



AGENDA

Corporation of the Town of Kirkland Lake
Regular Meeting of Council
Electronically via Zoom
January 12, 2021
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 January 12, 2020 beginning at 4:40 p.m. be approved as circulated to all Members of Council.

3. **Declaration of Pecuniary Interest**

4. **Petitions and Delegations**

5. **Acceptance of Minutes and Recommendations**

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

- Minutes of the Emergency Meeting of Council held December 14, 2020,
- Minutes of the Regular Meeting of Council held December 15, 2020, and
- Minutes of the Emergency Meeting of Council held December 17, 2020

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

- 6.1 Verbal COVID-19 Update
Bonnie Sackrider, Director of Community Services

BE IT RESOLVED THAT the verbal COVID-19 update be received.

- 6.2 Proposed Timber Harvesting
Wilf Hass, Director of Economic Development

BE IT RESOLVED THAT Report Number 2021-DEV-002 entitled “**Proposed Timber Harvesting**” be received, and

THAT staff be directed to hold public consultations on the proposed harvesting of timber on municipally owned lands (identified as Site One and Site Two in this Report) and report back to Council with the results.

6.3 Land Use Permit with Ontario Federation of Snowmobile Clubs
Jenna McNaughton, Planning Administrator/Recycling Coordinator/Data Manager

BE IT RESOLVED THAT Report Number 2021-DEV-001 entitled “***Land Use Permit with Ontario Federation of Snowmobile Clubs***” be received,

THAT Council authorize the Town of Kirkland Lake to execute a Land Use Permit with the Ontario Federation of Snowmobile Clubs, Golden Corridor Snowdrifters, over five (5) mining claims south of Armer Lake, and

THAT staff be directed to present a by-law to Council to enter into an Indemnity and Hold Harmless Agreement with the Ontario Federation of Snowmobile Clubs, Golden Corridor Snowdrifters to utilize municipal land for the purpose of snowmobile trails.

6.4 Strategic Initiatives Update
Keith Gorman, Director of Corporate Services

BE IT RESOLVED THAT Memorandum Number 2020-CORP-002M entitled “***Strategic Initiatives Update***”, be received, and

THAT staff be directed to present for consideration an updated listing of strategic priorities encompassing deliverables from recent Service Delivery Reviews, the Strategic Plan and other priorities and initiatives identified.

6.5 Financial Policies Framework
Keith Gorman, Director of Corporate Services

BE IT RESOLVED THAT Memorandum Number 2021-CORP-001M entitled “***Financial Policies Framework***”, be received, and

THAT staff be directed to present for consideration detailed financial policies in Q1 2021 for Reserve/Reserve Fund Management, Operating Surplus/Deficit and Budget/Financial Controls.

6.6 2021 Budget Preparations
Keith Gorman, Director of Corporate Services

BE IT RESOLVED THAT Memorandum Number 2020-CORP-003M entitled “***2021 Budget Preparations***”, be received,

THAT staff prepare the 2021 operating and capital budget and capital forecast for years 2022 through 2025, and

THAT the 2021 budget timeline and considerations identified in Memo 2021-CORP-003M be used to develop the 2021 Budget for Council’s review and approval.

6.7 Police Service Board Recommendations
Meagan Elliott, Clerk

BE IT RESOLVED THAT Memorandum Number 2020-CLK-001M entitled “**Police Service Board Recommendations**” be received,

THAT Council of the Corporation of the Town of Kirkland Lake adopts the recommendations to Council from the Police Services Board Meeting held December 9, 2020,

THAT staff be directed to report back to Council with costs and information on adding lighting to the trail from First St to Station Rd, and

THAT staff be directed to send a letter to MTO to review the section of Government Road West from Gold Thorpe Road to Archer Drive to reduce the speed limit.

6.8 Website Accessibility
Meagan Elliott, Clerk

BE IT RESOLVED THAT Memorandum Number 2020-CLK-002M entitled “**Website Accessibility**” be received, and

THAT staff be directed to investigate and report back to Council third party costs for video closed captioning services.

7. Consideration of Notices of Motion

8. Introduction, Reading and Consideration of By-Laws

By-Law 21-001 Being a by-law to provide interim tax levy and to provide for the payment of taxes and to provide for penalty and interest of 1 percent per month

BE IT RESOLVED THAT the following by-law 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;

By-law Number 21-001, being a by-law to provide interim tax levy and to provide for the payment of taxes and to provide for penalty and interest of 1 percent per month

By-Law 21-002 Being a by-law to set the municipal water and wastewater rates for 2021 prior to the adoption of a budget

BE IT RESOLVED THAT the following by-law 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;

By-law Number 21-002, being a by-law to set the municipal water and wastewater rates for 2021 prior to the adoption of a budget

By-Law 21-003 Being a by-law to authorize the borrowing for current expenditures for 2021

BE IT RESOLVED THAT the following by-law 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;

By-law Number 21-003, being a by-law to authorize the borrowing for current expenditures for 2021

By-Law 21-004 Being a by-law to authorize and execute the collective agreement between the Corporation of the Town of Kirkland Lake and CUPE Local 1074

BE IT RESOLVED THAT the following by-law 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;

By-law Number 21-004, being a by-law to authorize and execute the collective agreement between the Corporation of the Town of Kirkland Lake and CUPE Local 1074

By-Law 21-005 Being a by-law to authorize the Mayor and Clerk to execute an agreement with Ontario Federation of Snowmobile Clubs

BE IT RESOLVED THAT the following by-law 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;

By-law Number 21-005, being a by-law to authorize the Mayor and Clerk to execute an agreement with Ontario Federation of Snowmobile Clubs

9. Questions from Council to Staff

10. Notice(s) of Motion

11. Councillor's Reports

11.1 Councillor Updates

BE IT RESOLVED THAT the verbal updates from members of Council be received.

12. Additional Information

13. Closed Session

BE IT RESOLVED THAT Council move into a Closed Session pursuant to Section 239(2) to discuss 1 land disposition matter, 1 labour relations matter and 1 matter that is subject to solicitor-client privilege.

14. Matters from Closed Session

15. Confirmation By-Law

By-law 21-006 Being a by-law to confirm the proceedings of Council at its meeting held January 12, 2021

BE IT RESOLVED THAT the following by-law 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;

By-law Number 21-006, being a by-law to confirm the proceedings of Council at its meeting held January 12, 2021.

16. Adjournment

BE IT RESOLVED THAT Council adjourn the January 12, 2021 Regular Meeting of Council.



MINUTES

Corporation of the Town of Kirkland Lake
Emergency Meeting of Council
Electronically via Zoom
December 14, 2020
5:15 p.m.

Attendance

Mayor: Pat Kiely
Councillors: Casey Owens
Stacy Wight
Eugene Ivanov
Rick Owen
Lad Shaba
Patrick Adams
Delegated Clerk: Paul Cassan

1. Call to Order and Moment of Silence

Mayor Pat Kiely requested a moment of silence.

2. Approval of the Agenda

Moved by: Councillor Rick Owen
Seconded by: Councillor Lad Shaba

BE IT RESOLVED THAT the Agenda for the Emergency Meeting of Council held on December 14, 2020 beginning at 5:20 p.m. be approved as circulated to all Members of Council, and

THAT Council for the Corporation of the Town of Kirkland Lake hereby waives notice in accordance with Section 13 of By-law Number 15-075 and agrees to meet for the purpose of 1 Closed Session item in accordance with section 239(2) of the Municipal Act.

CARRIED

3. Declaration of Pecuniary Interest

Mayor Kiely requested those present to declare any pecuniary interests with matters appearing on the agenda. None noted.

4. Closed Session

Moved by: Councillor Lad Shaba
Seconded by: Councillor Stacy Wight

BE IT RESOLVED THAT Council move into a Closed Session pursuant to Section 239(2) to discuss 1 matter involving personal matters about an identifiable individual and advice that is subject to solicitor-client privilege.

CARRIED

Council moved into Closed Session at 5:21 PM

4.1 Paul Cassan, Wishart Law

Council rose from Closed Session at 7:01 PM

5. Matters from Closed Session

6. Confirmation By-Law

Moved by: Councillor Rick Owen

Seconded by: Councillor Patrick Adams

BE IT RESOLVED THAT the following by-law 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;

By-law Number 20-098, being a by-law to confirm the proceedings of Council at its meeting held December 14, 2020.

CARRIED

7. Adjournment

Moved by: Councillor Lad Shaba

Seconded by: Councillor Stacy Wight

BE IT RESOLVED THAT Council adjourn the December 14, 2020 Emergency Meeting of Council.

The meeting adjourned at: 7:04

Pat Kiely, Mayor

Paul Cassan, Delegated Clerk



MINUTES

Corporation of the Town of Kirkland Lake
Regular Meeting of Council
Council Chambers
December 15, 2020
4:40 p.m.

Attendance

Mayor: Pat Kiely
Councillors: Casey Owens
Stacy Wight
Eugene Ivanov
Rick Owen
Lad Shaba
Absent: Patrick Adams
Staff: Clerk: Meagan Elliott
Director of Corporate Services: Keith Gorman
Director of Community Services: Bonnie Sackrider
Director of Public Works: Michel Riberdy
Director of Care: Tanya Schumacher
Fire Chief: Rob Adair
Human Resources Supervisor: Kassandra Young
Acting Director of Development Services: Richard Charbonneau
Director of Economic Development: Wilf Hass
Planning Administrator/Recycling Coordinator/Data Manager: Jenna McNaughton

1. Call to Order and Moment of Silence

Mayor Pat Kiely requested a moment of silence.

2. Approval of the Agenda

Moved by: Rick Owen

Seconded by: Casey Owens

BE IT RESOLVED THAT the Agenda for the Regular Meeting of Council held on December 15, 2020 beginning at 4:40 p.m. be approved as circulated to all Members of Council with the addition of a Closed Session item to be discussed as item 13.7.

CARRIED

3. Declaration of Pecuniary Interest

Mayor Pat Kiely requested those present to declare any pecuniary interest with matters appearing on the agenda. Councillor Ivanov declared a pecuniary interest on Closed Session item 13.3, Councillor Wight declared a pecuniary interest on Closed Session item

13.3, and Councillor Owen declared a pecuniary interest on Closed Session items 13.2, 13.4 and 13.5.

4. Petitions and Delegations

None noted.

5. Acceptance of Minutes and Recommendations

Moved by: Stacy Wight

Seconded by: Lad Shaba

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

- Minutes of the Regular Meeting of Council held December 1, 2020
- Minutes of the Special Meeting of Council held December 8, 2020, and

THAT Council accept the minutes from the following committee meetings:

- Minutes of the Police Services Board Meeting held September 21, 2020
- Minutes of the Kirkland Lake Public Library Board held September 22, 2020
- Minutes of the TPR Committee of Management Meeting held November 23, 2020

CARRIED

6. Reports of Municipal Officers and Communications

6.1 Structural Condition Assessment – Public Works Garage
Michel Riberdy, Director of Public Works

Moved by: Eugene Ivanov

Seconded by: Stacy Wight

BE IT RESOLVED THAT Report Number 2020-CAO-006 entitled “**Structural Condition Assessment – Public Works Garage**” be received, and

THAT staff be directed to implement a plan to correct the deficiencies identified within the Structural Condition Assessment – Public Works Garage prepared by David Dia, P.Eng. from J.L. Richards & Associates Limited, and

THAT the required funds to correct the deficiencies identified within the Structural Condition Assessment be included in the Proposed 2021 Capital Budget for consideration.

CARRIED

6.2 Endorsement of Active School Travel Charter
Bonnie Sackrider, Director of Community Services

Moved by: Casey Owens

Seconded by: Eugene Ivanov

BE IT RESOLVED THAT Report Number 2020-CS-010 entitled “**Endorsement of Active School Travel Charter**”, be received, and

THAT Council endorse the Timiskaming Active School Travel Charter in principle, without committing unbudgeted costs during construction and maintenance.

CARRIED

6.3 Amendment to FedNor Contract 851-511735
Wilf Hass, Director of Economic Development

Moved by: Stacy Wight

Seconded by: Rick Owen

BE IT RESOLVED THAT Report Number 2020-DEV-0062 entitled “**Amendment to FedNor Contract 851-511735**” be received, and

THAT Council authorizes the Mayor and Clerk to sign Amendment Number 2 to Contract 851-511735, being an agreement for funding in support of the extension of municipal service adjacent to the Industrial Park.

CARRIED

6.4 Repeal By-law Number 20-089 – 3 McKelvie
Jenna McNaughton, Planning Administrator/Recycling Coordinator/Data Manager

Moved by: Lad Shaba

Seconded by: Rick Owen

BE IT RESOLVED THAT Memo Number 2020-DEV-007M entitled “**Repeal By-law Number 20-089 - 3 McKelvie**” be received, and

THAT staff be directed to present a By-Law to repeal By-law Number 20-089.

CARRIED

6.5 Agreement with Electronic Products Recycling Association for the Collection of Used Electrical and Electronic Equipment
Jenna McNaughton, Planning Administrator/Recycling Coordinator/Data Manager

Moved by: Eugene Ivanov

Seconded by: Lad Shaba

BE IT RESOLVED THAT Report Number 2020-DEV-064 entitled “**Agreement with Electronic Products Recycling Association for the Collection of Used Electrical and Electronic Equipment**”, be received, and

THAT Council authorizes the execution of an agreement with Electronic Products Recycling Association registered as a Producer Responsibility Organization with the Resource Productivity & Recovery Authority.

CARRIED

6.6 Award of RFT-561-20 Animal Control Services
Keith Gorman, Director of Corporate Services

Moved by: Stacy Wight

Seconded by: Casey Owens

BE IT RESOLVED THAT Report Number 2020-DEV-062 entitled “**Award of RFT-561-20 Animal Control Services**” be received,
THAT Council hereby awards the tender to Tracy Barbe for a total amount of \$354,195.00 + HST over a five-year period, and
THAT staff is hereby authorized to execute the necessary documents to complete the terms of RFT-561-20.

CARRIED

6.7 Ontario Regulation 284/09 - Public Sector Accounting Board (“PSAB”) Reconciliation
Keith Gorman, Director of Corporate Services

Moved by: Eugene Ivanov

Seconded by: Rick Owen

BE IT RESOLVED THAT Report Number 2020-FIN-010 entitled “**Ontario Regulation 284/09 - Public Sector Accounting Board (“PSAB”) Reconciliation**” be received.

CARRIED

6.8 Customer Service, Enquiries and Complaints Policy & Communications
Meagan Elliott, Clerk

Moved by: Lad Shaba

Seconded by: Casey Owens

BE IT RESOLVED THAT Memorandum Number 2020-CLK-008 entitled “**Customer Service, Enquiries and Complaints Policy & Communications Policy**” be received,
THAT the Customer Service, Enquiries and Complaints Policy and Communications Policy are hereby approved, and
THAT staff be directed to insert these policies into the Corporate Policy Manual.

CARRIED

6.9 Streamlining Committees
Meagan Elliott, Clerk

Moved by: Stacy Wight

Seconded by: Rick Owen

BE IT RESOLVED THAT Report Number 2020-CLK-006 entitled “**Streamlining Committees**” be received,
THAT the Mayor will work with all members of Council for reappointing Councillors to Committees of Council as listed in Attachment 1 and report back with recommended appointments in January of 2021,
THAT the updated members of the public listed in Attachment 1 are hereby approved,
THAT the members of Council appointed to the external Committees listed in Attachment 2 are hereby approved,
THAT staff be directed to work with the respective committees for updating the Committee Terms of Reference, specifically the purpose and required number of members by utilizing the standardized template in Attachment 3,
THAT staff be directed to present a Committee Member Appointments Policy for Council approval and after its passing begin advertising for vacant committee member positions,

THAT the Acting Mayor schedule in Attachment 4 be approved,
THAT Stacy Wight be appointed Alternate to the Mayor on the Municipal Emergency Control Group and Eugene Ivanov as Chair for Council Budget deliberations, and
THAT staff be directed to present a by-law to repeal By-law Number 19-113, being a By-Law to Name Members to Various Committees and as Acting Mayor.

CARRIED

6.10 2021 Corporate Calendar
Meagan Elliott, Clerk

Moved by: Casey Owens

Seconded by: Eugene Ivanov

BE IT RESOLVED THAT Memorandum Number 2020-CLK-010 entitled “**2021 Corporate Calendar**” be received,

THAT the Regular Meeting of Council dates presented on the Corporate Calendar in Attachment 1 are hereby approved, and

THAT committee dates and times are subject to change as communicated through the Clerk and do not require Council approval.

CARRIED

7. Consideration of Notices of Motion

None noted.

