreal owl, eastern screech-owl, northern saw-whet owl	25 m	10 m	0 m
CR2	Great horned owl, northern hawk owl	50 m	25 m	10 m
CR3	Barred Owl	100 m	50 m	25 m

¹Ongoing developments of the habitat descriptions for the Chimney Swifts as a Species at Risk

- The critical breeding period for all of Ontario is defined as:
 - February 1st to May 31st for great horned owl,
 - March 15th to July 15th for barred owl, eastern screech-owl, northern hawk-owl, and northern saw-whet owl,
 - April 1st to July 31st for American kestrel and boreal owl

Source:

OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen’s Printer for Ontario. 211 pp.

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
CS	Individual	Chimney Swift Habitat described as follows: <ul style="list-style-type: none"> • Chimney Swift habitat known or suspected to be occupied by a breeding pair and areas known or suspected to have been occupied within the last 5 years • Chimney Swift habitat known or suspected to be occupied by one or more birds as a roost site (migrants, non-breeders, or adults and young of the year) • Structures used by breeding pair or as a roost may include snags, hollow branches or hollow trees, chimneys, silos, or other secluded locations in buildings. • Direction applies to habitats known before, or found during operations 		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: <ul style="list-style-type: none"> • 50m radius reserve centered on all known Chimney Swift locations (including nesting, perching and roosting sites). 		Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i>	Operational Road/Landing Conditions <i>(Yes/No)</i>	Forestry Aggregate Pit Conditions <i>(Yes/No)</i>
		No	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
Harvest, Renewal and/or Tending Operations: <ul style="list-style-type: none"> • Harvest, renewal and tending operations are not permitted within the AOC. • The critical breeding/roosting period is May 1st to Sept 30th. • Local knowledge of breeding chronology may be used to adjust these dates. 				
Source: Provincial Forest Management Species at Risk Biologist				

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
CV	Group	Classified Values		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: <ul style="list-style-type: none"> • Values under this AOC identifier are classified as sensitive. Information is confidential. Contact MNR District. • Protection of classified values is described in individual prescription contained in confidential documentation. 		Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i>	Operational Road/Landing Conditions <i>(Yes/No)</i>	Forestry Aggregate Pit Conditions <i>(Yes/No)</i>
		Yes	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
Harvest, Renewal and/or Tending Operations: <ul style="list-style-type: none"> • Prescription protects all known sites on the Timiskaming Forest. 				
Source: 2006 -2011 Timiskaming Forest Management Plan				
Exception: No				

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE														
GN	Group	Ground Nests Occupied By Northern Harrier, Short-Eared Owl, Turkey Vulture or Common Nighthawk (SAR)														
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES												
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> 50-150 m AOC based on species as follows: <table border="1" data-bbox="281 634 1022 1073"> <thead> <tr> <th>AOC Identifier</th> <th>Species</th> <th>Radius of AOC</th> </tr> </thead> <tbody> <tr> <td>GN1</td> <td>Northern harrier</td> <td>50 m</td> </tr> <tr> <td>GN2</td> <td>Short-eared owl</td> <td>100 m</td> </tr> <tr> <td>GN3</td> <td>Turkey vulture</td> <td>150 m</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Ground nests known or suspected to be occupied by the northern harrier, short-eared owl, or turkey vulture. Direction applies to nests found during operations. Initial prescription will use the best available information (i.e. suspected to be occupied) to symbolize the nest site at the time of preparation of the Areas Selected for Operations Maps. 		AOC Identifier	Species	Radius of AOC	GN1	Northern harrier	50 m	GN2	Short-eared owl	100 m	GN3	Turkey vulture	150 m	<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		AOC Identifier	Species	Radius of AOC												
		GN1	Northern harrier	50 m												
GN2	Short-eared owl	100 m														
GN3	Turkey vulture	150 m														
No	Yes	Yes														
<p><i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i></p>																

<ul style="list-style-type: none"> Where it is determined during active forest operations that the species is different than the species first identified and documented in the FMP, the <i>Changes to Operations Protocol</i> describe in Module 12 of the Implementation Toolkit will be initiated. 														
<p>Harvest, Renewal and/or Tending Operations:</p>														
<ul style="list-style-type: none"> Regular harvest, renewal, and tending operations are permitted with timing restrictions related to the critical breeding period described below. Harvest, renewal, and tending operations are not permitted within 10-150 m of occupied nests during the critical breeding period based on species and potential impact of the operation described in the table below. However, there is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the drivable road predates the nest. The following two extraordinary circumstances associated with forest management activity will be permitted with written rationale and MNR approval: <ol style="list-style-type: none"> where there are conflicting timing restrictions on operations during critical period (e.g. delays to hauling operations that would require removal of water crossings during restricted period, winter or limited access to conduct silvicultural activities) there is a high risk that merchantability of wood will be compromised (e.g. skidding of wood harvested in AOC prior to the discovery of a nest site, or wood remaining at roadside through the AOC) <p>These two extraordinary circumstances are considered situations that would result in unacceptable socio-economic or environmental consequences and the modified activities are unlikely to have an adverse effect on the objectives of the direction noted above.</p> To determine the ‘potential impact’ classification relevant to the scheduled forest management operations, refer to Module 14 of the Implementation Toolkit for the <i>Potential Impact Assessment Key</i>. Results from the assessment key will dictate the potential impact classification listed below. 														
<table border="1" data-bbox="394 1079 1449 1421"> <thead> <tr> <th rowspan="2">AOC Identifier</th> <th rowspan="2">Species</th> <th colspan="3">Timing restriction (m)</th> </tr> <tr> <th>High Impact Operations</th> <th>Moderate Impact Operations</th> <th>Low Impact Operations</th> </tr> </thead> <tbody> <tr> <td>GN1</td> <td>Northern harrier</td> <td>50 m</td> <td>25 m</td> <td>10 m</td> </tr> </tbody> </table>		AOC Identifier	Species	Timing restriction (m)			High Impact Operations	Moderate Impact Operations	Low Impact Operations	GN1	Northern harrier	50 m	25 m	10 m
AOC Identifier	Species			Timing restriction (m)										
		High Impact Operations	Moderate Impact Operations	Low Impact Operations										
GN1	Northern harrier	50 m	25 m	10 m										

	GN2	Short-eared owl	100 m	50 m	25 m	
	GN3	Turkey vulture	150 m	75 m	40 m	

- The critical breeding period for all of Ontario is defined as:
 - March 15th to July 15th for short-eared owl,
 - April 1st to July 31st for northern harrier, and
 - May 1st to August 31st for turkey vulture.

Source:

OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen's Printer for Ontario. 211 pp.

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
GR	Group	Groundwater recharge areas associated with known brook trout spawning sites identified by MNR prior to operations.		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: <ul style="list-style-type: none"> • Mapped recharge area is an AOC. 		Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i>	Operational Road/Landing Conditions <i>(Yes/No)</i>	Forestry Aggregate Pit Conditions <i>(Yes/No)</i>
		No	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
Harvest, Renewal and/or Tending Operations: <ul style="list-style-type: none"> • Regular harvest, renewal, and tending operations are permitted within the AOC. • Extraction trail location and design will follow the conditions and procedures described in Module 9 and 10 of the Implementation Toolkit to minimize rutting that could disrupt shallow groundwater flow. 				
Source: OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen’s Printer for Ontario. 211 pp.				
Exception: No				

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE											
HE	Group	Great Blue Heron Colonies											
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES									
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> 30-300 m radius AOC based on nest category as follows: <table border="1" data-bbox="283 617 1066 961"> <thead> <tr> <th>AOC Identifier</th> <th>Category</th> <th>Radius of AOC</th> </tr> </thead> <tbody> <tr> <td>HE1</td> <td>Active Great Blue Heron Colonies</td> <td>300 m</td> </tr> <tr> <td>HE2</td> <td>Inactive Great Blue Heron Colonies</td> <td>30 m</td> </tr> </tbody> </table> <p>Please review the prescription details under the <i>Harvest, Renewal and/or Tending Operations</i> section below.</p> <p>A. Active Great Blue Heron Colonies (HE1)</p> <ul style="list-style-type: none"> 300 m radius AOC measured from peripheral nests. Large heron colonies (> or equal to 4 occupied nests) known or suspected to have been occupied (see glossary for definitions) at least once within the past 10 years (unless documented as unoccupied for <input type="checkbox"/> > or equal to 5 years). 		AOC Identifier	Category	Radius of AOC	HE1	Active Great Blue Heron Colonies	300 m	HE2	Inactive Great Blue Heron Colonies	30 m	<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		AOC Identifier	Category	Radius of AOC									
		HE1	Active Great Blue Heron Colonies	300 m									
HE2	Inactive Great Blue Heron Colonies	30 m											
No	Yes	Yes											
<p><i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i></p>													

<ul style="list-style-type: none"> • Small heron colonies (< 4 occupied nests) known or suspected to have been occupied (see glossary for definitions) at least once within the past 5 years (unless documented as unoccupied for > or equal to 3 years). • Direction applies to colonies known before, or found during operations. <p>B. Inactive Great Blue Heron Colonies (HE2)</p> <ul style="list-style-type: none"> • 30 m radius AOC measured from peripheral nests. • Large colonies in suitable habitat not known or suspected to have been occupied at least once within the past 10 years or documented as unoccupied for 5 or more consecutive years. • Small colonies in suitable habitat not known or suspected to have been occupied at least once within the past 5 years or documented as unoccupied for 3 or more consecutive years. • Direction applies to colonies known before, or found during, operations. <p><i>Note:</i></p> <ul style="list-style-type: none"> • Initial prescription will use the best available information (i.e. suspected to be occupied) to symbolize the nest site at the time of preparation of the ‘Areas Selected for Operations’ maps. • Where it is determined during active forest operations that the species is different then the species first identified and documented in the FMP, the <i>Changes to Operations Protocol</i> describe in Module 12 of the Implementation Toolkit will be initiated. 	
<p>Harvest, Renewal and/or Tending Operations:</p> <p>A. Active Great Blue Heron Colonies (HE1)</p> <ul style="list-style-type: none"> • Harvest, renewal, and tending operations are permitted within the AOC subject to timing restrictions during the critical breeding period of April 1st to August 15th as well as the following conditions: 	

- Harvest is not permitted within 150 m of colonies.
 - Harvest that retains residual forest (see Module 8 of the Implementation Toolkit) is permitted within 151-300 m of large colonies; regular operations that retain residual pattern as described in Module 8 of the Implementation Toolkit are permitted within 151-300 m of small colonies.
 - Renewal and tending operations that will leave a residual stand structure below the minimum described above are not permitted; all other renewal and tending operations are permitted.
 - Wildlife trees and downed woody material will be retained within harvested portions of the AOC as per conditions and procedures in Module 8 of the Implementation Toolkit.
- Harvest, renewal, and tending operations are not permitted within 75-300 m of occupied nests within colonies during the critical breeding period based on potential impact of the operation described in the table below. However, there is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the drivable road predates the nest. The following two extraordinary circumstances associated with forest management activity will be permitted with written rationale and MNR approval:
 1. where there are conflicting timing restrictions on operations during critical period (e.g. delays to hauling operations that would require removal of water crossings during restricted period, winter or limited access to conduct silvicultural activities)
 2. there is a high risk that merchantability of wood will be compromised (e.g. skidding of wood harvested in AOC prior to the discovery of a nest site, or wood remaining at roadside through the AOC)

These two extraordinary circumstances are considered situations that would result in unacceptable socio-economic or environmental consequences and the modified activities are unlikely to have an adverse effect on the objectives of the direction noted above.

- To determine the ‘potential impact’ classification relevant to the scheduled forest management operations, refer to Module 14 of the Implementation Toolkit for the *Potential Impact Assessment Key*. Results from the assessment key will dictate the potential impact classification listed below.

Potential impact	No operations within
High	300 m
Moderate	150 m
Low	75 m

B. Inactive Great Blue Heron Colonies (HE2)

- Harvest is not permitted within the AOC.
- Renewal and tending operations that will knock down desired residual trees are not permitted within the AOC.
- No timing restrictions on renewal or tending.

Source:

OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen's Printer for Ontario. 211 pp.

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
L	Group	Large Lakes, Medium Lakes, Small Lakes and Ponds (high or moderate potential sensitivity to forest management operations)		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
<p>Reserve/Modified Dimensions:</p> <p><i>Lakes</i></p> <p>All lakes have a high potential sensitivity to forest management operations and are defined as either</p> <ul style="list-style-type: none"> • Large lakes are > or equal to 1000 ha in size and are not rivers • Medium lakes are > or equal to 100 and <1000 ha in size and are not rivers. • Small lakes are > or equal to 8 and <100 ha in size and are not rivers. <p><i>Ponds with high potential sensitivity to forest management operations (HPS ponds)</i></p> <p>When inventory data are available, HPS ponds are those with one or more of the following characteristics:</p> <ul style="list-style-type: none"> • Ponds known to contain fish species that are highly sensitive to perturbations (e.g. brook trout). • Ponds known to provide components of fish habitat for which there is a high degree of species' dependence. • Ponds known to contain rare habitats or fish that are species at risk. • Ponds with low habitat resiliency. • Ponds identified as significant habitat by specific fisheries management plans. <p>When inventory data are not available, HPS ponds are those with the following characteristics:</p> <ul style="list-style-type: none"> • Mapped or unmapped open water features (< or equal to □25% of surface area covered by emergent vegetation) encountered during operations that are > or equal to 0.5 ha and <8 ha in size, are not rivers, and are connected to 1 or more HPS streams (see Table 4.1b). <p><i>Ponds with moderate potential sensitivity to forest management operations (MPS ponds)</i></p>		<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		Yes	Yes	Yes
		<p><i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i></p>		

When inventory data are available, MPS ponds are those with one or more of the following characteristics:

- Ponds known to contain fish species that is moderately resilient to perturbations (e.g., northern pike, walleye).
- Ponds known to provide components of fish habitat for which there is a moderate degree of species' dependence.
- Ponds known to contain habitats or fish that have a limited distribution.
- Ponds with moderate habitat resiliency.

When inventory data are not available, MPS ponds are those with the following characteristics:

- Mapped or unmapped open water features (< or equal to 25% of surface area covered by emergent vegetation) encountered during operations that are > or equal to 0.5 ha and <8 ha in size, are not rivers, and are connected to 1 or more MPS streams.

For large lakes, medium lakes, small lakes, and HPS ponds, and for MPS ponds the AOC is as follows:

AOC Identifier	Category	Radius of AOC		
		Slope (%)	Slope (degrees)	Width of AOC
L-HPS	High Potential Sensitivity	0 – 15	0 – 8.5	30 m
		>15 – 30	8.6 – 16.7	50 m
		>30 – 45	16.8 – 24.2	70 m
		>45	>24.2	90 m
L-MPS	Medium Potential Sensitivity	30 m (independent of slope)		

- The AOC is measured in the field from the edge of vegetation communities capable of providing an effective barrier to the movement of sediment. This will normally be those communities with < or equal to 25% canopy cover of trees, tall (> or equal to 1 m high) woody

shrubs such as alder or willow, or low (<1 m high) woody evergreen shrubs such as Labrador tea or leather leaf. For mapping purposes, the AOC may be measured from the edge of polygons identified as productive forest, treed muskeg swamp or brush. If the inner edge of the AOC will be > or equal to 300 m from the shoreline of a lake or pond when these criteria are used, an AOC is not required adjacent to those sections of shoreline, unless the intervening wetland is known to provide components of fish habitat for which there is a high species' dependence (e.g. spawning habitat).