8. Introduction, Reading and Consideration of By-Laws

Moved by: Rick Owen

Seconded by: Lad Shaba

BE IT RESOLVED THAT the following by-law 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;

By-law Number 20-095, being a by-law to authorize the Mayor and Clerk to execute an agreement with Electronic Products Recycling Association for the Collection of used electrical and electronic equipment.

CARRIED

Moved by: Rick Owen

Seconded by: Casey Owens

BE IT RESOLVED THAT the following by-law 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;

By-law Number 20-096, being a by-law to repeal a by-law to sell certain town surplus land – 3 McKelvie Ave.

CARRIED

9. Questions from Council to Staff

None noted.

10. Notice(s) of Motion

None noted.

11. Councillor's Reports

11.1 Councillor Updates

Moved by: Stacy Wight

Seconded by: Casey Owens

BE IT RESOLVED THAT the verbal updates from members of Council be received.

CARRIED

12. Additional Information

12.1 Opioid Awareness

Moved by: Rick Owen

Seconded by: Lad Shaba

BE IT RESOLVED THAT the letter from Josee Merrick for Opioid Awareness Day – August 31st, be received.

CARRIED

12.2 Correspondence from Bernadine Cozac

Moved by: Eugene Ivanov

Seconded by: Rick Owen

BE IT RESOLVED THAT the letter dated December 3, 2020 from Bernadine Cozac be received.

CARRIED

13. Closed Session

Moved by: Lad Shaba

Seconded by: Stacy Wight

BE IT RESOLVED THAT Council move into a Closed Session pursuant to Section 239(2) to discuss 2 land disposition matters, 1 labour relations matter, 1 matter that subject to solicitor-client privilege and potential litigation, and 2 matters about identifiable individuals.

CARRIED

Council moved into Closed Session at 5:47 pm

- 13.1 Minutes of the Closed Session of Council held December 1, 2020
- 13.2 Request to Purchase – Park Street
Jenna McNaughton, Planning Administrator/Recycling Coordinator/Data Manager
- 13.3 Request to Purchase – Heritage North
Richard Charbonneau, Acting Director of Development Services
- 13.4 Collective Bargaining - CUPE Local 26
Kassandra Young, Human Resources Supervisor
- 13.5 Pay Equity
Richard McGee, Chief Administrative Officer
- 13.6 Goodfish Road Maintenance
Richard McGee, Chief Administrative Officer

Council rose from Closed Session at 7:12pm

14. Matters from Closed Session

Councillor Rick Owen left Council Chambers at 7:13pm

Moved by: Casey Owens

Seconded by: Stacy Wight

BE IT RESOLVED THAT Council hereby approves the Memorandum of Settlement dated December 3, 2020 between the Corporation of the Town of Kirkland Lake and the Canadian Union of Public Employees Local 26 where all classifications will receive a 1.5% rate increase for Years 1, 2, and 3 and a 2.0% rate increase for Year 4, and a 2.5% rate increase for Year 5, and

THAT staff be directed to consolidate the Collective Agreement and present it to Council with an authorizing By-law to execute the Collective Agreement as soon as the Collective Agreement is ratified.

CARRIED

Councillor Rick Owen returned to Council Chambers at 7:14pm

15. Confirmation By-Law

Moved by: Eugene Ivanov

Seconded by: Rick Owen

BE IT RESOLVED THAT the following by-law 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;

By-law Number 20-097, being a by-law to confirm the proceedings of Council at its meeting held December 15, 2020.

CARRIED

16. Adjournment

Moved by: Lad Shaba

Seconded by: Eugene Ivanov

BE IT RESOLVED THAT Council adjourn the December 15, 2020 Regular Meeting of Council.

CARRIED

The meeting adjourned at: 7:15pm

Pat Kiely, Mayor

Meagan Elliott, Clerk

DRAFT



MINUTES

Corporation of the Town of Kirkland Lake
Emergency Meeting of Council
Electronically via Zoom
December 17, 2020
4:00 p.m.

Attendance

Mayor: Pat Kiely
Councillors: Casey Owens
Stacy Wight
Eugene Ivanov
Rick Owen
Lad Shaba
Patrick Adams
Delegated Clerk: Paul Cassan

1. Call to Order and Moment of Silence

Mayor Pat Kiely requested a moment of silence.

2. Approval of the Agenda

Moved by: Councillor Casey Owens
Seconded by: Councillor Lad Shaba

BE IT RESOLVED THAT the Agenda for the Emergency Meeting of Council held on December 17, 2020 beginning at 4:22 p.m. be approved as circulated to all Members of Council, and

THAT Council for the Corporation of the Town of Kirkland Lake hereby waives notice in accordance with Section 13 of By-law Number 15-075 and agrees to meet for the purpose of 1 Closed Session item in accordance with section 239(2) of the Municipal Act.

CARRIED

3. Declaration of Pecuniary Interest

None

4. Closed Session

Moved by: Councillor Stacy Wight
Seconded by: Councillor Eugene Ivanov

BE IT RESOLVED THAT Council move into a Closed Session pursuant to Section 239(2) to discuss 1 matter involving personal matters about an identifiable individual and advice that is subject to solicitor-client privilege.

CARRIED

Council moved into Closed Session at 4:24 PM

4.1 Paul Cassan and Nuala Kenny, Wishart Law Firm LLP

Councillor Patrick Adams lost connection and left the closed meeting at approx. 5:00 PM

Council rose from Closed Session at 5:14 pm

5. **Matters from Closed Session**

6. **Confirmation By-Law**

Moved by: Councillor Casey Owens

Seconded by: Councillor Rick Owen

BE IT RESOLVED THAT the following by-law 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;

By-law Number 20-099, being a by-law to confirm the proceedings of Council at its meeting held December 17, 2020.

CARRIED

7. **Adjournment**

Moved by: Councillor Rick Owen

Seconded by: Eugene Ivanov

BE IT RESOLVED THAT Council adjourn the December 17, 2020 Emergency Meeting of Council.

CARRIED

The meeting adjourned at: 5:16 PM

Pat Kiely, Mayor

Paul Cassan, Delegated Clerk

REPORT TO COUNCIL

Meeting Date: 12/29/2020

Report Number: 2021-DEV-002

Presented by: Wilfred Hass

Department: Development Services

REPORT TITLE

Proposed Timber Harvesting

RECOMMENDATION(S)

BE IT RESOLVED THAT Report Number 2021-DEV-002 entitled “**Proposed Timber Harvesting**” be received, and

THAT staff be directed to hold public consultations on the proposed harvesting of timber on municipally owned lands (identified as Site One and Site Two in this Report) and report back to Council with the results.

BACKGROUND

In 2009, staff recommended undertaking a review of municipally owned lands to determine timber values. Staff subsequently produced a Land Management Agreement to provide long term guidance to the Town for the management of its forest resources that is consistent with the municipality’s Official Plan and parallels the policies and practices employed in the management of Crown Forests. The Agreement, 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 tenure of 10 years, spanning 2012 - 2022.

In May of 2018, 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. In February 2020, Council approved expanding the scope of work to include harvesting in Blocks TKL 13 and 14. This reflected a request from the Golden Snowdrifters Snowmobile Club, as the harvesting would enable the Club to reroute its existing trails to enhance safety and improve

access to Kirkland Lake from Sesekinika. This was completed in the spring of 2020 and generated an additional \$35,000 in revenue. Revenue that was generated from the cuts was directed to support the Community Improvement Plan.

R A T I O N A L E

Staff were contacted by forestry companies this past autumn regarding the Town's interest in additional harvesting activities. This interest reflects current timber prices and the fact that both areas comprise mature timber and are easily accessible and/or located near other harvesting areas. Staff commissioned a Registered Professional Forester to independently assess each area. The following is based on his report. Revenue estimates are not included so as to avoid influencing any future proposals.

Site #1: KL Landfill Parcel

Legal Description: PCL 9969 SEC CST; Mining Claim L28300 Gauthier Township

Location: Immediately to the East of the entrance to the Kirkland Lake Landfill.

Possible Access Options: Landfill Road

Composition: Comprises over 95% mature jack pine (80 years old)

Stand #	AGE	HARVEST AREA (Hectares)	Available Block Volume (cubic metres)					TOTAL
			Jack pine	Other Conifers	Total Conifer	Poplar	Birch	
28107	77	5.88	888.4	0.0	888.4	0.0	0.0	888.4
30907	77	4.31	711.9	0.0	711.9	50.9	0.0	762.8
32306	77	2.61	489.3	0.0	489.3	0.0	0.0	489.3
								0.0
TOTAL		12.6	2047.6	0.0	2047.6	50.9	0.0	2098.5

Special Notes:

- All trees reserved to the Crown (and therefore Crown Dues are payable)
- Stand is beginning to decline due to age of trees
- Parcel is NOT part of municipal Landowner Management Agreement.

Recommendations:

- That the Municipality consider entering into an agreement with a Timber Harvester or mill via a competitive process through which the bidders

provide a “lump sum” bid for the right to obtain a Forest Resource Licence (FRL) for the area from the Ministry of Natural Resources and Forestry and conduct harvesting operations.

- That the successful bidder be required to make full payment to the Municipality in advance of harvesting, provide a performance bond to ensure that the area is successfully replanted to jack pine. Once the area was replanted, the bond would be refunded.

Site #2: Elsie Lake

Legal Description:

Harvesting in all or part of the following:

- Block TK4: Mining Claims: L7058, L7057, L16680, L4869, L16614, L4230, L14192, L40218
- Block TK5: Mining Claims: L6863, L6843, L9814, L9809, L9811, L24029, L6083
- Block TK6: Mining Claims: L9810, L7411, L6842, L9812, L9813, L390, L4266
- Block TK10: Mining Claims RSC210, RSC209, RSC210

Location:

North of Blanche River, South of Perron Lake, West of Elsie Lake

Possible Access Options:

- Swastika via Riverside Street (short distance, one value crossing, summer construction, facilitates access to riverfront)
- South Bay Road (longer distance, multiple value crossings, winter operations, additional time to harvesting)

Composition:

Jack Pine, Spruce Poplar, Birch

		Estimated Block Volumes (cubic metres)						
Block	Timber Ownership	Jack Pine	Black spruce	White Spruce	Balsam fir	Poplar	Birch	Total
TK4	ATR	428	149	92		145	157	971
TK4	PR	5334	1860	1131		1778	1924	12027
TK5	ATR	2157	753	465		730	791	4896
TK5	PR	2868	1425	586		921	1052	6852
TK6	ATR	1555	751	259	3	503	546	3617
TK6	PR	3614	1272	642		1189	1265	7982
TK10	NTR	420	0	145	217	918	271	1971
TK10	PR	4694	3846	2198	30	4324	2863	17955
								0
TOTAL		21070	10056	5518	250	10508	8869	56271

Special Notes:

- “All Trees Reserved” and “Pine Reserved” to the Crown on the titles.

Recommendations:

- That the Municipality considers releasing a formal, competitive and public Request for Bids through which it will solicit bids for the harvesting of the some or all of these blocks.
- That the successful bidder provide a “lump sum” bid for the right to obtain a Forest Resource Licence (FRL) for the area from the Ministry of Natural Resources and Forestry and conduct harvesting operations.
- That the successful bidder should be required to make full payment to the municipality in advance of harvesting, provide a performance bond and ensure that the area is successfully regenerated as per the Preferred Silvicultural Ground Rules (Table 8) in the Agreement. Once the area was replanted, the bond would be refunded.
- That a set-back of a minimum of 200 metres from the Blanche River be imposed.

Staff recommend that, should Council be interested in proceeding, the following steps be taken:

- Post the Site descriptions on the Town’s website, and invite comments over a two week period of time.

- Hold a virtual meeting wherein the proposed areas are introduced and a moderated discussion is held. Participation would be through pre-registration.
- Summarize public feedback in a report to Council.
- Release a Request for Proposal for one or both sites, and or specific blocks within those sites, that accommodates to the most practical extent possible, the feedback received.

This process will ensure that public concerns are acknowledged before any commitments are made, and that these concerns are reflected in the RFP. It is recommended that the same RFP as was used for the 2018 harvest be utilized as it is comprehensive, can be amended to incorporate additional direction, and contains important provisions that protect the interests of the Municipality. Specifically, the RFP stipulates that the successful bidder must:

- Provide all services, labour, supervision, tools, equipment, expertise and material at its sole expense;
- Assume responsibility to acquire the timber rights on behalf of the Municipality for parcels containing ATR (All Trees Reserved) and/or PR (Pines Reserved) designations. The Municipality retains ownership of the land and ownership of the timber rights;
- Be responsible for the completion of all applicable permits, licences etc. from the Ministry of Natural Resources and Forestry and all other ministries and/or agencies;
- Be responsible for the payment of any and all applicable Crown dues and fees.
- Be solely responsible for the remediation of issue(s) and/or payment of penalties related to any infractions contrary to the Crown Forest Sustainability Act or other regulations or legislation;
- Ensure that harvesting standards are carried out to Provincial standards (at minimum);
- Ensure that all round wood is delivered to approved mills in Ontario consistent with the Land Management Agreement and MNR District Wood Movement Policy;
- Provide records of all timber delivered from the parcels to mills;
- Ensure that any municipal roads and/or existing forest access roads/trails remain open to the public during and following the harvesting operation (within safe parameters) and are left in as good condition or better than they were prior to the harvesting operation;
- Provide a harvest and renewal plan prior to the commencement of any work under the contract, and this plan must be consistent with “Silvicultural Ground Rules” contained in the Land Management Agreement. A performance bond must be deposited with the Municipality to ensure conditions are met.

OTHER ALTERNATIVES CONSIDERED

Council may choose not to engage in any harvesting, or to limit any proposed cuts.

Council may opt to proceed directly to the release of an RFP. In this scenario, staff recommends that the RFP include a condition that the successful bidder hold a public consultation as part of the process.

FINANCIAL CONSIDERATIONS

According to the independent assessment commissioned, revenue will be generated from any harvesting that is undertaken. To avoid unduly influencing the RFP process, we recommend against revealing possible values at this time.

As previously noted, revenues generated from harvesting operations to date were directed towards the Community Improvement Plan. Should Council decide to proceed with harvesting the blocks identified above, Council may wish to consider allocating a portion of the revenues realized towards the cost of updating the Land Management Agreement, as the ten year period covered by the Agreement expires in 2022.

RELATIONSHIP TO STRATEGIC PRIORITIES

- 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

Interim Director of Development Services
Treasury

ATTACHMENTS

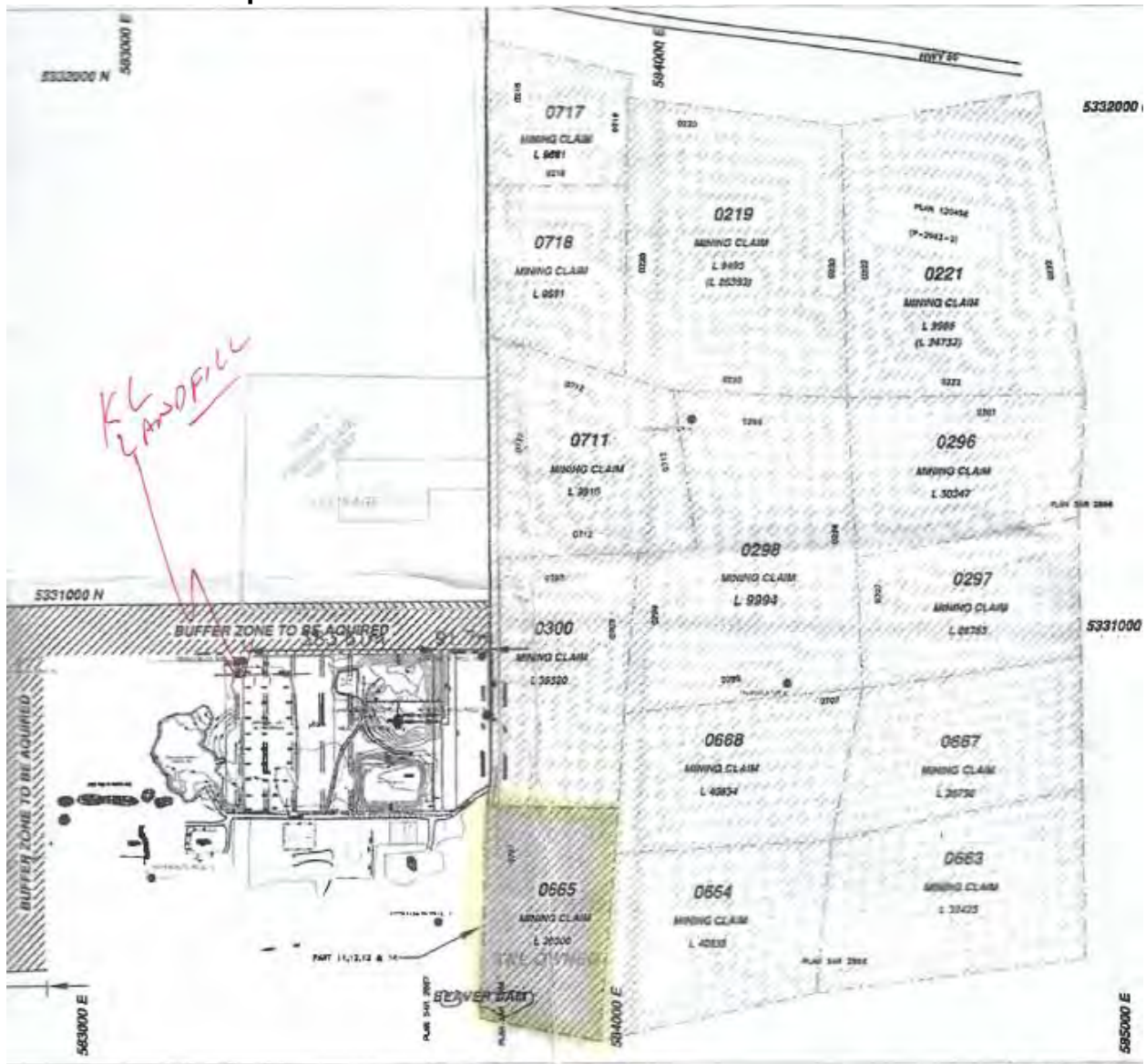
Attachment 1: Site #1 – Area Map
Attachment 2: Site #1 - Stand Map
Attachment 3: Site #2 – Proposed Area and Aerial View

Attachment 4: Site #2 – Blocks TKL 4, 5, 6, 10

Attachment 5: TKL Land Management Agreement (Text Only)

Attachment 6: 2018 Harvesting RFP (for reference ONLY)

Site #1 – Area Map

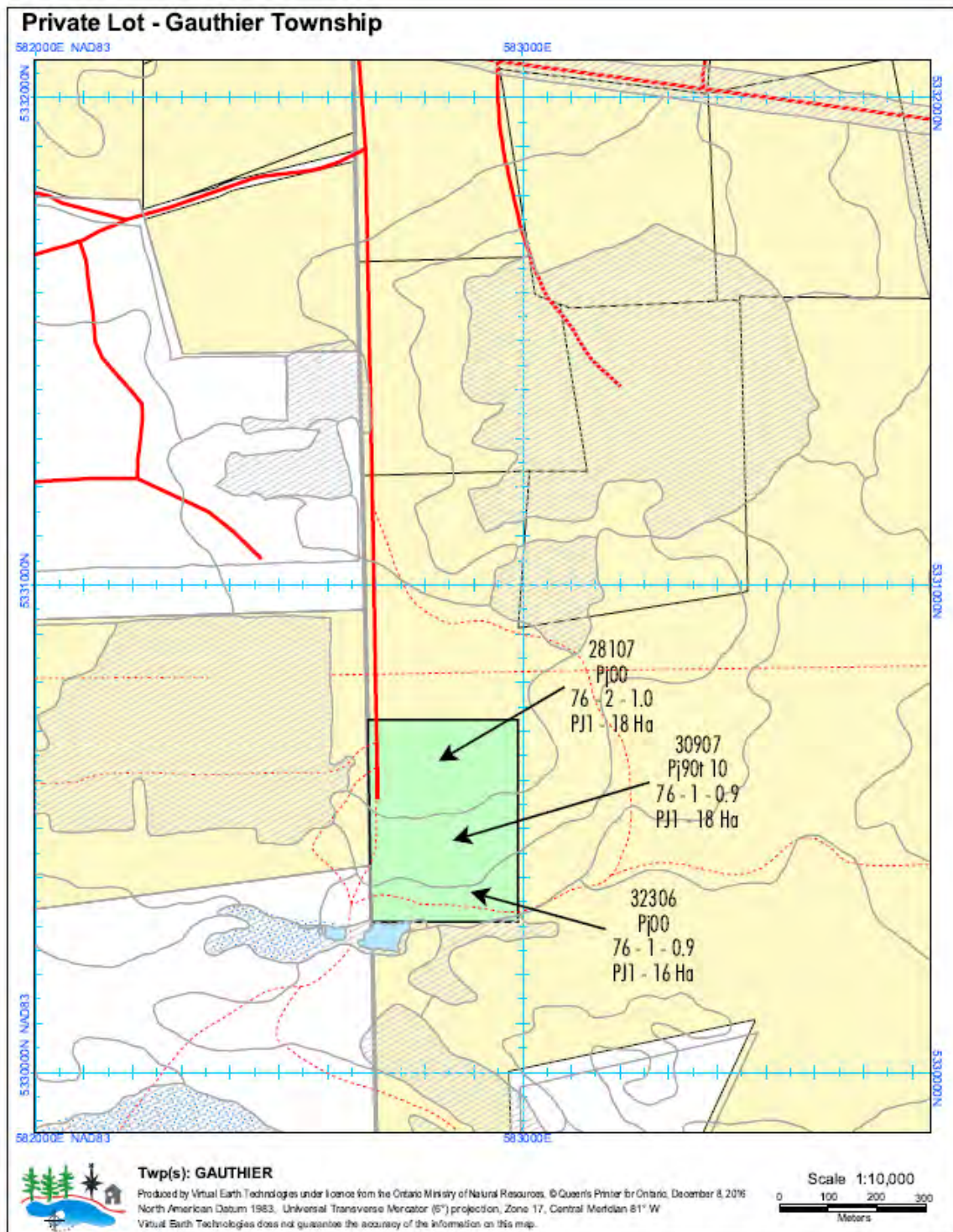


KIRKLAND LAKE LANDFILL SITE
FEBRUARY 2012

THE CORPORATION OF
THE TOWN OF KIRKLAND L.
DISTRICT OF TEMISKAMING O.N.T.

DATE: 01/25/12
FILE: 2012
REVISION: 01

Site #1 - Stand Map



An aerial photograph of a large, irregularly shaped lake surrounded by dense evergreen forests. The lake has several small islands and peninsulas. In the background, rolling hills and mountains are visible under a cloudy sky. The text is overlaid in the center of the image.

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
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Date

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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&ptvf=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.

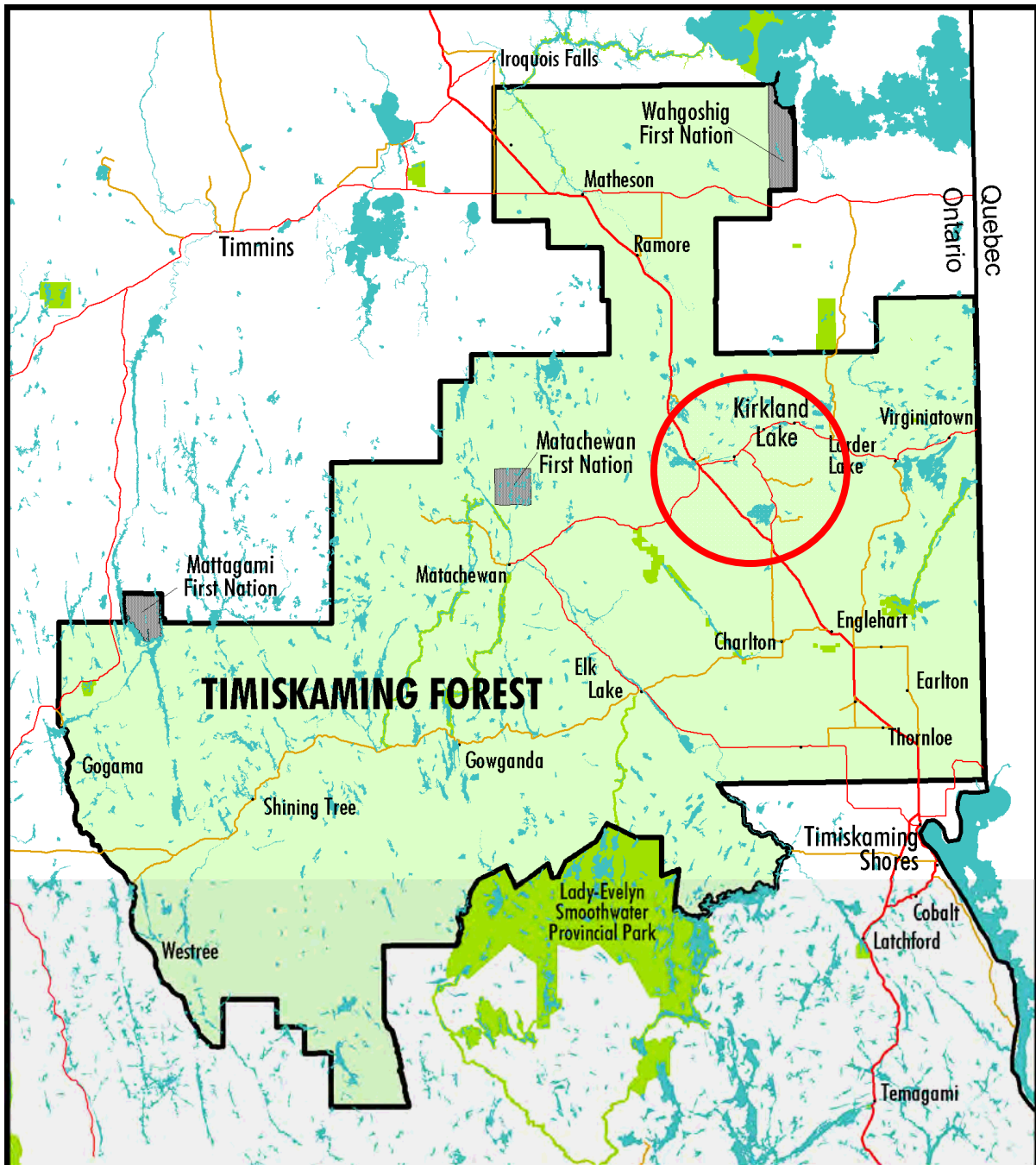


Figure 1 – Timiskaming Forest and the Kirkland Lake Area

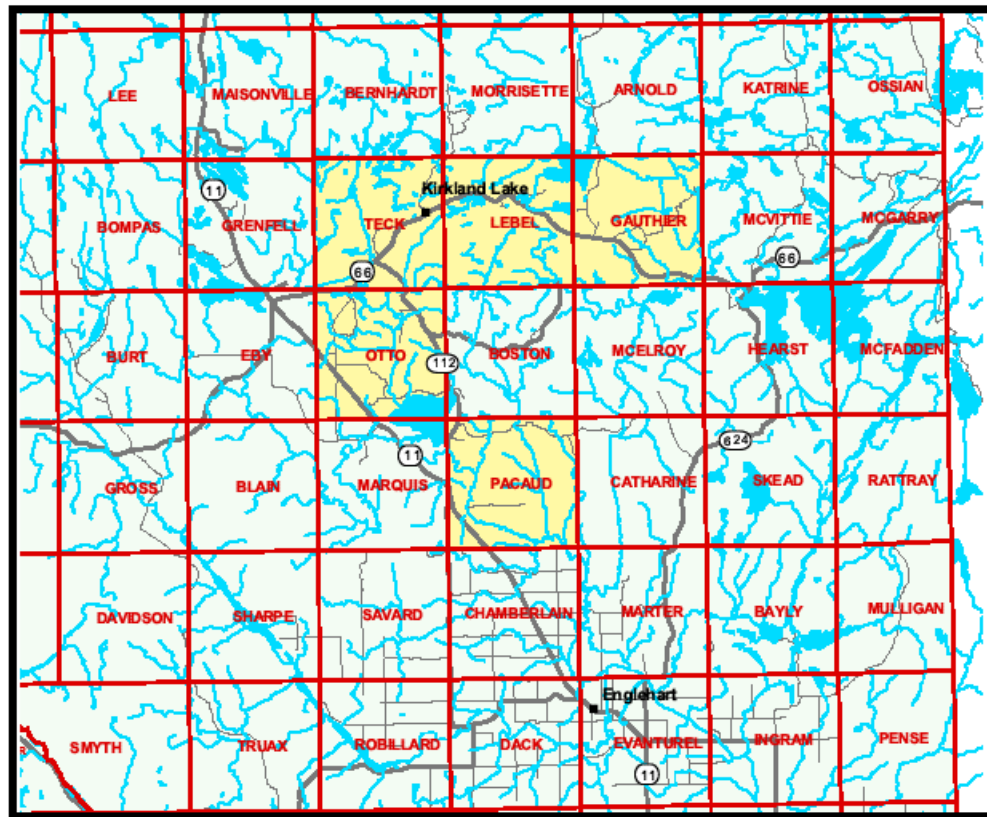


Figure 2 - Highlighted Townships of the 2012-2022 Kirkland Lake Landowner Management Agreement (LMA)

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).

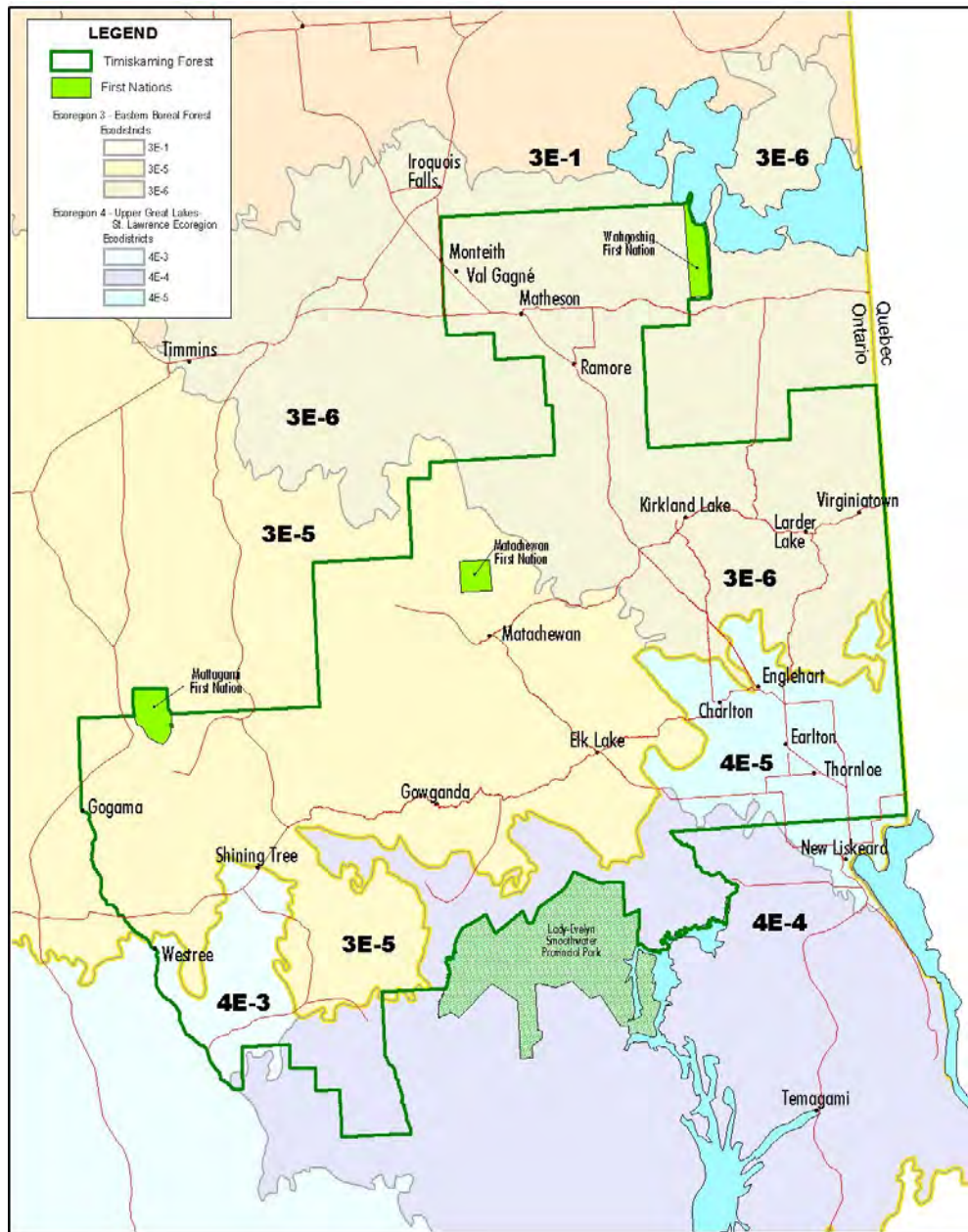


Figure 3 - Ecoregions Kirkland Lake Area Land Management Agreement

Table 1. Summary of Ecoregion 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.