Harvest, Renewal and/or Tending Operations:

- No harvest, renewal, or tending operations are permitted within the AOC that will result in damage to littoral zones or shorelines and associated stabilizing vegetation, or deposition of sediment within lakes or ponds. Operations specifically prohibited within the AOC include:
 - Machine travel within the inner 3 m of the AOC.
 - Felling of trees into lakes or ponds or the inner 3 m of the AOC. Trees accidentally felled into lakes or ponds will be left where they fall.
 - Excessive removal or damage of sapling-sized trees (<10 cm d.b.h) and shrubs within the inner 3 m of the AOC.
 - Disturbance of the forest floor that leaves ruts or a significant area of exposed mineral soil within the inner 15 m of the AOC (refer to Module 9 of the Implementation Toolkit). Ruts and significant patches of exposed mineral soil will be promptly rehabilitated to prevent sediment from entering a water feature. Patches of mineral soil exposed by natural events are excluded.
 - Disturbance of the forest floor that disrupts hydrological function (i.e., impedes, accelerates, or diverts water movement within recognizable ephemeral streams, springs, seeps, and other areas of groundwater discharge connected to lakes or ponds.

- Harvest is permitted within the AOC subject to the following conditions:
 - > or equal to 50% of the area of the AOC (based on delineation of the AOC around the entire water feature, both inside and outside the harvest area) associated with small lakes, HPS ponds, and MPS ponds, > or equal to 75% of the area of the AOC associated with medium lakes, and > or equal to 90% of the area of the AOC associated with large lakes will be retained as forest that meets the definition of residual (See Module 8 of the Implementation Toolkit).
 - When retaining residual shoreline forest, the inner 15 m will be mature forest with a relatively uniform canopy closure > or equal to 60% (canopy openings not to exceed individual tree crowns) unless the adjacent harvest area outside the AOC meets the definition of residual forest.
 - Harvest that retains forest that does not meet the definition of residual (e.g., conventional clear cutting) is permitted within the AOC only where slope is < or equal to 30%.
 - For each ha of shoreline forest harvested that does not meet the definition of residual (e.g., conventionally clearcut) 1 ha of residual shoreline forest will be retained that has not been harvested within 20 years.
 - Within the AOC, direction for the retention of downed woody material (see Module 8 of the Implementation Toolkit) will be followed.

- Aerial application of pesticides for renewal, tending, or protection is permitted within the AOC but will:

- Follow spray buffer zones for significant areas or sensitive areas (as appropriate) as prescribed in the Ontario Ministry of Environment/Ontario Ministry of Natural Resources Buffer Zone Guidelines for Aerial Application of Pesticides in Crown Forests of Ontario (1992).
 - Machine-based ground application of herbicides (e.g., air-blast sprayers mounted on skidders) is permitted within the AOC; spray buffer zones will be 30 m for significant areas and 60 m for sensitive areas.
 - Hand-based ground application of herbicides (e.g. back-pack sprayers) is permitted within the AOC; spray buffer zones will be 3 m.
 - All spray buffer zones will be measured from the inner boundary of the AOC
 - Bt, when used for the purpose of forest protection will be applied as directed (no restrictions)
- Within the inner 15 m of the AOC, at least 10 trees/100 m of shoreline spaced about 10 m apart will be retained as a potential source of future aquatic coarse woody material. Living trees with the following characteristics will be preferentially retained:
 - At least 15 m tall (or the tallest of those available).
 - Close to the shoreline (ideally within ½ the height of the tree).
 - Leaning toward the shoreline.
 - Coniferous supercanopy trees, scattered conifers, and veterans, especially large cedars, white pines, red pines, hemlocks, white spruces, red spruces, and jack pines.
 - Within the remainder of the AOC, the general direction for retention of wildlife trees in harvest areas (refer to Module 8 of the Implementation Toolkit) will be followed. However, the focus will be on living trees with preferential retention of windfirm trees that provide the following special habitat features for wildlife:
 - Supercanopy trees (all forest units) of value to eagles and ospreys such as white and red pines (and poplars in the boreal forest).
 - Large living hardwood trees with existing cavities or the potential to develop cavities (all forest units).
 - Scattered coniferous trees (selection forest units) or veteran trees (clearcut and shelterwood forest units).
 - Refer to Module 8 and 9 of the Implementation Toolkit for harvesting options in residual forest.

Source:

OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen's Printer for Ontario. 211 pp.

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
LUP	Group	Land Use Permit – Structure and/or Area		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: <ul style="list-style-type: none"> Area from the boundaries of the land use permit as provided by MNR, as mapped. 		Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i>	Operational Road/Landing Conditions <i>(Yes/No)</i>	Forestry Aggregate Pit Conditions <i>(Yes/No)</i>
		No	Yes	Yes
		<i>If “Yes”, refer to FMP 19/Supplemental Documentation for Roads</i>		
Harvest, Renewal and/or Tending Operations: Boundaries of land use permit will be provided by MNR and marked as per standards associated with alienated lands detailed in the TFAI Line Marking Manual (refer to Module 13 of the Implementation Toolkit).				
Source: MNR Kirkland Lake District and 2011 Timiskaming Forest Planning Team				
Exception: No				

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
LW	Group	Late Winter Moose Habitat Enhancement Areas		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> • Variable size and configuration as defined on Area of Operations maps • A renewal prescription to enhance site conditions to provide late winter habitat for moose. Areas identified as having a potential to provide for future late winter moose habitat where this habitat is currently limited. Includes selection of sites based on analysis of forest resource inventory and where aerial habitat surveys have shown shortfalls in late winter moose habitat. • AOC can be reconfigured within the harvest block based on actual site conditions encountered. These areas will have a combination of natural and artificial regeneration treatment packages to optimize future late winter moose habitat based on actual site condition post harvest (i.e. promote late winter moose habitat in those post harvest areas that represent the ideal site condition for the introduction of conifer (e.g. small upland areas)). 		<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		Yes	Yes	Yes
		<p><i>If “Yes”, refer to FMP 19/Supplemental Documentation for Roads</i></p>		
<p>Harvest, Renewal and/or Tending Operations:</p> <ul style="list-style-type: none"> • Normal conditions on operations <ul style="list-style-type: none"> ○ Clearcut harvesting in sites which can be enhanced to create additional late winter moose habitat. ○ Where possible and available, leave uncut areas of semi-mature (advance conifer or mixedwood regeneration usually >6m) within the mapped area of concern. • Renewal <ul style="list-style-type: none"> ○ Final treatment will consider a combination of natural regeneration, artificial regeneration and mixedwood management treatment options appropriate to actual site condition. ○ Silvicultural treatment packages should be considered in the context of moose habitat that surrounds the harvested site. ○ Artificial regeneration of area of concern, to conifer species (i.e. preference will be white and black spruce species) will be considered where moose 				

browse is available, or is anticipated to be in short supply in adjacent late winter habitat areas.

- Renewal prescriptions will encourage enhancement of both the conifer and hardwood component of the forest stand. Regeneration and maintenance treatments within harvest area will not impact on residuals stems unless they threaten success of regeneration.

Source:

2006 -2011 Timiskaming Forest Management Plan

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
LWM	Group	Modified Late Winter Moose Habitat Area		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> • Variable size and configuration as defined on Area of Operations maps • Harvesting prescription to retain and/or improve existing late winter moose habitat area in locations where this habitat is abundant. Includes selection of sites based on analysis of forest resource inventory and/or aerial habitat surveys, or air photo interpretation completed by a MNR Biologist. 		<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		Yes	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
<p>Harvest, Renewal and/or Tending Operations:</p> <p><u>Within the defined area of concern:</u></p> <ul style="list-style-type: none"> • Total area is available for harvest, however, where available, retain advance conifer regeneration (usually >6m) or mixedwood equal to or greater than 50% canopy closure within the mapped area of concern. Targeted species (trees/patches) left unharvested in order of preference are: White Spruce, Balsam Fir, Cedar, Black Spruce, Jack Pine and Poplar. • Selection of a harvesting pattern will be based on the characteristics of actual site conditions and the need to retain a targeted forest condition (i.e. variable width harvest areas used to incorporate dense pockets of balsam fir regeneration). • Retained canopy cover must be representative of the original stand composition by using a combination of strips, patches or selection harvest options with the consideration for maximizing edge for wildlife. Implementation of the harvest prescription for these options will include one or more of the following: <ul style="list-style-type: none"> ▪ Strip harvest pattern would be associated with a uniform harvest pattern using careful logging techniques where a minimum of 50% or greater of the mature stems would be retained in both traveled and leave strips and efforts made to maintain as much of the advance regeneration as possible. ▪ Patch harvest is associated with harvest techniques where individual harvested areas do not exceed five (5) hectares in size and where the total area left uncut must equal or exceed total cut area. Larger areas of contiguous forest cover on the top of elevated hills encompassing suitable habitat within the reserve area will be maintained where possible. Attempt will be made to maintain width of cut areas to less than 400m and final consideration will be given to the result of the modified cutting in the reserve area (i.e. appropriate protection remains). This pattern must be assessed by a biologist and pre-approved for implementation by MNR. ▪ Partial harvest areas would be associated with a random harvest pattern using careful logging techniques where a minimum of 50% or greater of 				

existing canopy cover is retained and efforts made to maintain as much of the advance regeneration as possible in the understory.

Return Cut:

- If late winter habitat will be adequate in the area, a return cut of shelter patches can occur when nearby regeneration has reached 3 metres in height.
- If late winter habitat will be inadequate in the area, a return cut of shelter patches will not be considered until nearby adjacent regeneration has reached 6 metres in height thereby providing overhead cover for Moose.
- Return harvest plan to be assessed by a biologist and approved by MNR prior to commencement of operations.

Renewal:

- Renewal treatments will consider a combination of natural regeneration, artificial regeneration and mixedwood management treatment options appropriate to actual individual site conditions.
- An assessment of the area of concern pre and post harvest will guide the selection of the silvicultural treatment package (i.e. success in maintaining understory component of conifer species such as white spruce and black spruce). Site preparation, regeneration and maintenance treatments will also be considered in the context of moose habitat that surrounds the harvested site.
- Artificial regeneration of modified area must first consider white and black spruce species where moose cover is, or will be, in short supply and where it is deemed silviculturally and ecologically sound.

Source:

2006 -2011 Timiskaming Forest Management Plan

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
LWR	Group	Late Winter Moose Habitat Reserve		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: <ul style="list-style-type: none"> Variable size and configuration as defined on Areas of Operation maps. 		Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i>	Operational Road/Landing Conditions <i>(Yes/No)</i>	Forestry Aggregate Pit Conditions <i>(Yes/No)</i>
		Yes	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
Harvest, Renewal and/or Tending Operations: <ul style="list-style-type: none"> No harvesting allowed within the specified reserve. 				
Source: 2006 -2011 Timiskaming Forest Management Plan				
Exception: No				

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
ML	Group	Moose Mineral Licks		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> • 120 m radius AOC measured from the edge of woody vegetation averaging at least 2 m tall and with > or equal to 25% canopy cover. • Natural mineral licks known or encountered during operations. Excludes mineral licks created by salt accumulation along roadways. 		<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		No	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
<p>Harvest, Renewal and/or Tending Operations:</p> <ul style="list-style-type: none"> • No harvest, renewal, or tending operations are permitted within the AOC. 				
<p>Source: OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen’s Printer for Ontario. 211 pp.</p>				
<p>Exception: No</p>				

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE														
OS	Group	Osprey Nests														
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES												
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> 75-300 m radius AOC based on nest category as follows: <table border="1" data-bbox="283 617 1060 1055"> <thead> <tr> <th>AOC Identifier</th> <th>Category</th> <th>Radius of AOC</th> </tr> </thead> <tbody> <tr> <td>OS1</td> <td>Osprey Primary Nests</td> <td>300 m</td> </tr> <tr> <td>OS2</td> <td>Osprey Alternate Nests</td> <td>150 m</td> </tr> <tr> <td>OS3</td> <td>Osprey Inactive Nests</td> <td>75 m</td> </tr> </tbody> </table> <p>Please review the prescription details under the <i>Harvest, Renewal and/or Tending Operations</i> section below.</p> <p>A. Osprey Primary Nests (OS1)</p> <ul style="list-style-type: none"> 300 m radius AOC centered on primary nests. Nests known or suspected to have been occupied (see glossary for definitions) at 		AOC Identifier	Category	Radius of AOC	OS1	Osprey Primary Nests	300 m	OS2	Osprey Alternate Nests	150 m	OS3	Osprey Inactive Nests	75 m	<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		AOC Identifier	Category	Radius of AOC												
		OS1	Osprey Primary Nests	300 m												
OS2	Osprey Alternate Nests	150 m														
OS3	Osprey Inactive Nests	75 m														
No	Yes	Yes														
<p><i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i></p>																

least once within the past 5 years (i.e., active nests), unless the nest and all associated nests within the nesting area have been documented as unoccupied for > or equal to 3 consecutive years, in which case the nest is considered inactive. When > or equal to 2 active nests occur in sufficiently close proximity to be considered part of the nesting area of an individual pair, the nest with the most recent known or suspected history of occupancy within this nesting area is the primary nest; the other active nest(s) is (are) considered alternate nests.

- When inventory data are insufficient to determine which nest in a nesting area has been most recently occupied, the nest in the best condition is considered the primary nest.
- Direction applies to nests known before, or found during, operations.
- Nest within 1,600 m radius of each other will be considered part of a single nesting area with one primary nest.

B. Osprey Alternate Nests (OS2)

- 150 m radius AOC centered on alternate nests.
- Nests known or suspected to have been occupied at least once within the past 5 years that are not primary nests, unless the nest and all associated nests within the nesting area have been documented as unoccupied for > or equal to 3 consecutive years, in which case the nest is considered inactive.
- Direction applies to nests known before, or found during, operations.

C. Osprey Inactive Nests (OS3)

- 75 m radius AOC centered on inactive nests.
- Nests not known or suspected to have been occupied at least once within the past 5 years.

<ul style="list-style-type: none"> • Primary and alternate nests within nesting areas where all nests within the nesting area have been documented as unoccupied for > or equal to 3 consecutive years. • Direction applies to nests known before, or found during operations. <p><i>Note:</i></p> <ul style="list-style-type: none"> • Initial prescription will use the best available information (i.e. suspected to be occupied) to symbolize the nest site at the time of preparation of the 'Areas Selected for Operations' maps. • Where it is determined during active forest operations that the species is different than the species first identified and documented in the FMP, the <i>Changes to Operations Protocol</i> describe in Module 12 of the Implementation Toolkit will be initiated. 	
<p>Harvest, Renewal and/or Tending Operations:</p> <p>A. Osprey Primary Nests (OS1)</p> <ul style="list-style-type: none"> • Harvest, renewal, and tending operations are permitted within the AOC subject to timing restrictions (see below) and the following conditions: <ul style="list-style-type: none"> ○ Harvest is not permitted within 150 m of primary nests. ○ Regular harvest is permitted within 151-300 m of primary nests subject to residual pattern requirements as per conditions and procedures in the Module 8 of the Implementation Toolkit. ○ Renewal and tending operations that will leave a residual stand structure below the minimum described above are not permitted; all other renewal and tending operations are permitted. • If harvest occurs within 150 m of a primary nest prior to its discovery, an additional patch of unharvested forest equivalent to the area harvested will be retained, preferably attached to the remaining unharvested forest surrounding the nest (to provide a supply of potential nest and roost trees). • Wildlife trees and downed woody material will be retained within harvested portions of the AOC as per general direction in Module 8 of the Implementation Toolkit. Wildlife trees that may function as potential nest, perch, and roost sites will be preferentially retained based on the following order of priority: 1) supercanopy trees, 2) veteran trees, 3) cavity trees and 4) other live dominant or co-dominant trees that are windfirm. White pines, red pines, and poplars will be favoured when available. 	