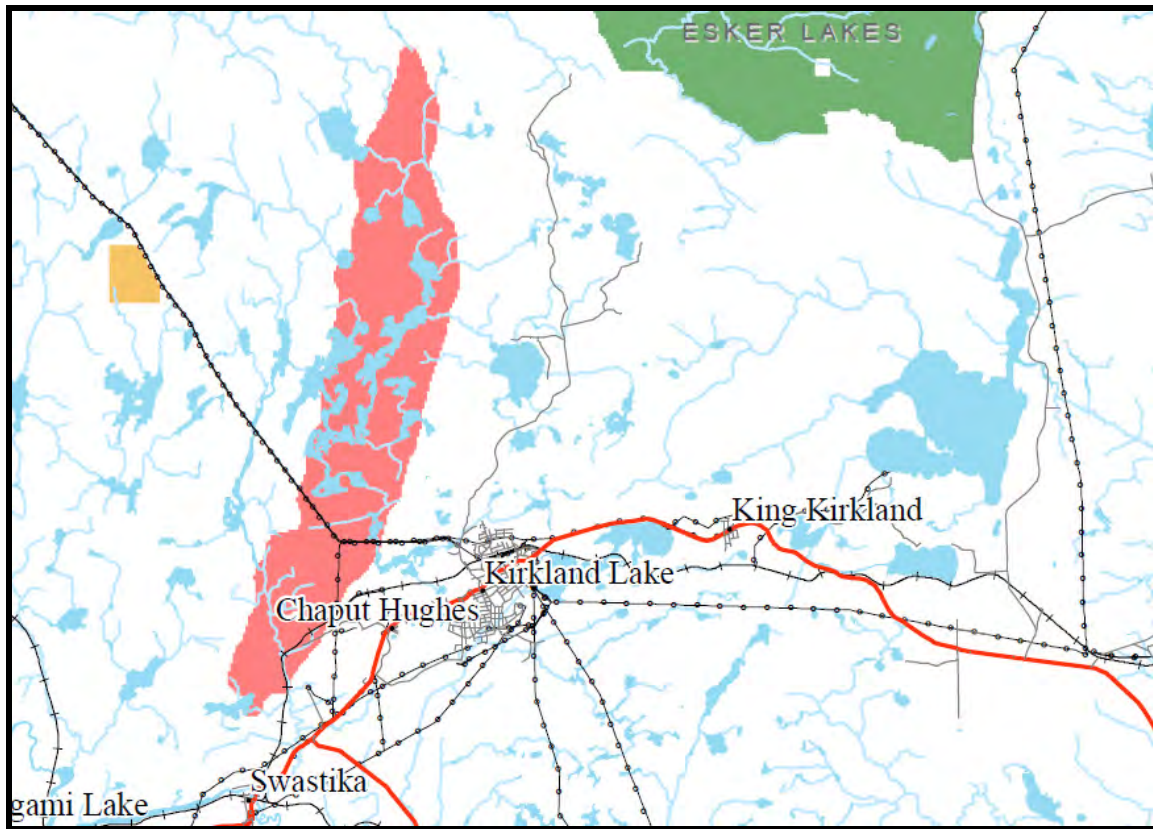


Figure 4 KL Fire #008 (2012)



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																			
Forest Unit	Harvest Area Ha.	Reserve Area Ha.	Total Area Ha.	Volume in Cubic Meters															
				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
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.

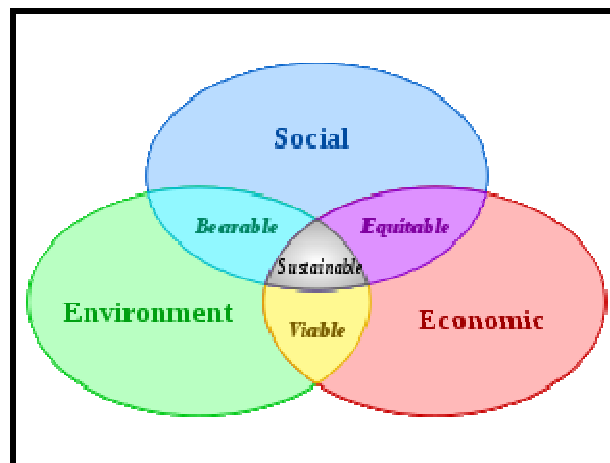


Figure 5. The Three Pillars of Sustainability

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

Forest Unit	PJ2 (Jack Pine Mixed)	SGR Code	PJ2_int	Planting Density (stems per hectare)	2200
Composition	Pj6Sb2Po1Bw1	Desired FFC	PJ2 Pj6Sb3Po1	Target Density (stems per ha)	1750
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 (1.0), Sb (0.8), Sw(0.8), Po (1.0), Bw (1.0), Pr (1.0)
Regeneration Method	Plant*		% of FFC composed of Target Species		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 (Spuce / 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), OtherTolHW (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), OtherTolHW (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
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
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), OtherTolHW (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, OtherTolHW
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), OtherTolHW (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
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 $\geq 4\text{m}^2$ / 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
Cheminis 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, delimbers, 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

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	TK20	Teck	L5285	ATR	6964	MW1	AOC	0.3	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	10	8	5	3	0	0	13	7	0	46			
Town KL	TK20	Teck	L9072	ATR	967	MW1	AOC	0.3	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	10	8	5	3	0	0	14	7	0	47			
Town KL	TK20	Teck	L9072	ATR	6964	MW1	AOC	0.1	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	4	3	2	1	0	0	6	3	0	21			
Town KL	TK20	Teck	L9072	ATR	99366	MW1	AOC	0.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L9072	ATR	99366	MW1	AOC	0.6	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	20	16	10	7	0	0	27	15	0	94			
Town KL	TK20	Teck	L9072	ATR	99664	MW1	AOC	0.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	0	0	0	0	0	1	0	0	2				
Town KL	TK20	Teck	L9073	ATR	3371	MW1	AOC	0.1	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	2	2	1	1	0	0	3	2	0	10			
Town KL	TK20	Teck	L9073	ATR	4078	MW1	AOC	0.2	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	5	1	1	1	0	0	7	5	0	20			
Town KL	TK20	Teck	L9073	ATR	6964	MW1	AOC	0.3	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	12	9	6	4	0	0	16	9	0	55			
Town KL	TK20	Teck	L9073	ATR	6964	MW1	AOC	1.1	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	38	30	19	13	0	0	52	28	0	179			
Town KL	TK20	Teck	L9073	ATR	6964	MW1	AOC	1.2	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	43	34	21	14	0	0	59	32	0	203			
Subtotal Block TK20 ATR Area of Concern								4.1						0.0	0.0	142.3	110.9	69.6	48.0	0.0	0.0	197.8	108.1	0.0	676.7			
Town KL	TK20	Teck	L5285	ATR	6964	MW1	Harvest	7.3	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	254	202	126	87	0	0	353	191	0	1,212			
Town KL	TK20	Teck	L5285	ATR	12270	SF1	Harvest	0.8	SB 50SW 10BF 10LA 10PO 10BW 10	85	10.0	0.70	2	0	0	0	30	6	5	0	4	15	7	0	67			
Town KL	TK20	Teck	L5285	ATR	12270	SF1	Harvest	0.0	SB 50SW 10BF 10LA 10PO 10BW 10	85	10.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L5287	ATR	6964	MW1	Harvest	20.3	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	709	565	351	242	0	0	985	532	0	3,385			
Town KL	TK20	Teck	L5287	ATR	6964	MW1	Harvest	0.7	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	23	18	11	8	0	0	32	17	0	110			
Town KL	TK20	Teck	L5287	ATR	12270	SF1	Harvest	0.8	SB 50SW 10BF 10LA 10PO 10BW 10	85	10.0	0.70	2	0	0	0	29	6	5	0	4	14	7	0	65			
Town KL	TK20	Teck	L5287	ATR	12270	SF1	Harvest	0.0	SB 50SW 10BF 10LA 10PO 10BW 10	85	10.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L9072	ATR	967	MW1	Harvest	3.6	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	125	100	62	43	0	0	174	94	0	599			
Town KL	TK20	Teck	L9072	ATR	967	MW1	Harvest	0.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L9072	ATR	967	MW1	Harvest	0.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L9072	ATR	6964	MW1	Harvest	1.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	35	28	17	12	0	0	49	26	0	167			
Town KL	TK20	Teck	L9072	ATR	99366	MW1	Harvest	4.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	141	112	70	48	0	0	195	106	0	671			
Town KL	TK20	Teck	L9072	ATR	99366	MW1	Harvest	0.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L9072	ATR	99366	MW1	Harvest	0.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L9072	ATR	99664	MW1	Harvest	0.1	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	3	3	2	1	0	0	4	2	0	15			
Town KL	TK20	Teck	L9073	ATR	3371	MW1	Harvest	0.3	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	9	7	4	3	0	0	13	7	0	43			
Town KL	TK20	Teck	L9073	ATR	4078	MW1	Harvest	0.0	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L9073	ATR	4078	MW1	Harvest	0.0	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L9073	ATR	6964	MW1	Harvest	15.8	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	550	438	273	188	0	0	764	413	0	2,625			
Town KL	TK20	Teck	L9073	ATR	6964	MW1	Harvest	0.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L9073	ATR	6964	MW1	Harvest	0.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L9073	ATR	6964	MW1	Harvest	0.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L9073	ATR	6964	MW1	Harvest	0.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L9073	ATR	6964	MW1	Harvest	0.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK20	Teck	L9073	ATR	6964	MW1	Harvest	0.0	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Subtotal Block TK20 ATR Harvest								54.6						0.0	0.0	1,849.4	1,532.7	929.2	640.2	0.0	7.9	2,599.2	1,402.3	0.0	8,960.9			
Town KL	TK20	Teck	L3588	PR	6964	MW1	Harvest	7.3	PJ 20SB 20BW 20PO 20BF 10SW 10	85	14.0	0.80	1	0	0	255	203	126	87	0	0	355	192	0	1,218			
Town KL	TK20	Teck	L3588	PR	12270	SF1	Harvest	2.6	SB 50SW 10BF 10LA 10PO 10BW 10	85	10.0	0.70	2	0	0	0	93	19	15	0	12	46	22	0	207			
Town KL	TK20	Teck	L3588	PR	16867	SF1	Harvest	1.6	SB 30PO 20SW 20BF 10PJ 10BW 10	85	11.0	0.60	2	0	0	17	29	20	8	0	0	48	11	0	133			
Town KL	TK20	Teck	L4555	PR	11559	MW2	Harvest	9.4	BW 40PO 20SW 10BF 10SB 10PJ 10	85	16.0	0.80	2	0	0	135	78	81	64	0	0	382	365	0	1,105			
Town KL	TK20	Teck	L4555	PR	11559	MW2	Harvest	0.1	BW 40PO 20SW 10BF 10SB 10PJ 10	85	16.0	0.80	2	0	0	2	1	1	1	0	0	6	5	0	16			
Town KL	TK20	Teck	L4555	PR	12270	SF1	Harvest	5.6	SB 50SW 10BF 10LA 10PO 10BW 10	85	10.0	0.70	2	0	0	0	204	43	33	0	27	100	48	0	454			
Subtotal Block TK20 PR Harvest								26.5						0.0	0.0	408.8	608.5	291.6	207.7	0.0	39.2	935.2	642.8	0.0	3,133.8			
Town KL	TK20	Teck	L4555	PR	6551	PO1	Ineligible	0.0	PO 100	19	0.4	0.00	2	0	0	0	0	0	0	0	0	0	0	0	0			
Subtotal Block TK20 PR Ineligible								0.0						0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Town KL	TK20	Teck	L5285		8569	OMS	Non-Prod	1.7																				
Town KL	TK20	Teck	L5287		661	BSH	Non-Prod	1.4																				
Town KL	TK20	Teck	L9072		94968	BSH	Non-Prod	0.2																				
Town KL	TK20	Teck	L9072		6172	WAT	Non-Prod	3.9																				
Town KL	TK20	Teck	L9073		8569	OMS	Non-Prod	4.9																				

Town KL Town KL	TK20 TK20	Teck Teck	L9073 L9073		661 6172	BSH WAT	Non-Prod Non-Prod	1.3 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

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	TK21	Teck	L13035	ATR	4078	MW1	AOC	0.3	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	9	2	3	2	0	0	12	9	0	36	
Town KL	TK21	Teck	L13035	ATR	7074	MW1	AOC	0.0	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK21	Teck	L21873	ATR	96771	MW1	AOC	0.1	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	4	1	1	1	0	0	6	4	0	18	
Town KL	TK21	Teck	L25810	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	
Town KL	TK21	Teck	L25810	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	4	4	1	11	
Town KL	TK21	Teck	L25810	ATR	91064	MW1	AOC	0.6	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	16.0	0.80	2	0	0	17	5	5	4	0	0	25	12	8	76	
Town KL	TK21	Teck	L25810	ATR	96771	MW1	AOC	0.9	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	26	8	8	6	0	0	37	27	0	111	
Town KL	TK21	Teck	L25810	ATR	96771	MW1	AOC	0.0	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	1	
Town KL	TK21	Teck	L27781	ATR	88573	SF1	AOC	1.5	PJ 20BW 20SW 20BF 20PO 10SB 10	85	16.0	0.70	0	0	0	48	27	54	43	0	0	34	37	0	243	
Town KL	TK21	Teck	L27781	ATR	88573	SF1	AOC	1.1	PJ 20BW 20SW 20BF 20PO 10SB 10	85	16.0	0.70	0	0	0	36	20	41	32	0	0	26	28	0	183	
Town KL	TK21	Teck	L27783	ATR	5191	MW1	AOC	0.0	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK21	Teck	L27783	ATR	96771	MW1	AOC	1.1	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	31	9	9	7	0	0	44	31	0	131	
Town KL	TK21	Teck	L27783	ATR	92776	SF1	AOC	1.4	PJ 20BW 20SW 20BF 20PO 10SB 10	85	16.0	0.70	0	0	0	44	25	50	39	0	0	31	33	0	222	
Town KL	TK21	Teck	L27784	ATR	96771	MW1	AOC	0.7	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	22	6	7	5	0	0	31	22	0	92	
Town KL	TK21	Teck	L27784	ATR	88573	SF1	AOC	0.3	PJ 20BW 20SW 20BF 20PO 10SB 10	85	16.0	0.70	0	0	0	10	5	11	9	0	0	7	7	0	49	
Town KL	TK21	Teck	L9072	ATR	96771	MW1	AOC	1.2	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	35	10	11	8	0	0	50	36	0	150	
Subtotal Block TK21 ATR Area of Concern														0.0	0.0	282.4	120.0	200.2	157.0	0.0	0.0	305.3	249.8	8.9	1,323.6	
Town KL	TK21	Teck	L13035	ATR	4078	MW1	Harvest	7.0	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	201	58	61	47	0	0	284	204	0	854	
Town KL	TK21	Teck	L13035	ATR	4078	MW1	Harvest	0.0	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK21	Teck	L13035	ATR	7074	MW1	Harvest	0.0	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK21	Teck	L13035	ATR	7878	SP1	Harvest	0.3	SB 70PJ 20BW 10	125	13.0	0.70	2	0	0	4	27	0	0	0	0	0	2	0	34	
Town KL	TK21	Teck	L13035	ATR	7878	SP1	Harvest	0.3	SB 70PJ 20BW 10	125	13.0	0.70	2	0	0	5	29	0	0	0	0	0	2	0	36	
Town KL	TK21	Teck	L13035	ATR	11879	SP1	Harvest	0.0	SB 70PJ 20BW 10	125	13.0	0.70	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK21	Teck	L21873	ATR	96771	MW1	Harvest	12.0	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	344	99	104	81	0	0	488	350	0	1,467	
Town KL	TK21	Teck	L25810	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	
Town KL	TK21	Teck	L25810	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	
Town KL	TK21	Teck	L25810	ATR	89564	BW1	Harvest	0.1	BW 40PO 20BF 10MR 10SW 10SB 10	85	16.0	0.80	2	0	0	0	1	1	1	0	0	4	4	1	11	
Town KL	TK21	Teck	L25810	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	
Town KL	TK21	Teck	L25810	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	
Town KL	TK21	Teck	L25810	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	
Town KL	TK21	Teck	L25810	ATR	91064	MW1	Harvest	0.3	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	16.0	0.80	2	0	0	10	3	3	2	0	0	14	7	4	42	
Town KL	TK21	Teck	L25810	ATR	91064	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	16.0	0.80	2	0	0	1	0	0	0	0	0	2	1	1	5	
Town KL	TK21	Teck	L25810	ATR	96771	MW1	Harvest	2.6	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	75	22	23	18	0	0	106	76	0	319	
Town KL	TK21	Teck	L25810	ATR	96771	MW1	Harvest	0.0	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK21	Teck	L25810	ATR	96771	MW1	Harvest	0.0	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK21	Teck	L25810	ATR	96771	MW1	Harvest	0.0	BW 30PJ 20PO 20BF 10SW 10SB 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK21	Teck	L27781	ATR	88573	SF1	Harvest	9.6	PJ 20BW 20SW 20BF 20PO 10SB 10	85	16.0	0.70	0	0	0	314	176	353	277	0	0	220	239	0	1,579	
Town KL	TK21	Teck	L27781	ATR	88573	SF1	Harvest	0.0	PJ 20BW 20SW 20BF 20PO 10SB 10	85	16.0	0.70	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK21	Teck	L27781	ATR	88573	SF1	Harvest	0.0	PJ 20BW 20SW 20BF 20PO 10SB 10	85	16.0	0.70	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK21	Teck	L27781	ATR	88573	SF1	Harvest	0.0	PJ 20BW 20SW 20BF 20PO 10SB 10	85	16.0	0.70	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK21	Teck	L27781	ATR	88573	SF1	Harvest	0.0	PJ 20BW 20SW 20BF 20PO 10SB 10	85	16.0	0.70	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK21	Teck	L27781	ATR	88573	SF1	Harvest	0.0	PJ 20BW 20SW 20BF 20PO 10SB 10	85	16.0	0.70	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK21	Teck	L27781	ATR	88573	SF1	Harvest	0.0	PJ 20BW 20SW 20BF																	

Harvest Block TK21

[illegible]

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	TK22	Teck	L7839	ATR	21167	MW2	Harvest	10.6	BW 30SB 20PO 20BF 10SW 10PJ 10	85	16.0	0.70	2	0	0	134	155	81	63	0	0	380	272	0	1,086		
Subtotal Block TK22 ATR Harvest														0.0	0.0	134.1	155.4	80.9	62.8	0.0	0.0	380.0	272.5	0.0	1,085.6		
Town KL	TK22	Teck	HR1434	PR	29351	BW1	AOC	0.6	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	7	2	2	0	0	0	19	19	6	55		
Town KL	TK22	Teck	HR1434	PR	31652	BW1	AOC	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK22	Lebel	L1619	PR	33076	MW1	AOC	0.1	PO 30BW 30PJ 20SW 10SB 10	85	16.0	1.00	4	0	0	2	0	0	0	0	0	5	2	0	10		
Town KL	TK22	Lebel	L1619	PR	36571	MW1	AOC	0.1	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	2	0	0	0	0	0	4	2	0	9		
Town KL	TK22	Lebel	L1749	PR	32768	MW1	AOC	0.1	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	2	0	0	0	0	0	4	1	0	8		
Town KL	TK22	Lebel	L1749	PR	33270	MW1	AOC	0.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK22	Lebel	L1749	PR	36571	MW1	AOC	1.3	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	28	4	4	4	0	0	55	19	0	114		
Town KL	TK22	Lebel	L1750	PR	36776	SF1	AOC	0.8	LA 40SB 30BF 10PJ 10PO 10	67	12.0	0.70	3	0	0	7	1	0	0	0	1	9	0	0	17		
Town KL	TK22	Lebel	L1750	PR	36776	SF1	AOC	0.1	LA 40SB 30BF 10PJ 10PO 10	67	12.0	0.70	3	0	0	1	0	0	0	0	0	1	0	0	3		
Town KL	TK22	Teck	L1893	PR	25855	BW1	AOC	0.4	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	5	1	1	0	0	0	13	13	4	38		
Town KL	TK22	Teck	L1893	PR	25855	BW1	AOC	1.3	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	16	4	4	0	0	0	42	43	14	123		
Town KL	TK22	Teck	L1893	PR	25855	BW1	AOC	0.2	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	2	1	1	0	0	0	6	6	2	17		
Town KL	TK22	Teck	L2159	PR	25855	BW1	AOC	0.4	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	5	2	2	0	0	0	15	15	5	43		
Town KL	TK22	Teck	L2159	PR	25855	BW1	AOC	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	1	1	0	3		
Town KL	TK22	Teck	L2159	PR	25855	BW1	AOC	0.3	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	4	1	1	0	0	0	11	11	4	32		
Town KL	TK22	Teck	L2159	PR	11559	MW2	AOC	0.0	BW 40PO 20SW 10BF 10SB 10PJ 10	85	16.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK22	Teck	L2159	PR	11559	MW2	AOC	0.2	BW 40PO 20SW 10BF 10SB 10PJ 10	85	16.0	0.80	2	0	0	3	2	2	2	0	0	10	9	0	28		
Town KL	TK22	Teck	L2159	PR	16853	SF1	AOC	0.2	SB 30PO 20BF 20LA 20SW 10	67	19.0	0.60	0	0	0	0	7	2	4	0	3	6	0	0	22		
Town KL	TK22	Teck	L2860	PR	21167	MW2	AOC	0.2	BW 30SB 20PO 20BF 10SW 10PJ 10	85	16.0	0.70	2	0	0	3	3	2	1	0	0	8	6	0	22		
Town KL	TK22	Teck	L2861	PR	32768	MW1	AOC	0.3	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	7	1	1	1	0	0	13	5	0	27		
Town KL	TK22	Teck	L2861	PR	21167	MW2	AOC	0.4	BW 30SB 20PO 20BF 10SW 10PJ 10	85	16.0	0.70	2	0	0	5	6	3	2	0	0	14	10	0	40		
Town KL	TK22	Lebel	L4991	PR	54165	MW1	AOC	1.2	PJ 30BW 20PO 20BF 10SW 10SB 10	105	19.0	0.60	2	0	0	37	11	11	8	0	0	35	17	0	119		
Town KL	TK22	Lebel	L4991	PR	54165	MW1	AOC	0.2	PJ 30BW 20PO 20BF 10SW 10SB 10	105	19.0	0.60	2	0	0	8	2	2	2	0	0	7	4	0	25		
Town KL	TK22	Lebel	L4991	PR	54165	MW1	AOC	0.0	PJ 30BW 20PO 20BF 10SW 10SB 10	105	19.0	0.60	2	0	0	1	0	0	0	0	0	1	0	0	3		
Town KL	TK22	Lebel	L6872	PR	4057	BW1	AOC	4.0	PO 40BW 30MR 20SB 10	65	14.0	0.80	3	0	0	0	1	0	0	0	0	205	80	46	332		
Subtotal Block TK22 PR Area of Concern														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		
Town KL	TK22	Teck	HR1434	PR	25855	BW1	Harvest	2.1	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	25	7	7	0	0	0	69	71	23	202		
Town KL	TK22	Teck	HR1434	PR	29351	BW1	Harvest	2.9	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	35	10	10	0	0	0	94	97	31	277		
Town KL	TK22	Teck	HR1434	PR	29351	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK22	Teck	HR1434	PR	29351	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK22	Teck	HR1434	PR	29351	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK22	Teck	HR1434	PR	29351	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK22	Lebel	L1619	PR	24975	MW1	Harvest	1.4	PO 40PJ 20PW 20BF 10BW 10	85	17.0	1.00	3	40	0	39	0	0	6	0	0	104	13	0	203		
Town KL	TK22	Lebel	L1619	PR	30372	MW1	Harvest	0.0	PO 40PJ 20PW 20BF 10BW 10	85	17.0	1.00	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK22	Lebel	L1619	PR	30372	MW1	Harvest	0.0	PO 40PJ 20PW 20BF 10BW 10	85	17.0	1.00	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK22	Lebel	L1619	PR	33076	MW1	Harvest	3.9	PO 30BW 30PJ 20SW 10SB 10	85	16.0	1.00	4	0	0	65	12	12	0	0	0	129	66	0	283		
Town KL	TK22	Lebel	L1619	PR	36571	MW1	Harvest	3.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	64	9	9	10	0	0	129	44	0	266		
Town KL	TK22	Lebel	L1619	PR	36776	SF1	Harvest	0.4	LA 40SB 30BF 10PJ 10PO 10	67	12.0	0.70	3	0	0	3	0	0	0	0	0	5	0	0	9		
Town KL	TK22	Lebel	L1749	PR	32768	MW1	Harvest	0.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK22	Lebel	L1749	PR	32768	MW1	Harvest	0.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK22	Lebel	L1749	PR	36571	MW1	Harvest	12.7	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	277	38	39	44	0	0	555	190	0	1,144		
Town KL	TK22	Lebel	L1749	PR	36571	MW1	Harvest	0.0	PO 30BW 20PJ 2																		

Harvest Block TK22

Town KL	TK22	Teck	L1893	PR	25855	BW1	Harvest	6.8	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	83	23	24	0	0	0	223	230	74	656
Town KL	TK22	Teck	L1893	PR	25855	BW1	Harvest	0.1	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	1	0	0	0	0	0	2	3	1	7
Town KL	TK22	Teck	L1893	PR	25855	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L1893	PR	25855	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2026	PR	25855	BW1	Harvest	0.4	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	4	1	1	0	0	0	12	12	4	35
Town KL	TK22	Teck	L2026	PR	25855	BW1	Harvest	0.2	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	2	1	1	0	0	0	6	6	2	17
Town KL	TK22	Teck	L2159	PR	25855	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2159	PR	25855	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2159	PR	25855	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2159	PR	25855	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2159	PR	25855	BW1	Harvest	5.2	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	64	18	18	0	0	0	172	177	57	505
Town KL	TK22	Teck	L2159	PR	25855	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2159	PR	25855	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2159	PR	11559	MW2	Harvest	0.6	BW 40PO 20SW 10BF 10SB 10PJ 10	85	16.0	0.80	2	0	0	8	5	5	4	0	0	23	22	0	67
Town KL	TK22	Teck	L2159	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	1	0	0	1
Town KL	TK22	Teck	L2159	PR	16853	SF1	Harvest	0.1	SB 30PO 20BF 20LA 20SW 10	67	19.0	0.60	0	0	0	0	3	1	2	0	2	3	0	0	11
Town KL	TK22	Teck	L2159	PR	16853	SF1	Harvest	0.0	SB 30PO 20BF 20LA 20SW 10	67	19.0	0.60	0	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2261	PR	25855	BW1	Harvest	0.0	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	1	0	0	0	0	0	2	2	1	5
Town KL	TK22	Teck	L2261	PR	25855	BW1	Harvest	1.4	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	17	5	5	0	0	0	45	46	15	132
Town KL	TK22	Teck	L2261	PR	25855	BW1	Harvest	0.4	BW 40PO 20SW 10MR 10SB 10PJ 10	85	14.0	0.90	3	0	0	5	1	1	0	0	0	12	13	4	36
Town KL	TK22	Teck	L2860	PR	21167	MW2	Harvest	8.4	BW 30SB 20PO 20BF 10SW 10PJ 10	85	16.0	0.70	2	0	0	106	122	64	49	0	0	299	214	0	854
Town KL	TK22	Teck	L2861	PR	32768	MW1	Harvest	0.4	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	10	1	1	2	0	0	19	7	0	40
Town KL	TK22	Teck	L2861	PR	32768	MW1	Harvest	0.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2861	PR	32768	MW1	Harvest	0.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2861	PR	32768	MW1	Harvest	0.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2861	PR	32768	MW1	Harvest	0.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2861	PR	32768	MW1	Harvest	0.0	PO 30BW 20PJ 20BF 10SW 10SB 10	85	17.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2861	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	122	88	0	349
Town KL	TK22	Teck	L2861	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	TK22	Teck	L2861	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	TK22	Lebel	L4991	PR	54165	MW1	Harvest	0.1	PJ 30BW 20PO 20BF 10SW 10SB 10	105	19.0	0.60	2	0	0	2	1	1	0	0	0	2	1	0	7
Town KL	TK22	Lebel	L4991	PR	54165	MW1	Harvest	12.0	PJ 30BW 20PO 20BF 10SW 10SB 10	105	19.0	0.60	2	0	0	384	113	119	83	0	0	367	178	0	1,245
Town KL	TK22	Lebel	L6872	PR	4057	BW1	Harvest	3.7	PO 40BW 30MR 20SB 10	65	14.0	0.80	3	0	0	0	1	0	0	0	0	187	73	42	303
Town KL	TK22	Lebel	L6872	PR	4057	BW1	Harvest	0.1	PO 40BW 30MR 20SB 10	65	14.0	0.80	3	0	0	0	0	0	0	0	0	6	2	1	10
Town KL	TK22	Lebel	L6872	PR	4057	BW1	Harvest	7.8	PO 40BW 30MR 20SB 10	65	14.0	0.80	3	0	0	0	2	0	0	0	0	395	154	89	640
Subtotal Block TK22 PR Harvest									90.9					40.4	0.0	1,389.9	442.3	357.5	231.8	0.0	12.8	3,244.3	1,786.5	355.3	7,860.9
Town KL	TK22	Lebel	L1749	PR	45678	PO1	Ineligible	0.0	PO 100	11	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK22	Teck	L2860	PR	20663	SB1	Ineligible	1.8	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Block TK22 PR Ineligible									1.8				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	TK22	Teck	HR1434		20950	BSH	Non-Prod	4.7																	
Town KL	TK22	Teck	HR1434		31050	UCL	Non-Prod	0.0																	
Town KL	TK22	Teck	HR1434		32054	WAT	Non-Prod	1.8																	
Town KL	TK22	Teck	HR1434		21035	UCL	Non-Prod	4.2																	
Town KL	TK22	Lebel	L1619		30875	BSH	Non-Prod	6.5																	
Town KL	TK22	Lebel	L1749		34271	WAT	Non-Prod	1.8																	
Town KL	TK22	Lebel	L1750		30875	BSH	Non-Prod	1.9																	
Town KL	TK22	Teck	L1893		25558	UCL	Non-Prod	0.3																	
Town KL	TK22	Teck	L1893		26557	WAT	Non-Prod	0.1																	
Town KL	TK22	Teck	L1893		20950	BSH	Non-Prod	2.1																	
Town KL	TK22	Teck	L1893		32054	WAT	Non-Prod	0.4																	
Town KL	TK22	Teck	L2026		28859	OMS	Non-Prod	4.7																	
Town KL	TK22	Teck	L2026		25558	UCL	Non-Prod	5.2																	
Town KL	TK22	Teck	L2159		25558	UCL	Non-Prod	8.1																	
Town KL	TK22	Teck	L2159		20559	OMS	Non-Prod	0.2																	
Town KL	TK22	Teck	L2159		21756	WAT	Non-Prod	0.7																	
Town KL	TK22	Teck	L2159		26557	WAT	Non-Prod	0.3																	
Town KL	TK22	Teck	L2159		20950	BSH	Non-Prod	0.0																	
Town KL	TK22	Teck	L2261		20950	BSH	Non-Prod	6.9																	
Town KL	TK22	Teck	L2261		24552	UCL	Non-Prod	2.1																	
Town KL	TK22	Teck	L2261		21035	UCL	Non-Prod	1.3																	
Town KL	TK22	Teck	L2860		24868	BSH	Non-Prod	0.4																	

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	1	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	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	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	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		
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		
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	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	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	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	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	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		
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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		
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	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	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	8	4	0	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	55	29	0	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	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	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	19	5	0	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	
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	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	
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	
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	
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	
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	
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	
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	
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	
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	1	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	
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	
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			

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	
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	
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