- Harvest, renewal, and tending operations are not permitted within 75 to 300 m of occupied primary nests during the critical breeding period defined as April 15th to August 31st, based on potential impact of the operation described in the table below. However, there is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the drivable road predates the nest. The following two extraordinary circumstances associated with forest management activity will be permitted with written rationale and MNR approval:
 1. where there are conflicting timing restrictions on operations during critical period (e.g. delays to hauling operations that would require removal of water crossings during restricted period, winter or limited access to conduct silvicultural activities)
 2. there is a high risk that merchantability of wood will be compromised (e.g. skidding of wood harvested in AOC prior to the discovery of a nest site, or wood remaining at roadside through the AOC)

These two extraordinary circumstances are considered situations that would result in unacceptable socio-economic or environmental consequences and the modified activities are unlikely to have an adverse effect on the objectives of the direction noted above.

- To determine the ‘potential impact’ classification relevant to the scheduled forest management operations, refer to Module 14 of the Implementation Toolkit for the *Potential Impact Assessment Key*. Results from the assessment key will dictate the potential impact classification listed below.

Potential impact	No operations within
High	300 m
Moderate	150 m
Low	75 m

B. Osprey Alternate Nests (OS2)

- Harvest is not permitted within 150 m of alternate nests.
- If harvest occurs within 150 m of an alternate nest prior to its discovery, an additional patch of unharvested forest equivalent to the area harvested will be retained, preferably attached to the remaining unharvested forest surrounding the nest (to provide a supply of potential nest and roost trees).
- Wildlife trees and downed woody material will be retained within harvested portions of the AOC as per conditions and procedures in Module 8 of the Implementation Toolkit. Wildlife trees that may function as potential nest, perch, and roost sites will be preferentially retained based on the following order of priority: 1) supercanopy trees, 2) veteran trees, 3) cavity trees and 4) other live dominant or co dominant trees that are windfirm. White pines, red pines, and poplars will be favoured when available.

C. Osprey Inactive Nests (OS3)

- Harvest is not permitted within 75 m of inactive nests.
- Wildlife trees and downed woody material will be retained within harvested portions of the AOC as conditions and procedures in Module 8 of the Implementation Toolkit. Wildlife trees that may function as potential nest, perch, and roost sites will be preferentially retained based on the following order of priority: 1) supercanopy trees, 2) veteran trees, 3) cavity trees and 4) other live dominant or co dominant trees that are windfirm. White pines, red pines, and poplars will be favoured when available.

Source:

OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen's Printer for Ontario. 211 pp.

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
PF	Group	<p>Peregrine Falcon Traditional Nest Sites described as follows:</p> <ol style="list-style-type: none"> 1. Natural cliff faces on which peregrine falcons are currently nesting, or have nested on at any time during the previous 15 years, excluding any part of the cliff face where the top of the cliff face is less than 15 metres above the base of the cliff face 2. The area within one kilometre of an area described above 3. An artificially created cliff face, such as a vertical or very steep rock cut in an open pit mine, on which a peregrine is nesting 4. A nesting site on a building or other structure that is being used by a peregrine falcon or was used by a peregrine falcon at any time during the previous two years, and the area on the outside surface of the building or structure that is within 10 metres of the nesting site 5. An area that is on or within 200 metres of the area described in paragraph 4 6. Any additional area that is currently or habitually used by peregrine falcons, such as roosting and perching sites 		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> • 1000 m radius AOC placed around all natural cliff face on which a peregrine falcon is currently nesting, or on which a peregrine falcon has nested anytime during the previous 15 years • 1000 m radius AOC placed around all artificially created cliff faces on which a peregrine falcon is nesting • 200 m radius AOC placed around all buildings and structures on which a peregrine falcon is nesting, or has nested within the previous 2 years 		<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		No	Yes	Yes
		<p><i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i></p>		

Harvest, Renewal and/or Tending Operations:

- Harvest, renewal and tending operations are not permitted within the AOC.
- The critical breeding is March 15 – August 15 for the Peregrine Falcon.

Source:

OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen's Printer for Ontario. 211 pp.

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
PSW	Group	Wetlands or wetland complexes identified as provincially significant based on the Ontario Wetland Evaluation System		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: <ul style="list-style-type: none"> • 120 m AOC surrounding the delineated PSW. 		Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i>	Operational Road/Landing Conditions <i>(Yes/No)</i>	Forestry Aggregate Pit Conditions <i>(Yes/No)</i>
		No	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
Harvest, Renewal and/or Tending Operations: <ul style="list-style-type: none"> • No contamination of PSW's by foreign materials is permitted. Specifically, <ul style="list-style-type: none"> ○ The use and storage of fuels will be carried out in accordance with the Liquid Fuels Handling Code. ○ No equipment maintenance (e.g., washing or changing oil) is permitted within 30 m of PSW's. • Aerial application of pesticides for renewal, tending, or protection is permitted within the AOC but will: <ul style="list-style-type: none"> ○ Follow spray buffer zones for significant areas or sensitive areas (as appropriate) as prescribed in the Ontario Ministry of Environment/Ontario Ministry of Natural Resources Buffer Zone Guidelines for Aerial Application of Pesticides in Crown Forests of Ontario (1992). ○ Machine-based ground application of herbicides (e.g., air-blast sprayers mounted on skidders) is permitted within the AOC; spray buffer zones will be 30 m for significant areas and 60 m for sensitive areas. ○ Hand-based ground application of herbicides (e.g., back-pack sprayers) is permitted within the AOC; spray buffer zones will be 3 m. ○ All spray buffer zones will be measured from the inner boundary of the AOC. ○ Bt, when used for the purpose of forest protection will be applied as directed (no restrictions) 				
Source: OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen's Printer for Ontario. 211 pp.				
Exception: No				

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
RECTRAIL	Group	Recreational Trails		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
<p>Reserve/Modified Dimensions:</p> <p><i>RECTRAIL - Land-based recreational trails (e.g. snowmobile trails, other trails under LUP)</i></p> <ul style="list-style-type: none"> 0 to 20 metres from the edge of the travelled portion of the recreational trail. (This may not necessarily include standing timber.) 		<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		No	Yes	Yes
		<p><i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i></p>		
<p>Harvest, Renewal and/or Tending Operations:</p> <p><i>RECTRAIL1 - Land-based recreational trails (e.g. snowmobile trails, other trails under LUP)</i></p> <ul style="list-style-type: none"> Area of concern measured from cleared or travelled edge of selected recreational trails ranging between 0 metres (i.e. trail protected but no standing timber reserve) and 20 metres (i.e. standing timber or enhanced renewal treatment) in width. Protection of some recreational trails is provided by other AOC prescriptions. Values associated with established recreational trails may be associated with tourism and/or trapper values. Harvesting is permitted within trail area. Following operations, recreational trails will be cleared to the same or better condition than originally encountered (i.e. includes slash piling and site preparation treatments). Ensure trail entrances and exits into harvest blocks remain cleared and that trail remains functional following operations. 				
<p>Source: Issue resolution decision from the Kirkland Lake District Manager (lead district) and Timmins District Manager</p>				
<p>Exception: No</p>				

Note:

TABLE 10 - OPERATIONAL PRESCRIPTIONS FOR AREAS OF CONCERN

AOC Identifier: <i>RES</i>	Description of Value (s): <u>Residential Area or Permanent Residence</u>	
Reserve	Harvest, Renewal and/or Tending Operations	Tertiary Road Conditions
100 m	A 100 m “no harvest” reserve will be maintained around all permanent residences.	No roads will be constructed within the 100 m no harvest reserve
Objection <input type="checkbox"/>		
Monitoring Program	N/A	
Primary/Secondary Road	N/A	

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
RN	Group	Nests Of Great Gray Owl or Northern Goshawk		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
<p>Reserve/Modified Dimensions:</p> <p>A. Primary Nests Of Great Gray Owl or Northern Goshawk</p> <ul style="list-style-type: none"> • 400 m radius AOC centered on primary nests. • Nests known or suspected to have been occupied at least once within the past 5 years (i.e., active nests) unless the nest and all associated nests within the nesting area have been documented as unoccupied for > or equal to 3 consecutive years, in which case the nest is considered inactive. When \geq or equal to 2 active nests occur in sufficiently close proximity to be considered part of the nesting area of an individual pair, the nest with the most recent known or suspected history of occupancy within this nesting area is the primary nest; the other active nest(s) is(are) considered alternate nests. • When inventory data are insufficient to determine which nest in a nesting area has been most recently occupied, the nest in the best condition is considered the primary nest. • Direction applies to nests known before, or found during, operations. • Nest within 400 m radius will be considered part of a single nesting area with one primary nest. <p>B. Alternate Nests Of Great Gray Owl or Northern Goshawk</p> <ul style="list-style-type: none"> • 50 m radius AOC centered on alternate nests. 		<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		No	Yes	Yes
		<p><i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i></p>		

<ul style="list-style-type: none"> • Nests known or suspected to have been occupied (see glossary for definitions) at least once within the past 5 years that are not primary nests (see Primary Nests), unless the nest and all associated nests within the nesting area have been documented as unoccupied for \geq or equal to 3 consecutive years, in which case the nest is considered inactive. • Any nest in good repair within 400 m of primary nests. • Direction applies to nests known before, or found during, operations. <p><i>Note:</i></p> <ul style="list-style-type: none"> • Initial prescription will use the best available information (i.e. suspected to be occupied) to symbolize the nest site at the time of preparation of the ‘Areas Selected for Operations’ maps. • Where it is determined during active forest operations that the species is different then the species first identified and documented in the FMP, the <i>Changes to Operations Protocol</i> describe in Module 12 of the Implementation Toolkit will be initiated. 	
<p>Harvest, Renewal and/or Tending Operations:</p> <p>A. Primary Nests Of Great Gray Owl or Northern Goshawk</p> <ul style="list-style-type: none"> • When mature forest is retained as suitable nesting habitat within the AOC, to the extent practical and feasible, <ul style="list-style-type: none"> ○ Suitable nesting habitat will be retained as a contiguous patch that encompasses the primary nest and any alternate nests. ○ Suitable nesting habitat will be retained as a circular patch centered on the primary nest (300 m radius circle) if the primary nest occurs in a large uniform block of habitat. Suitable nesting habitat will be retained as an irregularly-shaped patch (contained within the 400 m AOC) if this configuration better encompasses primary and alternate nests as well as preferred habitat. • Harvest is permitted within the 400 m radius AOC subject to the following conditions: <ul style="list-style-type: none"> ○ A total of 28 ha of suitable nesting habitat will be retained within the AOC¹. <ul style="list-style-type: none"> ▪ Harvest is not permitted within 150 m of a primary nest (i.e. 7 ha). ▪ Harvest that retains residual forest (see Module 8 of the Implementation Toolkit) is permitted within 151-300 m of nest (i.e. 21 ha), and will be mature forest with a relatively uniform canopy closure \geq or equal to 50%² and a maximum size of canopy gaps $<$ or equal 	

to 0.1 ha. (Note: Northern Goshawk only - Harvest that changes development stage, reduces canopy closure below 50%², or creates canopy gaps >0.1 ha is not permitted within 200 m of the primary nest.)

- Harvest is permitted within 301-400 m of nest but is subject to timing restrictions during the critical breeding period defined as March 15th to July 15th.
- If some harvest occurs within 50 m of a primary nest prior to its discovery, the primary nest will be retained in a 0.8 ha unharvested patch that is as nearly circular as possible (to minimize edge).

¹*The 50 m radius (0.8 ha) patch(es) of unharvested forest surrounding the primary nest (and any alternate nests) contribute(s) to the 28 ha patch of suitable nesting habitat.*

²*Based on dominant and co dominant trees. No harvest is permitted if initial canopy closure is less than this minimum.*

- Wildlife trees and downed woody material will be retained within harvested portions of the AOC as per conditions and procedures in Module 8 of the Implementation Toolkit.
- Within the entire AOC, renewal and tending operations that will leave a residual stand structure below the minimum described above are not permitted; all other renewal and tending operations are permitted subject to timing restrictions during the critical breeding period defined as March 15th to July 15th.
- Harvest, renewal, and tending operations are not permitted within 50-200 m of occupied primary nests during the critical breeding period based on potential impact of the operation described in the table below. However, there is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the drivable road predates the nest. The following two extraordinary circumstances associated with forest management activity will be permitted with written rationale and MNR approval:
 1. where there are conflicting timing restrictions on operations during critical period (e.g. delays to hauling operations that would require removal of water crossings during restricted period, winter or limited access to conduct silvicultural activities)
 2. there is a high risk that merchantability of wood will be compromised (e.g. skidding of wood harvested in AOC prior to the discovery of a nest site, or wood remaining at roadside through the AOC)

These two extraordinary circumstances are considered situations that would result in unacceptable socio-economic or environmental consequences and the modified activities are unlikely to have an adverse effect on the objectives of the direction noted above.

- To determine the ‘potential impact’ classification relevant to the scheduled forest management operations, refer to Module 14 of the Implementation Toolkit for the *Potential Impact Assessment Key*. Results from the assessment key will dictate the potential impact classification listed below.

Potential impact ¹	No operations within
High	200 m
Moderate	100 m
Low	50 m

B. Alternate Nests of Great Gray Owl or Northern Goshawk

- Harvest is not permitted within the AOC. If some harvest occurs within 50 m of an alternate nest prior to its discovery, the alternate nest will be retained in a 0.8 ha unharvested patch that is as nearly circular as possible (to minimize edge).
- Renewal and tending operations that kill or knock down any trees are not permitted; all other renewal and tending operations are permitted.
- No timing restrictions on renewal or tending operations around alternate nests.

Source:

OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen's Printer for Ontario. 211 pp.

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE														
SN	Group	Stick Nests Occupied By Barred Owl, Broad-Winged Hawk, Common Raven, Cooper’s Hawk, Great Horned Owl, Long-Eared Owl, Merlin, Red-Tailed Hawk or Sharp-Shinned Hawk														
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES												
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> 50-200 m radius AOC centered on the occupied nest based on species as follows: <table border="1" data-bbox="281 651 1022 1053"> <thead> <tr> <th>AOC Identifier</th> <th>Species</th> <th>Radius of AOC</th> </tr> </thead> <tbody> <tr> <td>SN1</td> <td>Common Raven, Merlin, Sharp-Shinned Hawk or Unidentified</td> <td>50 m</td> </tr> <tr> <td>SN2</td> <td>Broad-Winged Hawk, Cooper’s Hawk, Great Horned Owl, Long-Eared Owl, Red-Tailed Hawk</td> <td>100 m</td> </tr> <tr> <td>SN3</td> <td>Barred owl</td> <td>200 m</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Nests known or suspected to be occupied by the Barred Owl, Broad-Winged Hawk, Common Raven, Cooper’s Hawk, Great Horned Owl, Long-Eared Owl, Merlin, Red-Tailed Hawk or Sharp-Shinned Hawk. Direction applies to nests known before, or found during operations. Initial prescription will use the best available information (i.e. suspected to be occupied) to symbolize the nest site at the time of preparation of the Areas 		AOC Identifier	Species	Radius of AOC	SN1	Common Raven, Merlin, Sharp-Shinned Hawk or Unidentified	50 m	SN2	Broad-Winged Hawk, Cooper’s Hawk, Great Horned Owl, Long-Eared Owl, Red-Tailed Hawk	100 m	SN3	Barred owl	200 m	<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		AOC Identifier	Species	Radius of AOC												
		SN1	Common Raven, Merlin, Sharp-Shinned Hawk or Unidentified	50 m												
SN2	Broad-Winged Hawk, Cooper’s Hawk, Great Horned Owl, Long-Eared Owl, Red-Tailed Hawk	100 m														
SN3	Barred owl	200 m														
No	Yes	Yes														
<p><i>If “Yes”, refer to FMP 19/Supplemental Documentation for Roads</i></p>																

Selected for Operations Maps. Where it is determined during active forest operations that the species is different than the species first identified and documented in the FMP, the *Changes to Operations Protocol* describe in Module 12 of the Implementation Toolkit will be initiated.

Harvest, Renewal and/or Tending Operations:

Regular harvest, renewal, and tending operations are permitted around nests subject to timing restrictions (see below) and:

Species	Retain
Broad-Winged Hawk, Merlin, Sharp-Shinned Hawk	The nest tree will be retained as a sharp-shinned hawk wildlife tree if the nest is in good repair or the nest tree contains a good fork (refer to glossary in CRO's Toolkit).
Barred Owl, Cooper's Hawk, Common Raven, Great Horned Owl, Long-Eared Owl, Red-Tailed Hawk	The nest tree will be retained in an unharvested residual patch (> or equal to 20 m owl, long-eared owl, red-tailed radius) if the nest is in good repair (may be counted as residual forest). Otherwise, the nest tree will be retained as a wildlife tree.

- Harvest, renewal, and tending operations are not permitted within 10-200 m of occupied nests during the critical breeding described below based on species and potential impact of the operation described in the table below. However, there is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the drivable road predates the nest. The following two extraordinary circumstances associated with forest management activity will be permitted with written rationale and MNR approval:
 1. where there are conflicting timing restrictions on operations during critical period (e.g. delays to hauling operations that would require removal of water crossings during restricted period, winter or limited access to conduct silvicultural activities)
 2. there is a high risk that merchantability of wood will be compromised (e.g. skidding of wood harvested in AOC prior to the discovery of a nest site, or wood remaining at roadside through the AOC)

These two extraordinary circumstances are considered situations that would result in unacceptable socio-economic or environmental consequences and the modified activities are unlikely to have an adverse effect on the objectives of the direction noted above.

- To determine the ‘potential impact’ classification relevant to the scheduled forest management operations, refer to Module 14 of the Implementation Toolkit for the *Potential Impact Assessment Key*. Results from the assessment key will dictate the potential impact classification listed below.

AOC Identifier	Species	Timing restriction (m)		
		High Impact Operations	Moderate Impact Operations	Low Impact Operations
SN1	Common Raven, Merlin, Sharp-Shinned Hawk, or Unidentified	50 m	25 m	10 m
SN2	Broad-Winged Hawk, Cooper’s Hawk, Great Horned Owl, Long-Eared Owl, Red-Tailed Hawk	100 m	50 m	25 m
SN3	Barred Owl	200 m	100 m	50 m

- The critical breeding period is defined as:
 - February 1st to May 31st for great horned owl;
 - February 15th to June 15th for common raven;
 - March 15th to July 15th for barred owl, long-eared owl, and red-tailed hawk; and
 - April 1st to July 31st for broad-winged hawk, Cooper’s hawk, merlin, and sharp-shinned hawk.

Source:

OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen's Printer for Ontario. 211 pp.

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
ST	Group	Structures (non LUP)		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: <ul style="list-style-type: none"> • 20 metres modified operation area 		Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i>	Operational Road/Landing Conditions <i>(Yes/No)</i>	Forestry Aggregate Pit Conditions <i>(Yes/No)</i>
		No	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
Harvest, Renewal and/or Tending Operations: <ul style="list-style-type: none"> • Harvesting will be permitted within the area of concern to address wind firmness and/or public safety concerns extending around permitted structure. Remove merchantable standing timber within the 20 metres modified maintaining advance regeneration. • Protection of some structures is provided by other existing AOC prescriptions (e.g. trapper cabin often located in slope dependant reserve). 				
Source: 2006 -2011 Timiskaming Forest Management Plan				
Exception: No				

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
VM	Group	Viewscape Management Area		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: <ul style="list-style-type: none"> • Variable size and configuration as defined on Area Selected for Operations Maps 		Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i>	Operational Road/Landing Conditions <i>(Yes/No)</i>	Forestry Aggregate Pit Conditions <i>(Yes/No)</i>
		No	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
Harvest, Renewal and/or Tending Operations: <ul style="list-style-type: none"> • Variable width standing timber reserve to protect values associated with lakes where established resource-based tourism exists • Protection of some views is provided by other existing AOC prescriptions. • Shape and extent of the reserve will be based on viewscape analysis results • Modified harvesting using a combination of strip, patch or selective harvest options for maximizing the protection of the viewscape. Unharvested areas may not necessarily be established in uniform harvest patterns but rather to protect the view while allowing adaptation to actual site conditions. • Where a viewscape management area is the selected prescription, then the following specific block prescription will be applied for the designated areas (note that the implementation of the harvest prescription would be based on results of the Visibility Analysis at the pre-harvest condition); • Viewscape analysis results are categorized as follow; <p><u>Possible Viewscape Impact</u></p> <p>Normal operations will be allowed in these areas unless the harvest area has the potential to compromise the viewscape.</p> <ol style="list-style-type: none"> i. Clearcut harvest permitted where this condition is met. ii. Efforts will be made to maintain larger forest cover areas on the top of elevated hills within the reserve area. iii. Attempt will be made to maintain viewscape from harvest areas with final consideration given to ensuring appropriate and intended viewscape protection remains. <p><u>Probable Viewscape Impact</u></p>				

Operations within these areas have a higher probability of compromising the viewscape. A modified harvest or normal harvest will be allowed in these areas if the integrity of the view from the desired lakes can be protected. One or a combination of the following approaches can be used for modified operations:

- center line of strips will be evenly distributed in consideration of the safe operating limits of felling equipment. It is the intent to establish centerlines to permit for harvesting by felling equipment available on site in an even number of passes in and out of the strip. The centreline of strips will range from 80 metres to a maximum of 100 metres apart dependent upon reach of equipment (i.e. primarily mechanized operations).
- strips will consist of cut and uncut areas approximately 50 metres in width (i.e. min. 15 m , max. 50 m) and allow for an even number of harvest passes
- where it does not pose a safety risk during harvest and subsequent site preparation activities, strip clear cuts will run in the general direction of the slope (i.e. parallel to adjacent shorelines)
- the initial baseline direction is provided in FMP on the 'area selected for operations' map, field staff will utilize this reference line to determine final layout configuration. The maps will provide this baseline perpendicular to direction for which visibility is to be tested
- cross-over strips at the end of strips are allowed to facilitate skidding operations and will be configured to limit impact on the prescribed viewscape
- where operations can not proceed safely in this manner (i.e. due to steep slopes), no harvesting will occur
- strips will be cleared entirely of trees to allow renewal activities (i.e. SIP, tending) up to a maximum of 60 metres in width
- requirement to retain snag trees will be met in the uncut areas
- Assessment of the view will be made as harvesting of the individual strip progresses. Harvesting of a cut strip will cease at the first sign that the identified lake can be seen from the feller operator vantage point. This will ensure that the viewscape is maintained based on a site specific cut strip width that reflects local topography.
- Specifically for partial harvest areas as a random harvest pattern using careful logging techniques where the canopy cover is equal to or greater than 50%, efforts should be made to maintain as much of the advance regeneration as possible in the understory (primarily an option when stand cover is predominately deciduous). Shelterwood or uniform shelterwood system (i.e. white pine) can also be utilized to maintain the integrity of the view.

Source:

2006 -2011 Timiskaming Forest Management Plan

Exception: No

Note:

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
WD	Group	Wolf Dens		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
<p>Reserve/Modified Dimensions:</p> <ul style="list-style-type: none"> • 200 m radius AOC centered on the den entrance. • Suitable dens known or suspected to have been occupied by wolves at least once within the past 5 (northern grey wolf) or 10 years (eastern wolf). • Direction applies to dens known before, or found during, operations. 		<p>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></p>	<p>Operational Road/Landing Conditions <i>(Yes/No)</i></p>	<p>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></p>
		No	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
<p>Harvest, Renewal and/or Tending Operations:</p> <ul style="list-style-type: none"> • Harvest, renewal, and tending operations are permitted within the AOC subject to timing restrictions during the denning period for wolves between April 15th to July 15th and with the following conditions: <ul style="list-style-type: none"> ○ Harvest is not permitted within 100 m of dens. ○ Regular harvest is permitted within 101-200 m of dens subject to residual pattern, wildlife tree, and downed woody material requirements as per conditions and procedures described in Module 8 of the Implementation Toolkit. ○ Renewal and tending operations that will leave a residual stand structure below the minimum described above are not permitted; all other renewal and tending operations are permitted. • Harvest, renewal, and tending operations are not permitted within the AOC during the denning period, except in extraordinary circumstances as specifically identified and justified through the FMP AOC planning process. 				
<p>Source: OMNR. 2010. Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales. Toronto: Queen’s Printer for Ontario. 211 pp.</p>				
<p>Exception: No</p>				

Note:

TABLE 10 - OPERATIONAL PRESCRIPTIONS FOR AREAS OF CONCERN

<p>AOC Identifier:</p> <p><i>W</i></p>	<p>Description of Value (s):</p> <p><u>Municipal Water Treatment Plant</u></p>	
<p>Reserve</p>	<p>Harvest, Renewal and/or Tending Operations</p>	<p>Tertiary Road Conditions</p>
<p>Reserve (slope dependent) of 500 metres around the treatment plant</p> <p>200 metres reserve from high water mark of source waterbody</p>	<ul style="list-style-type: none"> No forest operations permitted within the AOC 	<p>Tertiary roads cannot cross through an AOC.</p>
<p>Objection <input type="checkbox"/></p>		
<p>Monitoring Program</p>	<p>N/A</p>	
<p>Primary/Secondary Road</p>	<p>N/A</p>	

FMP – 10 Operational Prescriptions for Areas of Concern

AOC OR AOC GROUP IDENTIFIER	INDIVIDUAL OR GROUP AOC	DESCRIPTION OF NATURAL RESOURCE FEATURE, LAND USE or VALUE		
WPW	Individual	Whip-poor-will habitat described as follows: <ul style="list-style-type: none"> Whip-poor-will habitat known or suspected to be occupied by a breeding pair and areas known or suspected to have been occupied within the last 4 years Direction applies to habitats known before, or found during operations 		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: <ul style="list-style-type: none"> 125m radius AOC placed around all known Whip-poor-will locations (including nesting, perching and roosting sites) within a single breeding territory. The radius may be offset from centre to include a mix of both forested and non-forested terrain. 125m radius AOC placed around all suspected Whip-poor-will locations (based on breeding bird calls) within a single breeding territory. The radius may be offset from centre to include a mix of both forested and non-forested terrain. 		Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i>	Operational Road/Landing Conditions <i>(Yes/No)</i>	Forestry Aggregate Pit Conditions <i>(Yes/No)</i>
		No	Yes	Yes
		<i>If "Yes", refer to FMP 19/Supplemental Documentation for Roads</i>		
Harvest, Renewal and/or Tending Operations: <ul style="list-style-type: none"> Harvest, renewal and tending operations are not permitted within the AOC The critical breeding period is May 1st to August 31st 				
Source: Provincial Forest Management Species at Risk Biologist				
Exception: No				

Note:

Appendix 5

Operational Block Inspection Compliance Report



Forest Operations Inspection Report

Ministry of
Natural Resources

Short Description			
General Info			
Inspection Number		Compliance Status	
Operation		Method	
FMU		Non Licensee Related	
License		Joint Inspection	
Approval		Map On File	
Compliance Reporting Area			
Other Location			
UTM Location	N/A		
Base Map			
Township			
Contractor			
Inspection Status			
Work Status		Fiscal Year	
Inspected by		Inspected on	

Issues	
Issue #	
Type	
Short Description	
Verify by Date	
Comment	

Area of Concern

	No Operational Issue	Operational Issue
Have prescriptions in the AWS or FMP been followed?	<input type="checkbox"/>	<input type="checkbox"/>
Have timing restrictions been met?	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

Cutting

	No Operational Issue	Operational Issue
Have prescriptions in the AWS or FMP been followed?	<input type="checkbox"/>	<input type="checkbox"/>
Have operations been within approved boundary?	<input type="checkbox"/>	<input type="checkbox"/>
Has cutting proceeded with authority?	<input type="checkbox"/>	<input type="checkbox"/>
Have only authorized species been cut?	<input type="checkbox"/>	<input type="checkbox"/>
Has residual stand been protected?	<input type="checkbox"/>	<input type="checkbox"/>
Has site disturbance occurred (i.e., rutting)?	<input type="checkbox"/>	<input type="checkbox"/>
Is treatment in accordance with the forest operation prescriptions?	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

Fire Prevention

	No Operational Issue	Operational Issue
Are there an adequate number of fire trained personnel on site?	<input type="checkbox"/>	<input type="checkbox"/>
Are there adequate amounts of serviceable fire suppression equipment readily available?	<input type="checkbox"/>	<input type="checkbox"/>
Are appropriate communications capabilities on site?	<input type="checkbox"/>	<input type="checkbox"/>
Have operations followed the Modifying Industrial Operations Protocol?	<input type="checkbox"/>	<input type="checkbox"/>
Has machinery been checked for flammable material or removed/disposed of safely?	<input type="checkbox"/>	<input type="checkbox"/>
Has mechanical equipment been parked in area free of flammable material?	<input type="checkbox"/>	<input type="checkbox"/>
Are appropriate spark arrestors/mufflers on all wood burning appliances/equipment?	<input type="checkbox"/>	<input type="checkbox"/>
Are there appropriate serviceable fire extinguishers for all equipment/chain saws?	<input type="checkbox"/>	<input type="checkbox"/>
Are power saws placed in a fire safe area or not started within a refuelling area?	<input type="checkbox"/>	<input type="checkbox"/>
Is the worksite free of smoking during walking/working and are materials extinguished in a safe manner?	<input type="checkbox"/>	<input type="checkbox"/>
Have burning regulations been followed?	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

Utilization

	No Operational Issue	Operational Issue
Are operations in compliance with the utilization standards?	<input type="checkbox"/>	<input type="checkbox"/>
Were high stumps noted, and if so were they in compliance with the standard?	<input type="checkbox"/>	<input type="checkbox"/>
Has all merchantable timber of any length been utilized?	<input type="checkbox"/>	<input type="checkbox"/>
Have all merchantable standing trees been utilized?	<input type="checkbox"/>	<input type="checkbox"/>
Are there no lodged trees?	<input type="checkbox"/>	<input type="checkbox"/>
Has all wood chip fibre been utilized?	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

Wood Measurement / Movement

	No Operational Issue	Operational Issue
Have conditions of Authority to Haul Unscaled Crown Forest Resources been followed?	<input type="checkbox"/>	<input type="checkbox"/>
Has Crown timber been scaled?	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

Road Construction

	No Operational Issue	Operational Issue
Is road located inside designated road corridor?	<input type="checkbox"/>	<input type="checkbox"/>
Is road built to the FMP requirements?	<input type="checkbox"/>	<input type="checkbox"/>
Is road properly drained?	<input type="checkbox"/>	<input type="checkbox"/>
Has road use strategy been followed in accordance to the FMP?	<input type="checkbox"/>	<input type="checkbox"/>
Is road clearing in accordance with CFSA requirements (re: wood utilization)?	<input type="checkbox"/>	<input type="checkbox"/>
Has traffic safety been considered (signage, sight lines, etc.)?	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

General

	No Operational Issue	Operational Issue
Has commercial – industrial garbage or waste been removed?	<input type="checkbox"/>	<input type="checkbox"/>
Have spills (oil changes, fuel, etc.,) been noted?	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

Appendix 6

Notes from Public Consultation (edited for Protection of Privacy)

Note to MNR

Re: Public Information Session; Natural Resource Management Strategy; Forest Management Plan

Further to the direction provided by the Ministry of Natural Resources, and discussion with TKL Council in December, 2010, a Public Information Session was convened on January 25, 2011. The goal of this session was to make the public aware of the process, timelines and municipal objectives of the plan and to display maps indicating the location of municipally-owned forest land.