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	TK26	Teck	L9852	ATR	30712	MW1	Harvest	0.6	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	10	0	0	0	0	0	27	7	0	44		
Town KL	TK26	Teck	L9852	ATR	30712	MW1	Harvest	13.4	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	215	1	1	0	0	0	598	156	0	972		
Subtotal Block TK26 ATR Harvest								14.0						0.0	0.0	224.8	1.4	1.4	0.0	0.0	0.0	625.2	163.0	0.0	1,015.8		
Town KL	TK26	Teck	L9852	ATR	23107	SF1	Ineligible	1.8	SB 30LA 30PO 20BF 10BW 10	42	4.0	0.60	2	0	0	0	0	0	0	0	32	8	0	40			
Subtotal Block TK26 ATR Ineligible								1.8						0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.8	7.9	0.0	39.7		
Town KL	TK26	Lebel	L1480	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	5	1	0	8			
Town KL	TK26	Teck	L16691	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			
Town KL	TK26	Teck	L16691	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			
Town KL	TK26	Teck	L16691	PR	14212	SB1	AOC	0.6	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	20009	MW1	AOC	0.5	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	8	0	0	0	0	23	6	0	38			
Town KL	TK26	Teck	L6786	PR	15909	PO1	AOC	0.8	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	AOC	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	L6786	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			
Town KL	TK26	Teck	L6786	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			
Town KL	TK26	Teck	RL505	PR	30712	MW1	AOC	0.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	0	0	0	0	0	1	0	0	1			
Town KL	TK26	Teck	RL505	PR	20312	SB1	AOC	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	AOC	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	AOC	1.2	SB 30LA 30PO 20BF 10BW 10	42	4.0	0.60	2	0	0	0	0	0	0	0	21	5	0	26			
Town KL	TK26	Teck	RW230	PR	20009	MW1	AOC	0.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	0	0	0	0	0	1	0	0	1			
Town KL	TK26	Teck	RW230	PR	18213	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	1			
Town KL	TK26	Teck	RW230	PR	18213	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	1			
Town KL	TK26	Teck	RW230	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			
Town KL	TK26	Teck	RW230	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			
Town KL	TK26	Teck	RW230	PR	15913	PO1	AOC	0.1	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	AOC	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	AOC	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	20311	SB1	AOC	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	AOC	2.8	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0			
Subtotal Block TK26 PR Area of Concern								7.0						0.0	0.0	10.8	0.1	0.1	0.0	0.0	0.0	50.9	13.0	0.0	75.0		
Town KL	TK26	Lebel	L1449	PR	30712	MW1	Harvest	9.8	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	158	1	1	0	0	438	114	0	712			
Town KL	TK26	Lebel	L1449	PR	30712	MW1	Harvest	0.9	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	14	0	0	0	0	39	10	0	63			
Town KL	TK26	Lebel	L1480	PR	30712	MW1	Harvest	4.9	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	79	0	0	0	0	219	57	0	356			
Town KL	TK26	Teck	L2249	PR	30712	MW1	Harvest	0.2	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	4	0	0	0	0	11	3	0	18			
Town KL	TK26	Teck	L2249	PR	30712	MW1	Harvest	2.3	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	37	0	0	0	0	102	27	0	165			
Town KL	TK26	Teck	L2250	PR	25914	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			
Town KL	TK26	Teck	L2250	PR	30712	MW1	Harvest	3.9	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	62	0	0	0	0	172	45	0	279			
Town KL	TK26	Teck	L6786	PR	17906	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			
Town KL	TK26	Teck	L6786	PR	20009	MW1	Harvest	1.9	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	31	0	0	0	0	86	22	0	139			
Town KL	TK26	Teck	L6786	PR	16103	MW1	Harvest	0.3	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	6	1	1	0	0	15	4	0	26			
Town KL	TK26	Teck	RL505	PR	20009	MW1	Harvest	0.2	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	3	0	0	0	0	8	2	0	13			
Town KL	TK26	Teck	RL505	PR	30712	MW1	Harvest	1.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	16	0	0	0	0	46	12	0	75			
Town KL	TK26	Teck	RL505	PR	30712	MW1	Harvest	1.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	15	0	0	0	0	42	11	0	69			
Town KL	TK26	Teck	RW230	PR	20009	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	1			
Town KL	TK26	Teck	RW230	PR	20009	MW1	Harvest	0.5	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	8	0	0	0	0	22	6	0	36			
Town KL	TK26	Teck	RW230	PR	18213	MW1	Harvest	8.8	PO 40BW 20PJ 20SW 10SB 10	85	18.0	0.70	3	0	0	167	24	24	0	0	449	116	0	780			
Subtotal Block TK26 PR Harvest								35.7						0.0	0.0	599.2	27.2	27.2	0.0	0.0	0.0	1,649.8	429.2	0.0	2,732.7		
Town KL	TK26	Lebel	L1480	PR	33818	SP1	Ineligible	1.1	SB 50BW 20SW 10PO 10PJ 10	65	10.0	0.60	1	0	0	13	38	9	0	0	17	18	0	95			
Town KL	TK26	Teck	L16691	PR	15913	PO1	Ineligible	0.0	PO 100	41	2.1	0.00	3	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK26	Teck	L16691	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	L16691	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	L16691	PR	14212	SB1	Ineligible	3.4	SB 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK26	Teck	L2249	PR	27916	PO1	Ineligible	0.7	PO 100	41	0.0	0.00	3	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK26	Teck	L6179	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	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	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	TK27	Lebel	L7875	ATR	53832	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
Subtotal Block TK27 ATR Area of Concern									0.0					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Town KL	TK27	Lebel	L7875	ATR	53832	BW1	Harvest	2.8	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	16	0	7	0	0	148	96	0	268		
Town KL	TK27	Lebel	L7875	ATR	53832	BW1	Harvest	0.7	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	4	0	2	0	0	40	26	0	72		
Subtotal Block TK27 ATR Harvest									3.5					0.0	0.0	0.0	20.6	0.0	9.2	0.0	0.0	188.1	121.4	0.0	339.3		
Town KL	TK27	Lebel	L1661	PR	36830	BW1	AOC	0.6	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	5	0	0	0	0	0	6	22	0	34		
Town KL	TK27	Lebel	L1661	PR	40934	MW2	AOC	1.8	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	26	30	16	0	0	0	112	53	0	238		
Town KL	TK27	Lebel	L2029	PR	36830	BW1	AOC	0.2	BW 70SB 10PO 10PJ 10	45	6.0	0.80	2	0	0	1	0	0	0	0	2	6	0	10			
Town KL	TK27	Lebel	L2029	PR	40934	MW2	AOC	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	1	0	0	1			
Town KL	TK27	Lebel	L2034	PR	53832	BW1	AOC	0.1	BW 40PO 30SB 20BF 10	65	13.0	0.80	2	0	0	0	1	0	0	0	0	8	5	0	14		
Subtotal Block TK27 PR Area of Concern									2.7					0.0	0.0	32.8	31.3	16.0	0.4	0.0	0.0	128.2	87.3	0.0	295.9		
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK27	Lebel	L1661	PR	40934	MW2	Harvest	0.0	BW 30PO 30SB 20SW 10PJ 10	85	17.0	0.80	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	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	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	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	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
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
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	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	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	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	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	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
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	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
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	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	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 Compostion	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	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	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	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	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	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	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	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
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	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
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
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	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	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	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	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	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
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	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	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
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
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
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
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	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
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
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											Total
														White Pine	Red Pine	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0	
Subtotal Block TK42 PR Area of Concern														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	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	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														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	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	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	0	1	
Subtotal Block TK42 PR Ineligible														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																										
				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 Compostion	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 Compostion	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	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	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 Compostion	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	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	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	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 Compostion	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	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	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	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	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																		

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 Compostion	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	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	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	0.9	
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	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	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	1	
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	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	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	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	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	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	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	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	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	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	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	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	0	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	0	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	0	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	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	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	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	0	1	2	1	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	0	1	37	4	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	0	10	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0	26	97	46	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	0	8	29	14	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	0	3	92	11	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	0	1	48	6	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	

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
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
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	0	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	0	5	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	0	18	0	0	0	1	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	38	0	4	0	4	13	0	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	2	0	1	0	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	0	1	2	0	0	0	1	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	0	1	3	0	0	0	2	0	1	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	0	1	1	0	0	0	1	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	0	2	3	0	0	0	2	0	1	0	7
Gauthier	G6	Gauthier	L9270	ATR	71361	SP1		AOC	0.2	SB 50PJ 40PO 10	37	3.0	0.60	2	0	0	0	5	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	0	3	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	0	6	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	0	3	2	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	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	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	0	4	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	0	1	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	0	2	0	0	0	0	1	0	0	0	3
Gauthier	G6	Gauthier	L9290	ATR	68562																						

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	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	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	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	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	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	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	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	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	
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	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	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	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	
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	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	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	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	
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	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	
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	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			

				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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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		
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	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		
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	44	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	0	3	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		
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	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		
Gauthier	G7	Gauthier	L10559	ATR	89466	SB1	SB1_EXT	Harvest	0.5	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	0.0	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	89466	SB1	SB1_EXT	Harvest	5.8	SB 80SW 10PO 10	85	12.0	0.80	1	0	0	0	649	101	0	0	141	0	891		
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	27	0	0	0	9	5	62		
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	11	2	0	0	2	0	15		
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	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	PO1_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	PO1_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	PO1_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																

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	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	1	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	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	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	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	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																											

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	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	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	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	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	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	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	2	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	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	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	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																											
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	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	1	0	2	0	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	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	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	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	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	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	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 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	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	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	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														0.0	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														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 40PJ 30SW 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														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			

Harvest Block TK1

Town	KL	TK1	Teck	HR1408	PR	24383	MW1	Harvest	0.5	PO 40BW	20PJ	20SW	10SB	10		85	22.0	0.70	2	0	0	0	11	3	3	0	0	0	32	8	0	58
Town	KL	TK1	Teck	HR1408	PR	24383	MW1	Harvest	1.3	PO 40BW	20PJ	20SW	10SB	10		85	22.0	0.70	2	0	0	0	34	10	10	0	0	0	95	23	0	171
Town	KL	TK1	Teck	HR1408	PR	21887	PO1	Harvest	3.5	PO 90BW	10					85	23.0	0.80	2	0	0	0	0	0	0	0	0	637	34	0	671	
Town	KL	TK1	Teck	HR1408	PR	21887	PO1	Harvest	0.0	PO 90BW	10					85	23.0	0.80	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Town	KL	TK1	Teck	HR1409	PR	23477	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	0
Town	KL	TK1	Teck	HR1409	PR	24383	MW1	Harvest	8.6	PO 40BW	20PJ	20SW	10SB	10		85	22.0	0.70	2	0	0	0	218	63	66	0	0	0	617	148	0	1,112
Town	KL	TK1	Teck	HR1420	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	0	1	0	0	1
Town	KL	TK1	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	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	Teck	HR1420	PR	34190	MW1	Harvest	0.0	PJ 30BW	3																					

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
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	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	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
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
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
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
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
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	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
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
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
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
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
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
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
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
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
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
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	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
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
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
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
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
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
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
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
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
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	12	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																		
								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	
								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	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	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	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	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	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	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	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	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	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	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	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	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	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	1				
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	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 1																				

				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	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

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	TK3	Teck	L37796	ATR	6287	MW1	AOC	0.9	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	17	0	0	0	0	0	0	36	19	0	72	
Town KL	TK3	Teck	L9404	ATR	8995	SF1	AOC	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	0	
Town KL	TK3	Teck	RSC272	ATR	8995	SF1	AOC	0.9	SB 40LA 30PJ 20PB 10	77	17.0	0.50	0	0	0	22	46	0	0	0	0	23	15	0	0	105	
Town KL	TK3	Teck	RSC272	ATR	10596	SF1	AOC	0.6	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	7	31	0	0	0	0	15	20	0	0	73	
Town KL	TK3	Teck	RSC273	ATR	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	TK3	Teck	RSC273	ATR	11299	MW1	AOC	0.7	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	11	0	0	0	0	0	0	31	8	0	50	
Town KL	TK3	Teck	RSC273	ATR	10596	SF1	AOC	0.0	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Town KL	TK3	Teck	RSC273	ATR	10596	SF1	AOC	0.4	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	4	18	0	0	0	0	9	12	0	0	43	
Town KL	TK3	Teck	RSC274	ATR	11299	MW1	AOC	0.9	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	14	0	0	0	0	0	39	10	0	0	64	
Town KL	TK3	Teck	RSC274	ATR	23203	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	
Subtotal Block TK3 ATR Area of Concern								4.4						0.0	0.0	75.5	95.4	0.3	0.0	0.0	46.9	153.1	37.0	0.0	408.3		
Town KL	TK3	Teck	L37795	ATR	6287	MW1	Harvest	9.6	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	175	2	2	0	0	0	367	191	0	738		
Town KL	TK3	Teck	L37796	ATR	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	0	0	0	0	
Town KL	TK3	Teck	L37796	ATR	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	0	0	0	0	
Town KL	TK3	Teck	L37796	ATR	6287	MW1	Harvest	16.1	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	294	3	3	0	0	0	616	321	0	1,238		
Town KL	TK3	Teck	L7933	ATR	6287	MW1	Harvest	0.3	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	5	0	0	0	0	0	11	6	0	22		
Town KL	TK3	Teck	L7933	ATR	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	6	3	0	12		
Town KL	TK3	Teck	L8197	ATR	6287	MW1	Harvest	6.2	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	113	1	1	0	0	0	238	124	0	477		
Town KL	TK3	Teck	L9404	ATR	6287	MW1	Harvest	2.9	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	52	1	1	0	0	0	109	57	0	219		
Town KL	TK3	Teck	L9404	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	1		
Town KL	TK3	Teck	L9404	ATR	8995	SF1	Harvest	0.0	SB 40LA 30PJ 20PB 10	77	17.0	0.50	0	0	0	0	1	0	0	0	0	0	0	0	1		
Town KL	TK3	Teck	RSC272	ATR	6287	MW1	Harvest	7.5	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	136	1	1	0	0	0	286	149	0	575		
Town KL	TK3	Teck	RSC272	ATR	6287	MW1	Harvest	1.0	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	18	0	0	0	0	0	39	20	0	78		
Town KL	TK3	Teck	RSC272	ATR	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	0	0	0	0		
Town KL	TK3	Teck	RSC272	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	TK3	Teck	RSC272	ATR	8995	SF1	Harvest	4.2	SB 40LA 30PJ 20PB 10	77	17.0	0.50	0	0	0	97	207	0	0	0	102	67	0	0	473		
Town KL	TK3	Teck	RSC272	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	TK3	Teck	RSC272	ATR	10596	SF1	Harvest	0.0	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK3	Teck	RSC272	ATR	10596	SF1	Harvest	0.0	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK3	Teck	RSC272	ATR	10596	SF1	Harvest	0.0	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK3	Teck	RSC272	ATR	10596	SF1	Harvest	0.3	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	4	17	0	0	0	8	11	0	0	40		
Town KL	TK3	Teck	RSC273	ATR	11299	MW1	Harvest	3.6	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	57	0	0	0	0	0	160	42	0	259		
Town KL	TK3	Teck	RSC273	ATR	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	0	0	0	0		
Town KL	TK3	Teck	RSC273	ATR	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	0	0	0	0		
Town KL	TK3	Teck	RSC273	ATR	10596	SF1	Harvest	0.7	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	8	36	0	0	0	18	24	0	0	86		
Town KL	TK3	Teck	RSC273	ATR	10596	SF1	Harvest	0.0	SB 40LA 30PJ 10PO 10PB 10	77	17.0	0.50	0	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK3	Teck	RSC274	ATR	11299	MW1	Harvest	1.0	PO 40BW 20PJ 20SW 10SB 10	65	14.0	0.70	3	0	0	16	0	0	0	0	0	44	11	0	71		
Town KL	TK3	Teck	RSC274	ATR	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	0	0	0	0		
Town KL	TK3	Teck	RSC274	ATR	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	0	0	0	0		
Town KL	TK3	Teck	RSC274	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	TK3	Teck	RSC274	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		
Subtotal Block TK3 ATR Harvest								53.7						0.0	0.0	980.5	271.3	9.2	0.0	0.0	129.4	1,978.5	924.2	0.0	4,293.2		
Town KL	TK3	Teck	RSC273	ATR	10098	LC1	Ineligible	0.6	SB 50LA 20CE 10PJ 10PO 10	57	14.0	0.40	0	0	0	5	19	0	0	2	6	6	0	0	37		
Subtotal Block TK3 ATR Ineligible								0.6						0.0	0.0	4.6	19.2	0.0	0.0	1.8	5.9	5.9	0.0	0.0	37.4		
Town KL	TK3	Teck	HR776	PR	98182	MW1	AOC	0.1	BW 40PJ 20PO 20SW 10SB 10	70	16.0	0.80	1	0	0	5	2	2	0	0	0	6	7	0	21		
Subtotal Block TK3 PR Area of Concern								0.1						0.0	0.0	4.7	1.5	1.8	0.0	0.0	0.0	6.3	6.8	0.0	21.1		
Town KL	TK3	Teck	HR776	PR	98182	MW1	Harvest	9.5	BW 40PJ 20PO 20SW 10SB 10	70	16.0	0.80	1	0	0	318	101	124	0	0	0	423	455	0	1,420		
Town KL	TK3	Teck	HR777	PR	6287	MW1	Harvest	13.1	PO 30BW 30PJ 20SW 10SB 10	65	14.0	0.80	3	0	0	238	3	3	0	0	0	500	260	0	1,004		
Subtotal Block TK3 PR Harvest								22.6						0.0	0.0	555.8	103.7	126.6	0.0	0.0	0.0	922.5	715.4	0.0	2,424.0		
Town KL	TK3	Teck	HR776		2989	BSH	Non-Prod	5.6																			
Town KL	TK3	Teck	HR776		881	RCK	Non-Prod	3.2																			