A short presentation was made during which several questions were asked and discussion occurred (a copy of the presentation is attached).

We made it very clear that the focus of this session was on aspects of the plan that related to KL Municipal forest lands only. It was our understanding that Gauthier Twp are in the process of reviewing their portion of the Plan and that they expected to convene an information session specific to Gauthier properties.

The following specific comments and concerns were raised:

- Several individuals indicated that they would like to see the municipality consider outright sale of these properties rather than entering into harvesting agreements. This was also expressed in a written comment pointing out that once the land was sold, they would be taxable properties
- Some concern was expressed that it seemed inappropriate that the Town appeared to have decided that the areas would be harvested, despite the fact that the Natural Resources Strategy had not been completed. We indicated that the decision to harvest the timber had NOT been finalized, however this Forest Management Plan would guide the forestry activities IF such a decision was made.
- Concern that harvesting contractors and receiving mills would be selected through an open process. We indicated that there would be recognition of “local” mills and that both Cheminis Lumber and Rosko were considered to be local
- Some concern expressed about lack of shade trees within the town itself. The same individual expressed some interest and concern with the plan and how it might address climate change and greenhouse gases. It was pointed out to him that the commitment to regenerating the forest was a step in a positive direction as compared to the regeneration efforts on most private land in the area.

Appendix 7

Peer Review

Town of Kirkland Lake
Postal Bag 1757
3 Kirkland Street
Kirkland Lake, Ontario
P2N 3P4

Jan 4, 2012

Attention: Wilf Hass; Director of Economic Development and Tourism
Jeff Barton, R.P.F., Project Forester

Dear Mr. Hass and Mr. Barton:

Thank you for the opportunity of reviewing the Land Management Agreement for the municipally owned forest land in the Kirkland Lake area.

As a Professional Forester for over 40 years, I have spent the majority of my career in the Temiskaming area and believe that I am well qualified to review this document.

As noted in the plan, this document is really a hybrid of the Land Management Agreement requirements as developed by the District and the Provincially mandatory Forest Management Planning process. I understand that the goal of the document is to provide the Municipality with a framework through which they can evaluate options for the management of the forests as assets. This may include harvesting, however, does not necessarily indicate that harvesting is a foregone conclusion in the case where other options provide for better long term returns for the community.


I support the intention for the municipality to carry out further inventory collection and verification as it has been my experience that, as a result of previous forestry and mining activity, the inventory is often inaccurate at a stand level.

I agree with the silvicultural strategies and Area of Concern prescriptions.

In order harvesting to be carried out in an orderly and cost effective manner, I agree with the notion that an average harvest level is identified, but that harvesting of more than a single year's worth of harvesting may be carried out in a single year, followed by one or more year of inactivity.

As a Professional Forester and taxpayer in the Municipality, I encourage the Town to explore all options for management and applaud their commitment to this undertaking.

Sincerely,



Ron Magee, B.Sc.F., R.P.F.

REPORT TO COUNCIL

Meeting Date: 6/2/2020	Report Number: 2020-DEV-024
Presented by: Ashley Bilodeau	Department: Development Services

REPORT TITLE

Request to Lease Land - Across from 35 Premier Avenue East

RECOMMENDATION(S)

BE IT RESOLVED THAT Report Number 2020-DEV-024 entitled “**Request to Lease Land - Across 35 Premier Avenue East**”, be received,

THAT staff be directed to present a By-law to Council to enter into a Lease Agreement with the owners of 35 Premier Avenue East, and

THAT the Lease Agreement shall stipulate the requirement to keep the property in a good and tidy condition.

BACKGROUND

This report responds to a request from the owners of 35 Premier Avenue to lease municipal land across the street from their property at 35 Premier Avenue for the purpose of parking recreational vehicles.

RATIONALE

The land is unused vacant land and is located in a low traffic area. A subdivision agreement is registered to the east of the subject property; however, due to the terrain and lack of demand, it was never developed. If there is any intent to develop this land in the future, the lease agreement may be cancelled with 60 days' notice.

OTHER ALTERNATIVES CONSIDERED

The owner of 35 Premier Avenue had originally considered purchasing the property. With the potential for development to the east. It is recommended that Council proceed with the lease agreement as it is a temporary option and may lead to a sale in the future.

FINANCIAL CONSIDERATIONS

There is a one-time \$205.00 application fee to obtain a lease agreement, an additional fee of \$355.00 to draft the lease agreement and an annual revenue associated with the lease agreement of \$328.40 (subject to annual increases in accordance with the User Fees By-law) for a total of \$888.40 for the first year and the annual lease revenue every year thereafter.

RELATIONSHIP TO STRATEGIC PRIORITIES

The property owner has been parking recreational vehicles on the property without permission. It is in the Town's best interest to reduce liability and improve fiscal responsibility. The use of this land will be recognized through an active lease agreement.

Staff will be reviewing and recommending changes to the Lease and Encroachment Policy to establish better directives and guidance for the Town to consider when requested to lease land. This will bring the Town of Kirkland Lake in line with the draft strategic priorities that have been presented to Council.

ACCESSIBILITY CONSIDERATIONS

Not applicable.

CONSULTATIONS

Michel Riberdy – Manager of Public Works

ATTACHMENTS

Attachment 1 – Subject Property

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TOP](#)

Attachment 1





REPORT TO COUNCIL

Meeting Date: 6/2/2020	Report Number: 2020-DEV-026
Presented by: Ashley Bilodeau	Department: Development Services

REPORT TITLE

Request to Purchase – 2 Premier Avenue East

RECOMMENDATION(S)

BE IT RESOLVED THAT Report Number 2020-DEV-026 entitled “**Request to Purchase – 2 Premier Avenue East**”, be received,

THAT staff be directed to present a By-law to Council to authorize the Corporation of the Town of Kirkland Lake to enter into an agreement of purchase and sale for the property known as 2 Premier Avenue East to Rheal and Debbie Roy for a sale price of \$200.00,

THAT the purchase and sale agreement reflect that the Town of Kirkland Lake will waive the tipping fees associated with the demolition, and

THAT the purchase and sale agreement shall reflect a condition to demolish the building within one (1) month of transfer, and that failure to do so, will result in the municipality arranging for demolition and charging back to the property owner.

BACKGROUND

The property municipally known as 2 Premier Avenue East was recently vested to the municipality and was declared as surplus land at the March 24th, 2020 Council meeting. It was brought to the attention of Town staff that a portion of the building's roof had collapsed, and an Unsafe Order pursuant to subsection 15.9 (4) of the Building Code Act, 1992 and an Order Prohibiting Occupancy pursuant to subsection 15.9 (6) of the Building Code Act, 1992 was issued for the property on April 9th, 2020. The Order states that the property shall be fenced to restrict immediate access to the building, and that a building permit must be issued by April 30th, 2020 for demolition or replacement/reinforcement of the building.

Mr. Rheel Roy, owner of the adjacent property 116 Prospect Avenue (On the Road Again), has submitted a request to purchase this property. Mr. Roy has proposed to purchase the property for \$200.00 with the intent of demolishing the building within one month of purchase. Mr. Roy is further requesting that the Town waive the tipping fees. Mr. Roy's intent is to use the property for additional parking.

It is further recommended that failure to demolish the property within the specified timeframe (one-month) will result in the Town proceeding with demolition and charging any costs associated back to the property.

R A T I O N A L E

By selling this property at this time, the Town will no longer be responsible for demolishing the building and save approximately \$10,000.00 in associated costs.

O T H E R A L T E R N A T I V E S C O N S I D E R E D

Council may choose to continue with the demolition of the building and establish a proposed purchase and sale price equivalent to the demolition costs.

Council may also choose to fund the cost of a Demolition Permit.

F I N A N C I A L C O N S I D E R A T I O N S

The sale of this property would result in revenues of \$200.00 for the municipality and would generate annual taxes in future years. There is a cost savings of approximately \$10,000 associated with the demolition.

Mr. Roy has requested that the tipping fees be waived. There are financial implications associated with this proposed condition:

If not sold		If sold	
Demolition	\$10,000	Sale of Property	\$200
		Waive Tipping Fees	\$3,500
Cost to Municipality	\$10,000	Cost to Municipality	\$3,300

There is a savings of \$6,700, less the future sale price of the land which staff do not foresee selling for \$6,700.

If the Town does not proceed with the sale of the property, the Town will be responsible for the demolition of the building. It is unlikely that the Town will recuperate the \$10,000 in demolition costs from the future land sale.

RELATIONSHIP TO STRATEGIC PRIORITIES

Although a Strategic Plan has not yet been adopted, Council has stressed the importance of resolving property standards issues. The land sale and/or demolition of this building is consistent with this strategic priority.

Moving forward and to remain fiscally sustainable, staff intend to bring a report to Council with recommended updates to the Town's Purchase and Sale By-law, including an up-to-date appraisal process for municipal land. This will ensure the Town is receiving fair market value for the properties sold by the municipality.

ACCESSIBILITY CONSIDERATIONS

Not applicable.

CONSULTATIONS

Michel Riberdy – Manager of Public Works
Richard Charbonneau – Waste Management and Airport Supervisor

ATTACHMENTS

Attachment 1 – Subject Property

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TOP](#)

Attachment 1





Council's

Strategic Plan

TKL 2020 - 2024

TKL 5050 - 5054

Kirkland Lake Town Council



Councillor – Eugene Ivanov



Mayor – Patrick Kiely



Councillor – Rick Owen



Councillor – Stacy Wight



Councillor – Patrick Adams



Councillor – Dennis Perrier



Councillor – Casey Owens

Introduction

Demonstrating a commitment to effective and fiscally-responsible management, Council of the Town of Kirkland Lake has developed a Strategic Plan. This guiding document has been crafted using the information compiled by Strategy Corp and KPMG, with input from municipal staff and members of Council. This Plan enunciates Council's vision for the Town of Kirkland Lake, and establishes the priorities Council has set for the Corporation over the next four years. It will serve as a framework to guide staff in setting operational priorities; allocating the required human, financial, technological and intellectual resources; and measuring the results to effect continuous improvement for the Corporation and the community.

Purpose of the Strategic Plan

The purpose of this Strategic Plan is two-fold; first, to clearly define a common vision for the Municipality that will define the success of Kirkland Lake; and second, to provide Council and staff with a framework, or roadmap for decision making.

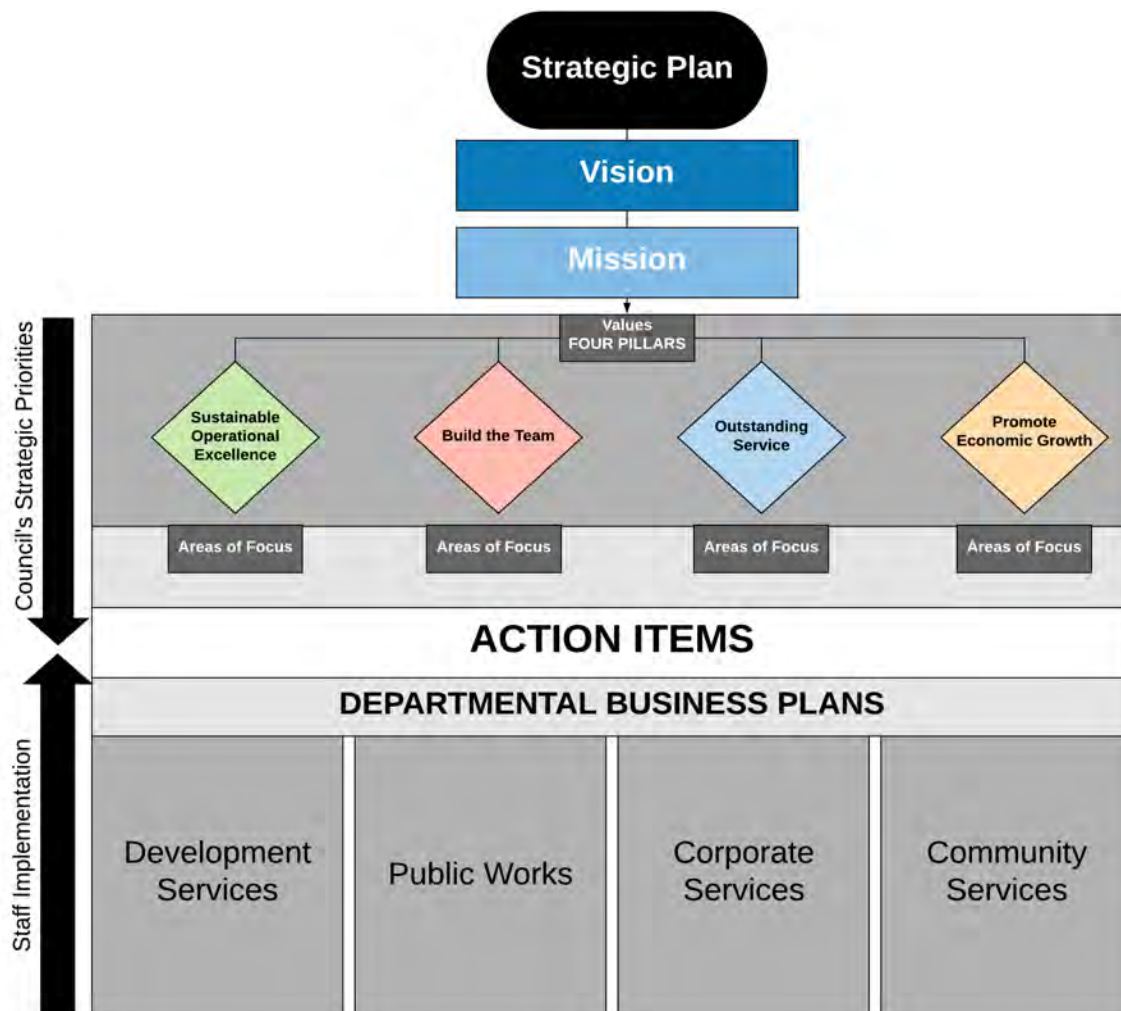
This Plan is designed by Council to prioritize the key programs, services and initiatives based on the needs, values and aspirations of the community and the service delivery realities of the Municipality.

A detailed Action Plan will provide direction for staff over the next 4 years and a set of performance indicators that will assist the Municipality in the implementation and evaluation of activities, to ensure that the vision and mission are achieved.

Finally, Council's Strategic Plan is a continual work in progress. Over time, new priorities, new opportunities, new demands and new challenges will emerge, and incorporating annual business plans into the Town's strategic planning process ensures us the flexibility to respond quickly and effectively to these changing directions.

Council's 2020 - 2024 Strategic Plan

For the Town of Kirkland Lake's mission, vision and values to succeed, these guiding principles have to be accompanied by deliberate plans of action to move the organization toward a prosperous future. Council's Plan outlines the goals, actions and measures that will help us to achieve Council's strategic directions. It also provides the framework to help guide decision-making and resource allocation. The application of this Plan is on the Areas of Focus, the Actions Items and measures to achieve the four pillars for 2024. The actions and strategies to achieve all of Council's goals will be addressed and monitored through annual Departmental Business Plans. This process can be visualized in the following flow chart:



Corporate Mission, Vision and Values

As local government, the Town of Kirkland Lake provides a wide range of services to residents and businesses. Decisions must be balanced considering current and future service level demands. As a result, the following Corporate Mission, Vision and Values have been developed.

Vision

A vision statement represents the future desired state of the Municipality.

“Pride of the North!”

“Kirkland Lake is a proud, prosperous and sustainable community and the hub of the North. People are happy to live and put down roots in Kirkland Lake.”

Mission

A mission statement captures the reason that the Municipality exists and guides the actions of the Municipality.

“Local government services supporting residential and entrepreneurial prosperity and gold mining in the North!”

“Operate, maintain and grow KL, its services and assets, with a focus on sustainability, affordability and customer service.”

“Our Corporation is a model of public service done right, and taxpayers have the confidence in what we do and the value they are getting for their taxes.”

Values

The following Values emerged during the Strategic Planning process and were selected as the “Four Pillars” of the Strategic Plan. The Pillars guide corporate actions. Specific Areas of Focus are highlighted under each Pillar, and are explained in greater detail in the following pages.

Achieve Sustainable Operational Excellence
<i>Aim for Financial Sustainability Policy Development & Implementation Better Management of Capital Assets Improved Communications Find & Implement Efficiencies</i>
Build the Team
<i>Improving Staff Accountability to Council & Residents Improving Council Accountability to Staff & Residents Improving Staff Accountability to Each Other Eliminate the Gaps</i>
Outstanding Service
<i>Implement Sustainable Service Delivery Develop Better Communications & Enhanced Openness and Transparency Improving Health and Safety for Staff & the Public</i>
Promote Economic Growth
<i>Invest in KL Reduce Competition with Private Sector</i>

ACHIEVE SUSTAINABLE OPERATIONAL EXCELLENCE

Area of Focus	Action Item Number	Action Item	Department Responsible	Specific Task to Achieve the Action Item	Target			
					2020	2021	2022	2023
Aim for Financial Sustainability	OE-1	Establish Standard Procurement Guidelines and Practices	Corporate Services	Approve new Procurement By-law & Policy	Q3			
	OE-2		Corporate Services	Review functions within the Finance Department	Q4			
	OE-3		Development Services	Review functions within the Development Services Department	Q4			
	OE-4		Community Services	Review functions within the Community Services Department		Q1		
	OE-5		Public Works	Review functions within the Public Works Department		Q2		
	OE-6	Analyze competitiveness of KL taxes, rates and fees in comparison to other nearby and similar sized municipalities	Corporate Services	Establishing a benchmark of where we sit in comparison to other municipalities	Q4			
	OE-7	Evaluate opportunities to enhance competitiveness with other municipalities, in relation to KL taxes, rates and fees	Development Services	Find opportunities to modify the KL taxes, rates and fees to become competitive with other nearby and similar sized municipalities		Q4		
	OE-8	Prepare and evaluate a long-term capital spend/replacement strategy	Corporate Services	Work with managers to build and update database	Q4	Ongoing		
	OE-9	Assess whether townwide purchasing is justified	Corporate Services	Analyze whether there would be cost savings if there was a centralized purchasing agent		Q1		
	OE-10	Review affordability of legacy assets	Public Works	Review equipment		Q1		
	OE-11	Evaluate opportunities for disposal/monetization	Development Services	Review property stock		Q2		
	OE-12		Community Services	Review building stock				
	OE-13	Introduce a gradual increase in capital levy to build reserves/reserve funds	Corporate Services			Q2		
	OE-14	Review and establish dedicated reserves/reserve funds	Corporate Services	Recommendations for Reserve Funds Policy to Council	Q4			
	OE-15	Link Reports to Council to the Strategic Plan	Corporate Services	Modify Report to Council template to identify link with Strategic Plan	Complete & Ongoing			
	OE-16	Link budget to the Strategic Plan	Corporate Services		Q4			
	OE-17	Introduce and approve budgets for coming year in Q4	Corporate Services	Budget process for next year to begin in September	Q4			
	OE-18	Investigate the ability to reduce liabilities on balance sheet	Corporate Services	Review vacation carry overs Review opportunities for funding on all upcoming capital projects to make best and most efficient use of taxpayers dollars	Q4	Ongoing		
	OE-19	Complete Energy Audits	Public Works	Streetlights			Q2	
	OE-20	Implement Energy Conservation and Demand Plan	Community Services	All vehicles, buildings and equipment (heating/lighting)			Q1	
Policy Development & Implementation	OE-21	Review Overtime Policy and make necessary changes to reduce personnel costs	Corporate Services		Q4			
	OE-22	Develop a Standard Operating Procedures Policy	Development Services	Develop SOPs for common tasks to ensure: health and safety, efficiency and reduced liability.		Q4		
	OE-23		Corporate Services			Q2		
	OE-24		Corporate Services			Q1		
	OE-25		Public Works			Q4		
	OE-26		Community Services			Q1		
	OE-27		Community Services			Q1		
	OE-28	Develop and implement an Information Technology Policy	Corporate Services		Q4			
	OE-29	Develop and implement a Tax Collection Policy	Corporate Services			Q2		
	OE-30	Develop and implement a Reserves/Reserve Fund Policy	Corporate Services		Q4			
	OE-31	Develop and implement a Debt Management Policy	Corporate Services		Q4			
	OE-32	Develop and implement a Surplus Management and Investment Policy	Corporate Services		Q4			
Better Management of Capital Assets	OE-33	Create a capital asset management plan for Public Works (roads, water, sewer)	Public Works			Q2		
	OE-34	Develop and implement a Fleet Management Plan (equipment retrofit execution)	Public Works		Q4			
	OE-35	Analyze benefit of introducing a Facilities Management Department	Community Services		Q4			
	OE-36	Create a capital asset management plan for buildings and facilities	Community Services			Q2		
Improved Communications	OE-37	Share summary of Council outcomes after each meeting	Corporate Services		Complete & Ongoing			
	OE-38	Develop and implement a Communications Policy Establish and monitor communication processes	Corporate Services		Q4			
	OE-39	Review software opportunities to assist with document management Populate the databases (By-law Database, Roll Files, Work Orders, etc.)	Corporate Services			Q4		
	OE-40	Analyze whether a more robust Intranet would be helpful	Corporate Services			Q1		
	OE-41	Arrange for weekly meetings with directors	All		Complete & Ongoing			
	OE-42		Community Services	Daycare Lease				
	OE-43		Development Services	Waste Contract		Q2		
	OE-44		Public Works	OCWA Contract		Q2		

ACHIEVE SUSTAINABLE OPERATIONAL EXCELLENCE

Area of Focus	Action Item Number	Action Item	Department Responsible	Specific Task to Achieve the Action Item	Target			
					2020	2021	2022	2023
Find & Implement Efficiencies	OE-45	Assess Contracted Services/Leases/Rentals Prior to Expiry to Ensure Maximum Efficiency and Best Use of Taxpayers Dollars	TPR	Relationship with Hospital		Q4		
	OE-46		Corporate Services	Hospital Contract with IT	Q4			
	OE-47		Corporate Services	OPP Building			Q2	
	OE-48		Corporate Services	Family Health Team	Q3			
	OE-49	Analyse best use for Efficiency Funding (Provincial Funding)	Development Services		Q4			
	OE-50	Review opportunities to eliminate paper-based records	Corporate Services	Review software opportunities to assist with time cards, gas slips, etc.) Implement the appropriate software, once reviewed		Q1		
	OE-51	Review and implement software to assist with Work Schedule Management that will work for all departments	Corporate Services			Q1		
	OE-52	Enhance controls and review process for Vendor Management	Corporate Services	Create Vendor Management Policy	Q4			
	OE-53	Create and Monitor Annual Business Plans for each department	All	Introduce and monitor an Annual Business Plan for each department	Q4			
	OE-54	Look at opportunities to reduce mailouts of tax & utility bills to save on postage	Corporate Services	Review benefits of mailing tax and utility bills together Offer contest to encourage payment by EFT	Q4			
	OE-55	Review software choices for facility booking software	Community Services	Analyze whether there are cost savings or efficiencies to merge all departments to one platform	Q4			
	OE-56	Assess benefits and efficiencies associated with software upgrades	Corporate Services		Q4	*	*	*
	OE-57	Assess benefits associated with purchasing cards	Corporate Services			Q2		
	OE-58	Review and implement software to assist with formulating Council agenda	Corporate Services		Q4			
	OE-59		Fire	Create a Plan to reduce fires - education, prevention efforts	Q4	*	*	*
	OE-60	Complete recommendations from Fire Master Plan	Fire + Development Services	Create a Plan to reduce fires - see OS-22		Q4		
	OE-61		Fire	Realign department responsibilities with Property Standards and Social Services		Q4		
	OE-62		Fire	Conduct Risk Assessment on Town building stock	Q4			
	OE-63	Reduce waste and mitigate need for additional landfill capacity	Development Services	Assess benefits of a weighted scale at the landfill				
	OE-64		Development Services	Assess potential impact on eliminating commercial waste	Q4			
OE-65	Centralized information technology budget for all departments	Corporate Services	Create centralized information technology line items in the 2020 budget				Complete	

Area of Focus	Action Item Number	Action Item	Department Responsible	Specific Task to Achieve the Action Item	Target			
					2020	2021	2022	2023
Improve Accountability	BT-1	Develop KPIs template and report on quarterly basis	Corporate Services	Continue to improve the quality of quarterly reporting to Council	Complete & Ongoing			
	BT-2	Enhance and improve functionality of CGIS	Development Services	Expand CGIS activity request system to all departments Work towards enhancing use of CGIS by introducing new layers and/or activities Have certain layers available to the public	Q3	*	*	*
	BT-3		Public Works	Digitize water and sewer Public Works			Q4	
	BT-4	Establish process to report financials on a Quarterly basis	Corporate Services	Continue to improve the quality of quarterly reporting to Council	Complete & Ongoing			
	OE-16	Introduce and approve budgets for coming year in Q4	Corporate Services	Budget process for next year to begin in September	Q4			
	BT-5	Develop and report variance reporting for staff	Corporate Services	Establish a process for reporting variances to directors in a timely manner	Q3			
Improving Council Accountability to Staff & Residents	BT-6	Engage constituents in decision-making	Council	In conjunction with staff, develop a Public Consultation Strategy		Q2		
	BT-7	Promote economic growth	Council	Encourage opportunities and standby developers who are promoting economic growth in Kirkland Lake	Ongoing			
	BT-8	Put KL on the map: Improve regional and provincial knowledge of KL	Development Services	Update and implement the ED Strategic Plan	Q4	Ongoing		
	BT-9	Advocate regionally and provincially at conferences, meetings, etc.	Council + CAO	Identify conferences in budget that Council will attend	Q4	Ongoing		
Improving Staff Accountability to Each Other	BT-10	Establish opportunities for cross training staff to reduce gaps in service when individuals are away from office.	Corporate Services		Q4			
	BT-11	Develop and implement Training Plan and Policy	Corporate Services		Q4			
	BT-12	Establish an Attraction and Retention Plan of qualified and professional staff	Corporate Services	Develop and implement an Employee Well Being Program		Q2		
	BT-13	Review purpose & best approach for Health & Safety Committee structure	Corporate Services		Q3			
	BT-14	Review Sick Time Policy, Part-Time Benefits	Corporate Services		Q3			
	BT-15	Review Performance Management process and develop and implement policy	Corporate Services	Arrange for staff training		Q2		
	OE-41	Arrange for weekly meetings with Directors	All		Complete			
	BT-16	Coordinate Volunteer Efforts	Community Services	Trails, Museum, Library, Horticultural		Q4		
	BT-17	Look at developing a policy to maximize efficiency of volunteers	Development Services	PAC, C of A, Age Friendly, EDC		Q1		
BT-18	Recruit Volunteers, create volunteer recruitment strategy	Corporate Services	PSB, DTSABB		Q1			
Eliminate the Gaps	BT-19	Finalize Organizational Review	CAO		Q3			
	BT-20	Update Job Descriptions, Evaluations, Pay Equity, Updated Salary Grid	Corporate Services			Q3	Ongoing	
	BT-21	Develop Professional Development Plan	Corporate Services		Complete			
	BT-22	Develop Training Plan	Corporate Services		Q4			
	BT-23	Develop Succession Plan	Corporate Services		Q4			
	BT-24	Recruit Vacant Positions and Attract Qualified Staff	Corporate Services	Ongoing initiative as positions become vacant	Ongoing			
	BT-25	Analyze need for Facilities Management position	Community Services		Q3			
	BT-26	Analyze need for Contract Manager position	Public Works		Q3			
BT-27	Analyze need or purpose of an AODA Committee	Corporate Services + Community Services		Q4				

BUILD THE TEAM

	Area of Focus	Action Item Number	Action Item	Department Responsible	Specific Task to Achieve the Action Item	Target				
						2020	2021	2022	2023	
OUTSTANDING SERVICE	Implement Sustainable Service Delivery	OS-1	Conduct a cost analysis on the use of credit cards and other payment options throughout all TKL buildings	Corporate Services	Review opportunities and cost benefits of offering electric fund transfer, e-mail money transfer, credit card options at all facilities	Q4				
		OS-2	Managing Expectations. Develop Service Delivery Standards.	Public Works	Winter Maintenance Manual	Q4				
		OS-3		Fire Services	Implement Recommendations in Fire Master Plan		Q4			
		OS-4		Public Works	Water Financial Plan	Q4				
		OS-5		Public Works	Determine need for Water Rate Study		Q2			
		OS-6		Public Works	Waterworks Service Delivery Review		Q1			
		OS-7		Development Services	Timeframe for Inspections, Planning Applications	Q4				
		OS-8		Development Services	Heritage North Service Delivery Review	Complete				
		OS-9		Development Services	Explore opportunities to divest Heritage North, complete appraisal, profile perspective buyers, define most effective outreach methods, create general listing for opportunistic sale		Q2			
		OS-10		Community Services	Museum & Library Service Delivery Review	Q4				
		OS-11		Community Services	Determine needs of service groups, find efficiencies	Q4				
		OS-12	Community Services	Update to Parks and Trails Plan		Q4				
		OS-13	Development Services	Waste Service Delivery Review		Q2				
		OS-14	Improving Accessibility	Community Services	Review Facilities & Programs with an aim toward barrier-free		Q4			
		OS-15		Development Services	Age-Friendly Plan Implementation	Q4	*	*	*	
	Develop Better Communications & Enhanced Openness and Transparency	OS-16	Implement Customer Relations Management System	Development Services	Implement CGIS Activity Request system town-wide	Q3				
		OS-17	Establish a Communications Policy for communication with Council, staff and the public	Corporate Services	Policy to include measuring techniques, such as customer satisfaction surveys	Q3				
		OS-18		Corporate Services	Policy to include direction on public engagement on high profile sensitive topics	Q3				
		OS-19		Corporate Services	Use of social media, website and TKL alerts	Q3				
		OS-20		Corporate Services	Use of standardized templates for letters, memos, etc.	Q3				
		OS-21	Establish a customer satisfaction survey to use as a benchmark	Corporate Services + Development Services	Establish effectiveness of our communication via surveys	Q4	Ongoing			
		BT-1	Develop KPIs template and present on a Quarterly Basis	Corporate Services	Continue to improve the quality of quarterly reporting to Council	Complete & Ongoing				
		OS-22	Launch new website	Corporate Services	Continue to update and bring relevant information forward on the website.	Q3	Ongoing			
Improving Health and Safety for Staff & Public	OS-21	Education and Prevention	Fire Services	Develop and implement Home and Business Inspections Program Establish fees for false alarms/avoidable calls	Q4					
	OS-22		Development Services	Establish and implement Property Standards Plan to resolve derelict building issue (see OE-60)		Q4	Ongoing			
	OS-23		Development Services	Establish and implement an education and enforcement plan		Q4	Ongoing			