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

Forest Management Plan - Operational Block Summary																										
Land Owner	Block Number	Township	Mining Claim	Timber Own	Stand Number	Forest Unit	Depletion Type	Area	Species	Compost	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	TK4	Teck	L40218	ATR	41887	SP1	AOC	0.2	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	12	4	3	0	0	0	4	4	0	27
				Subtotal Block TK4 ATR Area of Concern					0.2						0.0	0.0	12.0	4.2	2.6	0.0	0.0	0.0	4.1	4.4	0.0	27.3
Town KL	TK4	Teck	L40218	ATR	41887	SP1	Harvest	6.3	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	428	149	92	0	0	0	145	157	0	972
				Subtotal Block TK4 ATR Harvest					6.3						0.0	0.0	428.1	149.4	92.3	0.0	0.0	0.0	145.0	156.9	0.0	971.7
Town KL	TK4	Teck	L14192	PR	41887	SP1	AOC	0.4	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	27	9	6	0	0	0	9	10	0	61
Town KL	TK4	Teck	L14192	PR	41887	SP1	AOC	0.2	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	11	4	2	0	0	0	4	4	0	25
Town KL	TK4	Teck	L16614	PR	41887	SP1	AOC	1.3	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	88	31	19	0	0	0	30	32	0	199
Town KL	TK4	Teck	L16614	PR	41887	SP1	AOC	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	3	1	1	0	0	0	1	1	0	7
Town KL	TK4	Teck	L16614	PR	41887	SP1	AOC	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L16614	PR	41887	SP1	AOC	0.1	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	4	1	1	0	0	0	1	1	0	9
Town KL	TK4	Teck	L16680	PR	41887	SP1	AOC	0.1	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	5	2	1	0	0	0	2	2	0	11
Town KL	TK4	Teck	L16680	PR	41887	SP1	AOC	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L16680	PR	41887	SP1	AOC	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	2	1	1	0	0	0	1	1	0	5
				Subtotal Block TK4 PR Area of Concern					2.1						0.0	0.0	139.8	48.8	30.1	0.0	0.0	0.0	47.4	51.3	0.0	317.4
Town KL	TK4	Teck	L14192	PR	41887	SP1	Harvest	17.2	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	1,170	408	252	0	0	0	396	429	0	2,656
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.8	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	57	20	12	0	0	0	19	21	0	129
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.7	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	46	16	10	0	0	0	16	17	0	105
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	1	0	0	0	0	0	0	0	0	2
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L16614	PR	41887	SP1	Harvest	9.2	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	626	218	135	0	0	0	212	229	0	1,420
Town KL	TK4	Teck	L16680	PR	36199	SP1	Harvest	1.0	PJ 40SB	20BW 2	75	17.0	0.60	1	0	0	53	19	11	0	0	0	18	19	0	120
Town KL	TK4	Teck	L16680	PR	36199	SP1	Harvest	0.7	PJ 40SB	20BW 2	75	17.0	0.60	1	0	0	36	13	8	0	0	0	12	13	0	81
Town KL	TK4	Teck	L16680	PR	41887	SP1	Harvest	12.2	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	830	290	179	0	0	0	281	304	0	1,884
Town KL	TK4	Teck	L4230	PR	41887	SP1	Harvest	13.2	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	902	315	194	0	0	0	306	331	0	2,048
Town KL	TK4	Teck	L4230	PR	42992	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L4869	PR	36199	SP1	Harvest	0.5	PJ 40SB	20BW 2	75	17.0	0.60	1	0	0	26	9	6	0	0	0	9	10	0	60
Town KL	TK4	Teck	L4869	PR	41887	SP1	Harvest	10.2	PJ 40SB	20BW 2	75	17.0	0.80	1	0	0	697	243	150	0	0	0	236	256	0	1,583
Town KL	TK4	Teck	L7057	PR	41600	PJ1	Harvest	0.8	PJ 70SB	30	77	20.0	0.70	1	0	0	83	26	0	0	0	0	0	0	0	109
Town KL	TK4	Teck	L7057	PR	36199	SP1	Harvest	10.6	PJ 40SB	20BW 2	75	17.0	0.60	1	0	0	539	189	116	0	0	0	183	197	0	1,224
Town KL	TK4	Teck	L7057	PR	38896	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.60	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L7057	PR	38896	SP1	Harvest	0.0	PJ 40SB	20BW 2	75	17.0	0.60	1	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L7058	PR	36199	SP1	Harvest	5.2	PJ 40SB	20BW 2	75	17.0	0.60	1	0	0	267	94	58	0	0	0	91	98	0	607
				Subtotal Block TK4 PR Harvest					82.3						0.0	0.0	5,334.0	1,860.2	1,131.6	0.0	0.0	0.0	1,778.5	1,924.4	0.0	12,028.8
Town KL	TK4	Teck	L4869	PR	40295	LC1	Ineligible	1.2	LA 70SB	30	52	8.0	0.60	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L7057	PR	41199	LC1	Ineligible	0.9	LA 70SB	30	57	10.0	0.80	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L7057	PR	41496	LC1	Ineligible	0.0	LA 70SB	30	52	8.0	0.60	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK4	Teck	L7057	PR	41496	LC1	Ineligible	0.0	LA 70SB	30	52	8.0	0.60	3	0	0	0	0	0	0	0	0	0	0	0	0
				Subtotal Block TK4 PR Ineligible					2.1						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	TK4	Teck	L14192		47085	BSH	Non-Prod	2.5																		

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

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	TK5	Teck	L24029	ATR	41887	SP1	AOC	0.8	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	55	19	12	0	0	0	19	20	0	125			
Town KL	TK5	Teck	L24029	ATR	41887	SP1	AOC	0.1	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	8	3	2	0	0	0	3	3	0	19			
Town KL	TK5	Teck	L9809	ATR	41887	SP1	AOC	0.1	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	5	2	1	0	0	0	2	2	0	11			
Town KL	TK5	Teck	L9809	ATR	41887	SP1	AOC	0.1	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	6	2	1	0	0	0	2	2	0	13			
Town KL	TK5	Teck	L9811	ATR	41887	SP1	AOC	0.5	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	31	11	7	0	0	0	10	11	0	70			
Town KL	TK5	Teck	L9811	ATR	41887	SP1	AOC	0.9	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	61	21	13	0	0	0	21	22	0	138			
Subtotal Block TK5 ATR Area of Concern								2.4						0.0	0.0	165.6	57.8	35.7	0.0	0.0	0.0	56.1	60.7	0.0	376.0			
Town KL	TK5	Teck	L24029	ATR	41887	SP1	Harvest	7.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	478	167	103	0	0	0	162	175	0	1,084			
Town KL	TK5	Teck	L9809	ATR	41887	SP1	Harvest	9.9	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	676	236	146	0	0	0	229	248	0	1,534			
Town KL	TK5	Teck	L9809	ATR	41887	SP1	Harvest	0.8	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	53	19	11	0	0	0	18	19	0	120			
Town KL	TK5	Teck	L9811	ATR	41887	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK5	Teck	L9811	ATR	41887	SP1	Harvest	2.7	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	186	65	40	0	0	0	63	68	0	423			
Town KL	TK5	Teck	L9811	ATR	41887	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK5	Teck	L9811	ATR	41887	SP1	Harvest	0.3	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	18	6	4	0	0	0	6	6	0	40			
Town KL	TK5	Teck	L9814	ATR	41887	SP1	Harvest	11.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	748	261	161	0	0	0	253	274	0	1,697			
Town KL	TK5	Teck	L9814	ATR	42992	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK5	Teck	L9814	ATR	42992	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Subtotal Block TK5 ATR Harvest								31.6						0.0	0.0	2,157.9	753.1	465.1	0.0	0.0	0.0	730.9	791.0	0.0	4,898.1			
Town KL	TK5	Teck	L6083	PR	41887	SP1	AOC	0.1	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	7	2	1	0	0	0	2	2	0	15			
Town KL	TK5	Teck	L6083	PR	41887	SP1	AOC	1.8	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	124	43	27	0	0	0	42	45	0	281			
Town KL	TK5	Teck	L6863	PR	41887	SP1	AOC	0.5	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	32	11	7	0	0	0	11	12	0	73			
Town KL	TK5	Teck	L6863	PR	41887	SP1	AOC	1.1	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	72	25	16	0	0	0	24	26	0	164			
Town KL	TK5	Teck	L6863	PR	41887	SP1	AOC	0.1	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	8	3	2	0	0	0	3	3	0	19			
Town KL	TK5	Teck	L6863	PR	43997	SP1	AOC	0.2	SB 60PJ 20LA 10BW 10	77	17.0	0.80	0	0	0	8	25	0	0	0	3	0	3	0	38			
Town KL	TK5	Teck	L6863	PR	46501	SP1	AOC	0.1	SB 50PJ 30LA 10BW 10	77	17.0	0.80	0	0	0	3	6	0	0	0	1	0	1	0	11			
Subtotal Block TK5 PR Area of Concern								3.8						0.0	0.0	254.5	115.9	52.4	0.0	0.0	3.5	82.4	93.0	0.0	601.8			
Town KL	TK5	Teck	L6083	PR	41887	SP1	Harvest	7.4	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	507	177	109	0	0	0	172	186	0	1,150			
Town KL	TK5	Teck	L6083	PR	41887	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	1			
Town KL	TK5	Teck	L6083	PR	41887	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK5	Teck	L6843	PR	41887	SP1	Harvest	11.1	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	755	264	163	0	0	0	256	277	0	1,714			
Town KL	TK5	Teck	L6843	PR	41887	SP1	Harvest	10.4	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	706	246	152	0	0	0	239	259	0	1,602			
Town KL	TK5	Teck	L6843	PR	43997	SP1	Harvest	0.0	SB 60PJ 20LA 10BW 10	77	17.0	0.80	0	0	0	1	2	0	0	0	0	0	0	0	4			
Town KL	TK5	Teck	L6863	PR	41887	SP1	Harvest	0.1	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	7	2	1	0	0	0	2	2	0	15			
Town KL	TK5	Teck	L6863	PR	41887	SP1	Harvest	0.2	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	14	5	3	0	0	0	5	5	0	32			
Town KL	TK5	Teck	L6863	PR	41887	SP1	Harvest	1.6	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	108	38	23	0	0	0	36	39	0	244			
Town KL	TK5	Teck	L6863	PR	41887	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK5	Teck	L6863	PR	41887	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK5	Teck	L6863	PR	41887	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	1			
Town KL	TK5	Teck	L6863	PR	41887	SP1	Harvest	9.1	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	622	217	134	0	0	0	211	228	0	1,412			
Town KL	TK5	Teck	L6863	PR	42992	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK5	Teck	L6863	PR	43997	SP1	Harvest	0.0	SB 60PJ 20LA 10BW 10	77	17.0	0.80	0	0	0	0	0	0	0	0	0	0	0	0	0			
Town KL	TK5	Teck	L6863	PR	43997	SP1	Harvest	4.0	SB 60PJ 20LA 10BW 10	77	17.0	0.80	0	0	0	148	473	0	0	0	52	0	55	0	727			
Town KL	TK5	Teck	L6863	PR	46501	SP1	Harvest	0.0	SB 50PJ 30LA 10BW 10	77	17.0	0.80	0	0	0	1	2	0	0	0	0	0	0	0	3			
Subtotal Block TK5 PR Harvest								43.9						0.0	0.0	2,868.7	1,425.3	586.1	0.0	0.0	52.2	921.0	1,052.7	0.0	6,906.0			
Town KL	TK5	Teck	L24029		47085	BSH	Non-Prod	1.5																				
Town KL	TK5	Teck	L24029		66589	WAT	Non-Prod	0.0																				
Town KL	TK5	Teck	L6083		49587	OMS	Non-Prod	1.2																				
Town KL	TK5	Teck	L6083		47085	BSH	Non-Prod	1.5																				
Town KL	TK5	Teck	L6083		66589	WAT	Non-Prod	0.0																				
Town KL	TK5	Teck	L6843		50399	OMS	Non-Prod	2.0																				
Town KL	TK5	Teck	L6843		45792	TMS	Non-Prod	3.9																				
Town KL	TK5	Teck	L6843		50693	TMS	Non-Prod	0.0																				
Town KL	TK5	Teck	L6863		45299	TMS	Non-Prod	3.2																				

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

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	TK6	Teck	L9812	ATR	56504	PJ2	AOC	0.3	PJ 50SB 20BW 20PO 10	75	17.0	0.40	1	0	0	13	4	0	0	0	0	4	4	0	25		
Town KL	TK6	Teck	L9812	ATR	56504	PJ2	AOC	0.1	PJ 50SB 20BW 20PO 10	75	17.0	0.40	1	0	0	5	1	0	0	0	0	1	1	0	8		
Town KL	TK6	Teck	L9812	ATR	41887	SP1	AOC	0.1	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	6	2	1	0	0	0	2	2	0	14		
Town KL	TK6	Teck	L9812	ATR	54996	SP1	AOC	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK6	Teck	L9812	ATR	65902	SP1	AOC	0.1	SB 40PJ 30SW 10PO 10BW 10	85	13.0	0.80	1	0	0	7	7	2	0	0	0	3	2	0	21		
Subtotal Block TK6 ATR Area of Concern								0.6						0.0	0.0	30.9	14.3	3.6	0.0	0.0	0.0	10.1	9.2	0.0	68.0		
Town KL	TK6	Teck	L9810	ATR	56504	PJ2	Harvest	3.4	PJ 50SB 20BW 20PO 10	75	17.0	0.40	1	0	0	144	40	0	0	0	0	39	42	0	266		
Town KL	TK6	Teck	L9810	ATR	52405	SB1	Harvest	5.3	SB 100	105	10.0	0.50	3	0	0	0	224	0	0	0	0	0	0	0	224		
Town KL	TK6	Teck	L9810	ATR	49207	SF1	Harvest	0.3	SB 50BF 20CE 10LA 10BW 10	87	10.0	0.40	2	0	0	0	8	0	3	1	1	0	2	0	14		
Town KL	TK6	Teck	L9812	ATR	56504	PJ2	Harvest	4.8	PJ 50SB 20BW 20PO 10	75	17.0	0.40	1	0	0	206	58	0	0	0	0	56	61	0	381		
Town KL	TK6	Teck	L9812	ATR	41887	SP1	Harvest	1.4	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	93	32	20	0	0	0	32	34	0	211		
Town KL	TK6	Teck	L9812	ATR	41887	SP1	Harvest	0.2	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	11	4	2	0	0	0	4	4	0	26		
Town KL	TK6	Teck	L9812	ATR	54996	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK6	Teck	L9812	ATR	57696	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	0		
Town KL	TK6	Teck	L9812	ATR	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	0		
Town KL	TK6	Teck	L9813	ATR	41887	SP1	Harvest	16.1	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	1,101	384	237	0	0	0	373	403	0	2,498		
Subtotal Block TK6 ATR Harvest								31.6						0.0	0.0	1,555.7	751.1	259.8	2.6	1.0	1.1	503.7	546.3	0.0	3,621.1		
Town KL	TK6	Teck	L3900	PR	41887	SP1	AOC	0.3	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	22	8	5	0	0	0	8	8	0	50		
Town KL	TK6	Teck	L3900	PR	41887	SP1	AOC	0.6	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	38	13	8	0	0	0	13	14	0	85		
Town KL	TK6	Teck	L6842	PR	56504	PJ2	AOC	0.0	PJ 50SB 20BW 20PO 10	75	17.0	0.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK6	Teck	L6842	PR	56504	PJ2	AOC	0.4	PJ 50SB 20BW 20PO 10	75	17.0	0.40	1	0	0	18	5	0	0	0	0	5	5	0	33		
Town KL	TK6	Teck	L6842	PR	41887	SP1	AOC	1.7	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	114	40	25	0	0	0	39	42	0	259		
Town KL	TK6	Teck	L6842	PR	41887	SP1	AOC	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0		
Subtotal Block TK6 PR Area of Concern								3.0						0.0	0.0	192.2	65.8	37.5	0.0	0.0	0.0	63.9	69.1	0.0	428.6		
Town KL	TK6	Teck	L3900	PR	41887	SP1	Harvest	16.3	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	1,111	388	239	0	0	0	376	407	0	2,521		
Town KL	TK6	Teck	L3900	PR	41887	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK6	Teck	L4266	PR	41887	SP1	Harvest	14.3	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	975	340	210	0	0	0	330	357	0	2,212		
Town KL	TK6	Teck	L4266	PR	57696	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	0		
Town KL	TK6	Teck	L4266	PR	65902	SP1	Harvest	1.6	SB 40PJ 30SW 10PO 10BW 10	85	13.0	0.80	1	0	0	82	87	27	0	0	0	38	21	0	255		
Town KL	TK6	Teck	L6842	PR	56504	PJ2	Harvest	0.0	PJ 50SB 20BW 20PO 10	75	17.0	0.40	1	0	0	1	0	0	0	0	0	0	0	0	1		
Town KL	TK6	Teck	L6842	PR	56504	PJ2	Harvest	0.0	PJ 50SB 20BW 20PO 10	75	17.0	0.40	1	0	0	1	0	0	0	0	0	0	0	0	1		
Town KL	TK6	Teck	L6842	PR	56504	PJ2	Harvest	2.6	PJ 50SB 20BW 20PO 10	75	17.0	0.40	1	0	0	111	31	0	0	0	0	30	32	0	204		
Town KL	TK6	Teck	L6842	PR	56504	PJ2	Harvest	0.0	PJ 50SB 20BW 20PO 10	75	17.0	0.40	1	0	0	0	0	0	0	0	0	0	0	0	0		
Town KL	TK6	Teck	L6842	PR	41887	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	1	0	0	0	0	0	0	0	0	2		
Town KL	TK6	Teck	L6842	PR	41887	SP1	Harvest	0.0	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	0	0	0	0	0	0	0	0	0	1		
Town KL	TK6	Teck	L6842	PR	41887	SP1	Harvest	10.8	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	740	258	159	0	0	0	251	271	0	1,679		
Town KL	TK6	Teck	L7411	PR	56504	PJ2	Harvest	13.3	PJ 50SB 20BW 20PO 10	75	17.0	0.40	1	0	0	566	158	0	0	0	0	154	166	0	1,045		
Town KL	TK6	Teck	L7411	PR	41887	SP1	Harvest	0.4	PJ 40SB 20BW 20PO 10SW 10	75	17.0	0.80	1	0	0	28	10	6	0	0	0	9	10	0	63		
Subtotal Block TK6 PR Harvest								59.3						0.0	0.0	3,614.2	1,272.9	642.4	0.0	0.0	0.0	1,189.3	1,265.7	0.0	7,984.6		
Town KL	TK6	Teck	L3900		54094	TMS	Non-Prod	0.3																			
Town KL	TK6	Teck	L3900		49587	OMS	Non-Prod	1.3																			
Town KL	TK6	Teck	L4266		55095	TMS	Non-Prod	0.0																			
Town KL	TK6	Teck	L4266		54094	TMS	Non-Prod	0.2																			
Town KL	TK6	Teck	L4266		56595	TMS	Non-Prod	0.0																			
Town KL	TK6	Teck	L6842		50399	OMS	Non-Prod	2.1																			
Town KL	TK6	Teck	L6842		49699	WAT	Non-Prod	0.4																			
Town KL	TK6	Teck	L6842		49401	BSH	Non-Prod	0.1																			
Town KL	TK6	Teck	L7411		53602	TMS	Non-Prod	1.6																			
Town KL	TK6	Teck	L9810		53307	TMS	Non-Prod	2.5																			
Town KL	TK6	Teck	L9810		49401	BSH	Non-Prod	1.2																			
Town KL	TK6	Teck	L9812		56300	TMS	Non-Prod	3.4																			
Town KL	TK6	Teck	L9812		56198	OMS	Non-Prod	5.1																			
Town KL	TK6	Teck	L9813		53097	TMS	Non-Prod	2.2																			
Town KL	TK6	Teck	L9813		54094	TMS	Non-Prod	1.9																			
Town KL	TK6	Teck	L9813		50693	TMS	Non-Prod	2.1																			