	Area of Focus	Action Item Number	Action Item	Department Responsible	Specific Task to Achieve the Action Item	Target				
						2020	2021	2022	2023	
PROMOTE ECONOMIC GROWTH	Invest in KL	ED-1	Build Capacity & the Ability to Execute Economic Development in Kirkland Lake	Development Services	Develop and implement the mandate of the Economic Development Committee	Complete & Ongoing				
		ED-2		Development Services	Completing a market research and analyzing competitiveness of Kirkland Lake's market	Q4	Ongoing			
		ED-3		Development Services	Enhance skills by increasing training and professional development of staff	Q4	Ongoing			
		ED-4		Development Services	Assess, Evaluate and Report - KPIs	Complete & Ongoing				
		ED-5	Promote Kirkland Lake	Development Services & Council	Establish and participate in regional partnerships and projects	Q4	Ongoing			
		ED-6		Development Services	Develop multi-dimensional marketing strategy		Q2			
		ED-7		Development Services	Identify venues and messaging for advocacy	Q4	Ongoing			
		ED-8	Support Local Business Encourage retention and attraction of businesses in Kirkland Lake	Development Services	Create support mechanisms to assist businesses and organizations (CIP, Community Grants, MAT)	Q4	Ongoing			
		ED-9		Development Services	Identify growth potential sectors	Q4	Ongoing			
		ED-10		Development Services	Support local SME's through capacity building	Q4	Ongoing			
		ED-11	Leverage Existing Strengths	Community Services	Recreational Master Plan Ensuring affordable access to recreational programs		Q4			
		ED-12		Development Services	Work with mines on municipal supports, import replacement and workforce attraction and retention	Ongoing				
		ED-13		Development Services	Support tourism through event creation (sport tourism, speakers, etc.) support and marketing assistance	Q4				
		ED-14		Development Services	Develop an Events Webpage	Q4	Ongoing			
		ED-15	Make Kirkland Lake presentable	Development Services + Corporate Services	Develop a plan for demolishing or resolving property standards issues (see OS-22)		Q4	Ongoing		
		ED-16		Development Services	Target enforcement towards property and community standards	Q2	Ongoing			
		Reduce Competition with Private Sector	ED-17	Analyze existing areas where TKL may be competing, find efficient ways to reduce or eliminate competition with private sector.	Public Works	Cost Analysis for Load/Haul, Review Heavy Equipment Rental Rates, Review Contracted Winter Maintenance Agreements, Review Sewer Blockage Rates	Q4			
			ED-18		Community Services	Review rates for fitness and events at Complex		Q2		

Measurability

Departmental Business Plans

Implementation of this Plan will be strengthened by aligned Business Plans across all municipal Departments. An annual review of these Business Plans will clearly identify actions and activities initiated and/or completed. Measuring performance is a critical step in the strategic planning process to confirm with evidence based data that the Strategic Planning efforts have moved from development to execution. Collectively, the presentation of an Annual Report Card to communicate the progress of priority actions to Council and the public will serve to report on progress and support future budgeting processes.

The recommended content for each Departmental Business Plan's Annual Report Card consists of the following sections:

- Department mandate and core values;
- Key department priorities/main service areas;
- Alignment with the goals and objectives of Council's Strategic Plan and other relevant community strategic plans;
- A list of major initiatives for the report timeframe;
- A matrix outlining the progress or completion of initiatives/actions; and
- The use of allocated resources in that year and resource requirements for major initiatives.

Council's Strategic Plan - Annual Report

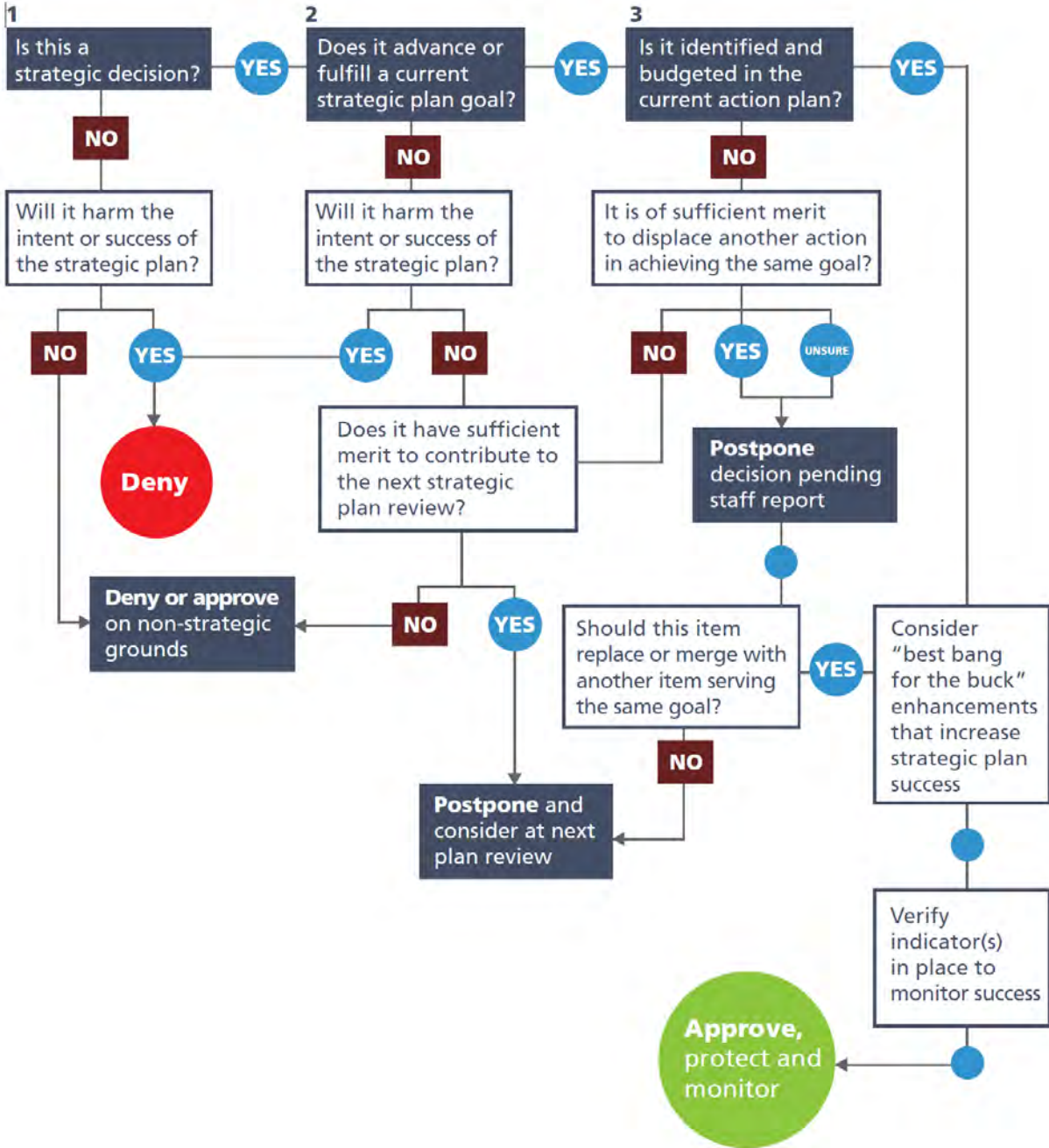
In addition to internal communication of progress, it is equally important to ensure that residents are kept informed. Departmental Report Cards will combine to support the creation of a Corporate Annual Report for the Municipality's Corporate Strategic Plan, reporting on the status of priority actions, identify changes in priorities and providing accompanying rationale and relating the story of success that has positively impacted Kirkland Lake. This annual reporting will ensure that Kirkland Lake is fulfilling and communicating its ongoing commitment to ***openness, transparency and accountability***.

The recommended content for the Corporate Strategic Plan Annual Report consists of the following sections:

- Key areas of focus for the Town of Kirkland Lake;
- Major community initiatives and events during the report year;
- From vision to action: a matrix of accomplishments based on the Action Items in the Strategic Plan and Departmental Business Plans;
- Case studies of successful implementation (profiling major accomplishments);
and
- Maintaining momentum: initiatives and actions for the upcoming year.

Decision Making and Strategic Planning

Strategic planning assists Council and staff in prioritizing fundamental decisions and choices regarding what is most important to achieve organizational success. The following chart outlines how Council and staff can integrate strategic planning into daily activities and decision-making responsibilities.





THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

BYLAW 20-050

BEING A BY-LAW TO AUTHORIZE THE MAYOR AND CLERK TO EXECUTE AN AGREEMENT WITH WSCS CONSULTING INC. FOR A SERVICE DELIVERY REVIEW OF THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

WHEREAS Council requested on November 19, 2019 that staff apply for funding under the Municipal Modernization Program to conduct a Service Delivery Review at a total cost of \$117,024;

AND WHEREAS staff submitted an application to the Program on November 27, 2019;

AND WHEREAS the Municipal Modernization Program application for funding up to \$117,024, for the purpose of conducting a Service Delivery Review, was approved;

AND WHEREAS an agreement with the Ministry of Municipal Affairs and Housing for a Service Delivery Review totaling \$117,024.00 was executed on March 24, 2020;

AND WHEREAS staff issued a RFP for consultants to bid on a Service Delivery Review for the Corporation of the Town of Kirkland Lake;

AND WHEREAS Council approved WSCS Consulting Inc. on May 19, 2020 to be the successful consultant to conduct a Service Delivery Review for the Corporation of the Town of Kirkland Lake;

NOW THEREFORE BE IT RESOLVED THAT the Council of the Corporation of the Town of Kirkland Lake enacts as follows:

1. That the Mayor and Clerk are hereby authorized to execute an agreement with WSCS Consulting Inc. to conduct a Service Delivery Review totaling \$117,024.00, a copy of which agreement is attached hereto and marked as Schedule 'A' to this bylaw.

READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 2nd DAY OF JUNE, 2020.

Pat Kiely, Mayor

Meagan Elliott, Clerk

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TOP**

CONTRACT FOR CONSULTING SERVICES

TOWN OF KIRKLAND LAKE

with

WSCS CONSULTING INCORPORATED

For

CONSULTING SERVICES FOR A

SERVICE DELIVERY REVIEW

This Consulting Agreement, effective May 22, 2020 (this “Agreement”), is made and entered into by and among Town of Kirkland Lake, a municipal corporation (the “Town”) and WSCS Consulting Incorporated, a Canadian Controlled Private Corporation incorporated under the laws of Ontario (the “Consultant”).

ARTICLE 1 - SCOPE OF WORK

1.1 Services - The Town has engaged the Consultant to provide consulting services for a Service Delivery Review. The Consultant will provide consulting services as outlined in the Proposal for Service Delivery Review provided to the Town as submitted in response to RFP 555-20 (Schedule 1) and updated based upon required scope changes to be finalized at the kick off meeting scheduled June 4, 2020. The Consultant will provide the services as outlined in the proposal and will document its activities and hours worked.

1.3 Confidentiality - In order for Consultant to perform the consulting services, it may be necessary for the Town to provide Consultant with Confidential Information (as defined below) regarding the Town’s business. The Consultants are bound by their professional association’s Codes of Ethics as well as agreements of confidentiality.

1.4 Standard of Conduct - In rendering consulting services under this Agreement, Consultant shall conform to high professional standards of work and business ethics. Consultant shall not use time, materials, or equipment of the Town without the prior written consent of the Town. In no event shall Consultant take any action or accept any assistance or engage in any activity that would result in any entity or organization acquiring any rights of any nature in the results of work performed by or for the Town.

1.5 Outside Services – WSCS will only use the services of the Consultants listed in the proposal. Should other services be required, WSCS will obtain prior written consent of an officer of the Town. Should the Town consent to the use by Consultant of the services of any other person, entity or organization, no information regarding the services to be performed under this Agreement shall be disclosed to that person, entity or organization until such person, entity or organization has executed an agreement to protect the confidentiality of the Town’s Confidential Information (as defined below) and the Town’s absolute and complete ownership of all right, title and interest in the work performed under this Agreement.

1.6 Reports - Consultant shall provide a report outlining the findings as per the agreed upon workplan and make recommendations for moving forward using the format prescribed by the Town.

ARTICLE 2 - INDEPENDENT CONTRACTOR

2.1 Independent Contractor - Consultant is an independent contractor and is not an employee, partner, or co-venturer of, or in any other service relationship with, the Town. The manner in which Consultant's services are rendered shall be within Consultant's sole control and discretion. Consultant is not authorized to speak for, represent, or obligate the Town in any manner not related to the work involved in the Service Delivery Review without the prior express written authorization from an officer of the Town.

2.2 Taxes - Consultant shall be responsible for all taxes arising from compensation and other amounts paid under this Agreement, and shall be responsible for all payroll taxes and fringe benefits of Consultant's employees. Neither federal, nor provincial income tax, nor payroll tax of any kind, shall be withheld or paid by the Town on behalf of Consultant or its employees. Consultant understands that it is responsible to pay, according to law, Consultant's taxes and Consultant shall, when requested by the Town, properly document to the Town that any and all federal and provincial taxes have been paid.

2.3 Benefits - Consultant and Consultant's employees will not be eligible for, and shall not participate in, any employee pension, health, welfare, or other fringe benefit plan, of the Town. No workers' compensation insurance shall be obtained by Town covering Consultant or Consultant's employees.

2.4 The Consultant, prior to the commencement of work, shall obtain and maintain until the termination of the agreement or otherwise stated, provide the Town of Kirkland Lake with evidence of:

Commercial General Liability Insurance

Commercial General Liability Insurance issued on an occurrence basis for an amount of not less than \$5,000,000 per occurrence / \$5,000,000 annual aggregate for any negligent acts or omissions by the supplier while carrying out the work associated with the tender. Such insurance shall include, but is not limited to bodily injury and property damage including loss of use; personal injury; contractual liability; premises, property & operations; non-owned automobile; broad form property damage; broad form completed operations; owners & suppliers protective; occurrence property damage; products; employees as Additional Insured(s); contingent employers liability; tenants legal liability; cross liability and severability of interest clause

Professional Liability (Errors and Omissions)

Professional Liability (Errors and Omissions) Insurance coverage shall be obtained to a limit of not less than \$2 million. If such insurance is written on a claim made basis, the policy shall contain a 24 month extended reporting period or shall be maintained for a period of two years subsequent to conclusion of services provided under this Agreement.

The above noted policies shall not be cancelled, altered or lapsed unless the Insurer notifies the Town in writing at least thirty (30) days prior to the effective date of the change or cancellation.

Prior to commencement of work, the Supplier shall furnish to the Town with a certificate of insurance or copies of the policies confirming the aforementioned insurance. The insurance policy will be in a form and with a company which are, in all respects, acceptable to the Town.

ARTICLE 3 - COMPENSATION FOR CONSULTING SERVICES

3.1 Compensation - The Town shall pay to WSCS for services rendered to the Town under this Agreement and the Proposal. Only time actually worked will be billed. Should hours included in the proposal not be required, it will not be billed and the Town will not be liable for the unbilled amount. The compensation shall be paid based upon invoices submitted and the services/activities will be detailed on an hourly basis. Should the project involve additional hours, WSCS will inform the Town prior to working additional hours to obtain prior approval and associated change order. Should the Town approve such additional hours, it will form part of this contract by way of an addendum.

3.2 Payment Terms - The Town agrees to pay invoices on payment terms of Net 30 days from the date of the invoice provided by WSCS. WSCS will send invoices electronically to the Town on a bi-monthly basis on the 15th and last day of each month until the final billing. The Town will provide payment for invoices by Electronic Funds Transfer.

ARTICLE 4 - TERM AND TERMINATION

4.1 Term - This Agreement shall be effective as of May 22, 2020 and shall continue in full force and effect until September 30, 2020. The Town and Consultant may negotiate to extend the term of this Agreement and the terms and conditions under which the relationship shall continue. In any event, the hours and services contained within the Proposal remain deliverable.

ARTICLE 5 - CONFIDENTIAL INFORMATION

5.1 Obligation of Confidentiality - In performing consulting services under this Agreement, Consultant may be exposed to and will be required to use certain “Confidential Information” (as hereinafter defined) of the Town. Consultant agrees that Consultant will not and Consultant’s employees, agents or representatives will not, use, directly or indirectly, such Confidential Information for the benefit of any person, entity or organization other than the Town, or disclose such Confidential Information without the written authorization of the Town, either during or after the term of this Agreement, for as long as such information retains the characteristics of Confidential Information.

5.2 Definition - “Confidential Information” means information as defined in Ontario’s Municipal Freedom of Information and Protection of Privacy Act as well as any information/data deemed to be of a confidential nature by the Town. The Consultant acknowledges that it is bound by these laws and all such Canadian and provincial laws.

5.3 Property of the Town - Consultant agrees that all plans, data, reports developed by the Consultant on behalf of the Town in connection with services rendered under this Agreement, are and shall remain the exclusive property of the Town. Within thirty (30) days of the expiration or termination of this Agreement, or upon the request of the Town, Consultant shall return to the Town all documents and tangible items, including samples, provided to Consultant or created by Consultant for use in connection with services to be rendered hereunder, including without limitation all Confidential Information, together with all copies and abstracts thereof.

ARTICLE 6 - CONFLICT OF INTEREST

6.1 Conflict of Interest - Consultant covenants and agrees not to consult or provide any services in any manner or capacity that would put it in a conflict of interest.

ARTICLE 7 - RIGHT TO INJUNCTIVE RELIEF

Consultant acknowledges that the terms of Articles 5 and 6 of this Agreement are reasonably necessary to protect the legitimate interests of the Town, are reasonable in scope and duration, and are not unduly restrictive. Consultant further acknowledges that a breach of any of the terms of Articles 5 or 6 of this Agreement will render irreparable harm to the Town, and that a remedy at law for breach of the Agreement is inadequate, and that the Town shall therefore be entitled to seek any and all equitable relief, including, but not limited to, injunctive relief, and to any other remedy that may be available under any applicable law or agreement between the parties. Consultant acknowledges that an award of damages to the Town does not preclude a court from ordering injunctive relief. Both damages and injunctive relief shall be proper modes of relief and are not to be considered as alternative remedies.

ARTICLE 8 - GENERAL PROVISIONS

8.1 Construction of Terms - If any provision of this Agreement is held unenforceable by a court of competent jurisdiction, that provision shall be severed and shall not affect the validity or enforceability of the remaining provisions.

8.2 Governing Law - This Agreement shall be governed by and construed in accordance with the internal bylaws of the Canadian and provincial laws.

8.3 Complete Agreement - This Agreement and the Proposal constitutes the complete agreement and sets forth the entire understanding and agreement of the parties as to the subject matter of this Agreement and supersedes all prior discussions and understandings in respect to the subject of this Agreement, whether written or oral.

8.4 Dispute Resolution - If there is any dispute or controversy between the parties relating to this Agreement, the parties agree that such dispute or controversy that it will seek dispute resolution through an agreed upon process.

8.5 Modification - No modification, termination or attempted waiver of this Agreement, or any provision thereof, shall be valid unless in writing signed by the party against whom the same is sought to be enforced.

8.6 Waiver of Breach - The waiver by a party of a breach of any provision of this Agreement by the other party shall not operate or be construed as a waiver of any other or subsequent breach by the party in breach.

8.7 Successors and Assigns - This Agreement may not be assigned by either party without the prior written consent of the other party; provided, however, that the Agreement shall be assignable by the Town without Consultant's consent in the event the Town is acquired by or merged into another corporation or business entity. The benefits and obligations of this Agreement shall be binding upon and inure to the parties hereto, their successors and assigns.

8.8 No Conflict - Consultant warrants that Consultant has not previously assumed any obligations inconsistent with those undertaken by Consultant under this Agreement.



Dated this _____ day of May 2020.

[TOWN OF KIRKLAND LAKE]

WSCS CONSULTING INC.

By: _____
I have authority to bind the corporation.

By: _____
I have authority to bind the corporation.

Signature _____

Signature _____

By: _____
I have authority to bind the corporation.

Signature _____



Online services

Hello, Tammy Carruthers

Clearances

WSCS CONSULTING INC.

Account details

Legal name	WSCS CONSULTING INC.
Trade name	
Address	320 PIKE LAKE ROUTE 12 RR 3, PERTH, ON, K7H3C5, CA
Class/Subclass and Description	L: Professional, scientific and technical
NAICS Code and Code Description	541611: Administrative management and general management consulting services
Account status	Eligible for clearance certificates
Current certificate	A0000GXHGN valid from 20-May-2020 - 19-Aug-2020

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THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

BY-LAW NUMBER 20-051

BEING A BY-LAW TO STOP UP, CLOSE AND DECLARE THE ROAD ALLOWANCE LOCATED TO THE SOUTH OF LOT 72, PLAN M-109 AS SURPLUS LAND

WHEREAS authority is granted under the Municipal Act, 2001, Section 28(2), 34(1), to close a highway;

AND WHEREAS the Corporation of the Town of Kirkland Lake desires to close the road allowance located to the south of Lot 72, Plan M-109;

NOW THEREFORE BE IT RESOLVED THAT THE COUNCIL OF THE CORPORATION OF THE TOWN OF KIRKLAND LAKE ENACTS AS FOLLOWS:

1. That the road allowance located to the south of Lot 72, Plan M109, be closed.
2. That the road allowance to the south of Lot 72, Plan M109, be declared surplus and offered for sale to the abutting property owner.

READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 2nd DAY OF JUNE, 2020.

Patrick Kiely, Mayor

Meagan Elliott, Clerk

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TOP**



THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

BY-LAW NUMBER 20-052

BEING A BY-LAW TO AUTHORIZE THE EXECUTION OF AN AGREEMENT WITH RICHARD ROY FOR A PORTION OF MUNICIPAL PROPERTY LOCATED ACROSS FROM 35 PREMIER AVENUE EAST

WHEREAS Richard Roy has expressed interest in leasing municipal land located across from 35 Premier Avenue East;

AND WHEREAS Council for the Corporation of the Town of Kirkland Lake deems it to be desirable to enter into a lease agreement with Richard Roy for the lands located across from 35 Premier Avenue East;

NOW THEREFORE BE IT RESOLVED THAT THE COUNCIL OF THE CORPORATION OF THE TOWN OF KIRKLAND LAKE ENACTS AS FOLLOWS:

THAT the Mayor and Clerk are hereby authorized to execute an Agreement with Richard Roy, a copy of which Agreement is attached hereto and marked as **Schedule "A"** to this By-law.

READ a first, second and third time, enacted and passed this 2nd day of June, 2020.

Patrick Kiely, Mayor

Meagan Elliott, Clerk

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TOP**

Schedule "A" to By-Law Number 20-052

THIS AGREEMENT made in triplicate this 2nd day of June, 2020

BETWEEN:

THE CORPORATION OF THE TOWN OF KIRKLAND LAKE
(hereinafter called the Corporation)

OF THE FIRST PART

- and -

Richard Roy
(hereinafter called the "Lessee")

OF THE SECOND PART

WHEREAS the Corporation is the owner of the land across from 35 Premier Avenue East, as outlined on the enclosed map, in the Town of Kirkland Lake in the District of Timiskaming on file in the office of Land Titles in Haileybury, Ontario.

AND WHEREAS, the Corporation has agreed to give to the party of the Second Part, the right to occupy this block of land, being approximately 340 square metres.

NOW THIS WITNESSETH THAT in consideration of the premises and the payment of the Party of the Second Part to the Corporation, the sum of Three Hundred and Fifty-Five Dollars (\$355.00) initially and a further Three Hundred and Twenty-Eight Dollars and Forty Centre (\$328.40) initially and every year thereafter as amended in accordance with the municipal fee by-law, the Corporation doth hereby give and grant to the Party of the Second Part, a permit to occupy the said land.

IT IS HEREBY UNDERSTOOD AND AGREED that the Party of the Second part shall not erect, cause to be erected or permit to be erected, any building or structure on the said property and shall not change the grade of the property from that which existed at the time of the signing of this agreement.

THE PARTY OF THE SECOND PART AGREES that they will allow without delay access to utility companies, when necessary, for the purposes of construction or maintenance of their facilities. The utility companies nor the municipality shall not be responsible for any damages that may be done to the property as a result of the construction or maintenance of the utilities.

THE PARTY OF THE SECOND PART covenants and agrees that they will not damage nor interfere with the adjoining lands of the Town and that they will indemnify and save harmless, the Town from any and all claims or demands arising out of the use of said Property.

THE PARTY OF THE SECOND PART covenants and agrees that they will keep the property tidy, neat and in good order and covenants and agrees to remain compliant with the Community Standards By-law and Zoning By-law, and all other applicable By-laws. Failure to meet this condition may result in the cancellation of this lease agreement.

IT IS HEREBY DECLARED AND AGREED UPON that the Corporation may, upon sixty days (60) notice in writing to the Party of the Second Part, terminate this lease agreement and the Party of the Second Part, covenants and agrees to and with the Corporation that they will, upon receipt of written notification, vacate and deliver up possession of the said land to the Corporation and shall not make claim on the Corporation for any loss or damage which they may suffer by reason of his delivering up possession to the Corporation.

The Party of the Second Part agrees that in the event of any contamination of the lands occupied of which it becomes aware it shall immediately notify the Ministry of Environment, Conservation and Parks (MECP) or any successor or agency of any such contamination. The Party of the Second Part further agrees to indemnify and save harmless the Corporation from any environmental condition on the said property as a result of any use of the said property by the Party of the Second Part, their servants, agents or assigns and this clause shall provide full indemnification to the Corporation for any such adverse environmental effects that the Corporation may be required to take to prevent, ameliorate or eliminate or to restore the property to the natural environment.

THE PARTIES hereto agree that the Party of the Second Part may assign this agreement with the written consent of the Municipality, which consent shall not be unreasonably withheld.

THIS AGREEMENT shall ensure to the benefit of and be binding upon the Parties hereto, their heirs, executors, administrators, successors and assigns respectively.

IN WITNESS THEREOF the parties hereto have set their hands and seals this 2nd day of June, 2020.

SIGNED, SEALED AND DELIVERED

In the presence of

Witness as to the signature of

Witness as to the signature of

) The Corporation of the Town

) of Kirkland Lake

)

) _____

) Patrick Kiely

) Mayor

)

) _____

) Meagan Elliott

) Clerk

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Enclosed Map: Subject Property



MEMORANDUM TO COUNCIL

Meeting Date: 6/2/2020

Memo Number: 2020-CNL-001

Presented by: Patrick Adams

Department: Council

MEMO TITLE

Communication of upcoming Council meetings through social media.

RECOMMENDATION(S)

BE IT RESOLVED THAT Memorandum Number 2020-CNL-001 entitled “**Communication of upcoming Council meetings through social media**” be received, and

THAT Council directs the CAO to communicate upcoming meetings of council through social media, and where possible, stream meetings live on social media pages.

BACKGROUND

Increased community involvement in municipal politics and transparency was a part of my platform when running for council. A goal of the recent strategic plan completed by Strategy Corp is to “*Develop Better Communications & Enhanced Openness and Transparency*” under the category of “Outstanding Service”

RATIONALE

Our social media pages do a great job communicating street cleaning, and snow removal with daily updates. Utilizing social media to communicate when upcoming council meetings are can help increase community engagement in municipal politics. Other municipalities (ex. Temiskaming Shores) communicates when a council meeting will take place, including broadcasting the meeting live to Facebook. Municipal politics has the greatest impact on our day to lives, encouraging public engagement will help improve transparency, and increase better communications with the public.

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THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

BY-LAW NUMBER 20-053

BEING A BY-LAW TO CONFIRM THE PROCEEDINGS OF COUNCIL AT ITS MEETING HELD JUNE 2, 2020

WHEREAS Subsection 5(1) of the Municipal Act, 2001, S.O. 2001, Chapter 25, as amended, provides that the powers of a municipal corporation are to be exercised by its Council;

AND WHEREAS Subsection 5(3) of the said Municipal Act provides that the powers of every Council are to be exercised by by-law;

AND WHEREAS it is deemed expedient that the proceedings of the Council of the Town of Kirkland Lake at this meeting be confirmed and adopted by by-law;

NOW THEREFORE BE IT RESOLVED THAT THE COUNCIL OF THE CORPORATION OF THE TOWN OF KIRKLAND LAKE ENACTS AS FOLLOWS:

- 1 The actions of the Council of the Town of Kirkland Lake in respect of each motion passed and other actions taken by the Council of the Town of Kirkland Lake at this meeting are hereby adopted and confirmed as if all such proceedings were expressly embodied in this by-law.
- 2 The Mayor and Councillors of the Town of Kirkland Lake are hereby authorized and directed to do all things necessary to give effect to the actions of the Council of the Town of Kirkland Lake referred to in the preceding section.
- 3 The Mayor and the Clerk are hereby authorized to execute all documents necessary on behalf of the Council and to affix thereto the corporate seal of the Town of Kirkland Lake.
- 4 This by-law comes into force upon adoption by Council of the Town of Kirkland Lake.

READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 2nd DAY OF JUNE, 2020.

Pat Kiely, Mayor

Meagan Elliott, Clerk

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