				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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	
Subtotal Block TK7 ATR Area of Concern														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	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	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	
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	
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	
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	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	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	
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	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	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	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	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	
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	
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	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	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	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	
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	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	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	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	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	
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	
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	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	
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	330	68	0	510	
Subtotal Block TK7 ATR Harvest														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	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	575										

				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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1	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	1	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	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	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	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	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	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	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						
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	1	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						
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	4	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	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	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						
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	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	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	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	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	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						
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	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						
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	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	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	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	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	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	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	6	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	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	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	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	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	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	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	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	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	78	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	1	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	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	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	37	39	0	123						
Town KL																														

				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	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	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	Har																				

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	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	0	1	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	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	1		
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	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	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	0	8	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	0	39	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	0	602	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	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	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	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	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	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				

Harvest Block TK10

[illegible]

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	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	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	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	4	4	0	4	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	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	
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	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	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	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	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	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	
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	
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	
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	
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	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	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	
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	
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	
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	
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	
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	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	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	
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	
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	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	
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	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	
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	
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	
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	
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	
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	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	
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	
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	
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	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	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	5	4	1	15	
Town KL	TK11	Te																								

Harvest Block TK11

Town KL	TK11	Teck	L2891	PR	96340	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
Town KL	TK11	Teck	L2891	PR	96340	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
Town KL	TK11	Teck	L2891	PR	98149	MW1	AOC	0.5	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	9	1	2	0	0	13	7	4	37	
Town KL	TK11	Teck	L2891	PR	98149	MW1	AOC	0.9	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	17	2	2	3	0	0	23	12	8	69
Town KL	TK11	Teck	L2891	PR	97844	SP1	AOC	0.0	SB 60PO 20SW 10BW 10	42	6.0	0.60	1	0	0	0	0	0	0	0	0	0	0	1	
Town KL	TK11	Teck	L2891	PR	97844	SP1	AOC	1.1	SB 60PO 20SW 10BW 10	42	6.0	0.60	1	0	0	0	21	4	0	0	0	22	6	0	53
Subtotal Block TK11 PR Area of Concern									8.8					0.0	0.0	138.9	40.4	19.1	16.6	0.0	0.0	215.6	118.2	57.6	606.4
Town KL	TK11	Teck	L2379	PR	86053	MW1	Harvest	9.7	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	177	2	2	0	0	0	246	193	56	676
Town KL	TK11	Teck	L2379	PR	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
Town KL	TK11	Teck	L2379	PR	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
Town KL	TK11	Teck	L2379	PR	97357	MW1	Harvest	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
Town KL	TK11	Teck	L2379	PR	98149	MW1	Harvest	0.2	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	4	1	1	1	0	0	5	3	2	14
Town KL	TK11	Teck	L2855	PR	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
Town KL	TK11	Teck	L2855	PR	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
Town KL	TK11	Teck	L2855	PR	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
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR 10SW 10S	85	17.0	0.70	3	0	0	0	0	0	0	0	0	0	0	0	0
Town KL	TK11	Teck	L2855	PR	98149	MW1	Harvest	0.0	PJ 20BW 20PO 20BF 10MR																

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

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	TK12	Teck	L10739	ATR	79754	BW1	AOC	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	L10739	ATR	80052	BW1	AOC	0.0	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	1	0	0	0	0	0	2	2	0	0	5
Town KL	TK12	Teck	L10739	ATR	80360	BW1	AOC	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	0	0
Town KL	TK12	Teck	L10739	ATR	83059	BW1	AOC	0.2	BW 40PO 20SW 10MR 10SB 10PJ 10	85	13.0	0.60	3	0	0	2	0	0	0	0	0	4	4	1	13	
Town KL	TK12	Teck	L10739	ATR	86053	MW1	AOC	1.7	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	32	0	0	0	0	0	44	35	10	121	
Town KL	TK12	Teck	L8734	ATR	79754	BW1	AOC	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	L8734	ATR	80052	BW1	AOC	0.1	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	2	0	0	0	0	0	3	3	1	8	
Town KL	TK12	Teck	L8734	ATR	86053	MW1	AOC	0.4	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	7	0	0	0	0	0	9	7	2	26	
Town KL	TK12	Teck	L8972	ATR	79754	BW1	AOC	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	L8972	ATR	80052	BW1	AOC	0.0	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	1	0	0	0	0	0	2	2	0	5	
Subtotal Block TK12 ATR Area of Concern								2.5						0.0	0.0	44.4	0.9	1.4	0.0	0.0	0.0	63.8	52.2	15.0	177.7	
Town KL	TK12	Teck	L10739	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	0	0
Town KL	TK12	Teck	L10739	ATR	83059	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	1	
Town KL	TK12	Teck	L10739	ATR	83059	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	0	0
Town KL	TK12	Teck	L10739	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
Town KL	TK12	Teck	L10739	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
Town KL	TK12	Teck	L10739	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
Town KL	TK12	Teck	L10739	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
Town KL	TK12	Teck	L10739	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
Town KL	TK12	Teck	L10739	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
Town KL	TK12	Teck	L10739	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
Town KL	TK12	Teck	L10739	ATR	86053	MW1	Harvest	1.0	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	18	0	0	0	0	0	25	19	6	68	
Town KL	TK12	Teck	L8734	ATR	80052	BW1	Harvest	0.2	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	4	0	0	0	0	0	5	5	1	16	
Town KL	TK12	Teck	L8734	ATR	80052	BW1	Harvest	5.2	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	134	0	16	0	0	0	185	178	40	553	
Town KL	TK12	Teck	L8734	ATR	86053	MW1	Harvest	15.2	BW 30PJ 20PO 20MR 10SW 10SB 10	65	11.0	0.80	3	0	0	278	3	3	0	0	0	387	303	88	1,063	
Town KL	TK12	Teck	L8972	ATR	79754	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	L8972	ATR	79754	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	L8972	ATR	80052	BW1	Harvest	12.8	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	330	0	38	0	0	0	453	438	99	1,358	
Town KL	TK12	Teck	L8972	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	1	
Town KL	TK12	Teck	L8973	ATR	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	L8973	ATR	80052	BW1	Harvest	2.4	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	61	0	7	0	0	0	84	81	18	252	
Town KL	TK12	Teck	L9025	ATR	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	L9025	ATR	78049	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	L9025	ATR	80052	BW1	Harvest	4.0	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	102	0	12	0	0	0	140	135	30	419	
Town KL	TK12	Teck	L9025	ATR	76350	SF1	Harvest	0.4	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	4	12	2	2	0	3	0	0	0	23	
Town KL	TK12	Teck	L9025	ATR	76747	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
Subtotal Block TK12 ATR Harvest								41.1						0.0	0.0	931.6	14.9	79.2	1.9	0.0	3.1	1,279.8	1,161.1	282.9	3,754.3	
Town KL	TK12	Teck	L10739	ATR	82657	OH1	Ineligible	1.2	OH 100	36	5.0	1.00	1	0	0	0	0	0	0	0	0	0	17	17		
Subtotal Block TK12 ATR Ineligible								1.2						0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.1	17.1	
Town KL	TK12	Teck	L2056	PR	80052	BW1	AOC	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	2	
Town KL	TK12	Teck	L2056	PR	68049	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	1	
Town KL	TK12	Teck	L2056	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	0
Town KL	TK12	Teck	L2056	PR	77641	SF1	AOC	0.8	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	9	26	6	4	0	7	0	0	0	52	
Town KL	TK12	Teck	L2056	PR	77641	SF1	AOC	0.7	SB 50LA 20SW 10BF 10PJ 10	85	11.0	0.60	2	0	0	8	22	5	4	0	6	0	0	0	44	
Subtotal Block TK12 PR Area of Concern								1.6						0.0	0.0	17.5	48.4	10.1	7.9	0.0	12.9	1.2	0.9	0.2	99.1	
Town KL	TK12	Teck	L2056	PR	80052	BW1	Harvest	3.2	BW 40PJ 20PO 20MR 10SW 10	65	13.0	0.80	2	0	0	82	0	10	0	0	0	112	109	24	337	
Town KL	TK12	Teck	L2056	PR	68049	MW1	Harvest	1.7	PO 30BW 20PJ 20MR 10SW 10SB 10	65	13.0	0.80	3	0	0	30	0	0	0	0	0	63	22	10	126	
Town KL	TK12	Teck	L2056	PR	68544	MW1	Harvest	0.0	PO 30BW 20PJ 20MR 10SW 10SB 10	65	13.0	0.80	3	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	0.1	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		

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	TK13	Teck	L26071	ATR	36732	PO1	AOC	0.7	PO 50BW 20PJ 20SW 10	85	18.0	0.90	3	0	0	17	0	2	0	0	0	58	12	0	89	
Town KL	TK13	Teck	L26071	ATR	37436	SP1	AOC	0.1	PJ 30SB 20PO 20BF 10SW 10BW 10	65	12.0	0.50	2	0	0	2	0	0	0	0	0	2	1	0	6	
Town KL	TK13	Teck	L56697	ATR	39123	BW1	AOC	0.6	PO 40BW 30BF 10SB 10PJ 10	85	19.0	0.60	3	0	0	5	1	0	2	0	0	27	11	0	46	
Town KL	TK13	Teck	L56697	ATR	36732	PO1	AOC	0.3	PO 50BW 20PJ 20SW 10	85	18.0	0.90	3	0	0	7	0	1	0	0	0	23	5	0	36	
Town KL	TK13	Teck	L56697	ATR	36732	PO1	AOC	1.0	PO 50BW 20PJ 20SW 10	85	18.0	0.90	3	0	0	23	0	3	0	0	0	78	16	0	121	
Subtotal Block TK13 ATR Area of Concern								2.7						0.0	0.0	54.9	1.8	7.0	1.8	0.0	0.0	188.0	43.8	0.0	297.2	
Town KL	TK13	Teck	L12983	ATR	36944	BW1	Harvest	1.3	BW 60SB 10SW 10PO 10PJ 10	65	11.0	1.20	3	0	0	15	0	0	0	0	0	21	66	0	103	
Town KL	TK13	Teck	L12983	ATR	42343	BW1	Harvest	5.8	PO 40BW 20PJ 20MR 10SW 10	65	13.0	0.90	3	0	0	92	0	1	0	0	0	276	47	38	454	
Town KL	TK13	Teck	L12983	ATR	44260	BW1	Harvest	6.0	BW 40PO 30PJ 20SW 10	65	12.0	1.20	3	0	0	164	0	1	0	0	0	342	238	0	744	
Town KL	TK13	Teck	L12983	ATR	37349	MW1	Harvest	2.1	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	54	16	16	0	0	0	76	73	0	234	
Town KL	TK13	Teck	L25592	ATR	36944	BW1	Harvest	9.9	BW 60SB 10SW 10PO 10PJ 10	65	11.0	1.20	3	0	0	113	2	2	0	0	0	158	495	0	770	
Town KL	TK13	Teck	L25592	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	1	0	0	2		
Town KL	TK13	Teck	L25592	ATR	31738	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		
Town KL	TK13	Teck	L25592	ATR	37349	MW1	Harvest	7.5	BW 40PJ 20PO 20SW 10SB 10	85	17.0	0.70	2	0	0	190	55	57	0	0	0	269	258	0	0	
Town KL	TK13	Teck	L26071	ATR	38937	MW1	Harvest	2.8	PO 40BW 20PJ 20SW 10SB 10	65	13.0	0.90	3	0	0	57	1	1	0	0	0	160	42	0	260	
Town KL	TK13	Teck	L26071	ATR	38732	PJ2	Harvest	1.1	PJ 60PO 20SW 10BW 10	85	18.0	1.00	2	0	0	116	0	12	0	0	0	55	13	0	196	
Town KL	TK13	Teck	L26071	ATR	40333	PJ2	Harvest	0.3	PJ 60PO 20SW 10BW 10	85	18.0	1.00	2	0	0	34	0	3	0	0	0	16	4	0	57	
Town KL	TK13	Teck	L26071	ATR	36732	PO1	Harvest	3.6	BW 40PJ 20PJ 20SW 10	85	18.0	0.90	3	0	0	89	0	13	0	0	0	298	62	0	462	
Town KL	TK13	Teck	L28037	ATR	39123	BW1	Harvest	3.7	PO 40BW 30BF 10SB 10PJ 10	85	19.0	0.60	3	0	0	31	9	0	10	0	0	164	63	0		

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	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	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	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	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	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	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	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	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	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	6	0	2	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	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	
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	
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	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	
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	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	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	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	
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	
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	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	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	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	
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	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	11	0	3	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	
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	360	94	41	624	
Town KL	TK14	Teck	L1																							

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	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 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	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														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	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 40																

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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

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	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	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	
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	
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	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	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	
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	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	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	
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	
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	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	
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	
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	
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	
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	1	
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	
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	1	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	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	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	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	
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	
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	
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	3	0	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									

Harvest Block TK16

Town KL	TK16	Teck	L1634	PR	42068	MW1	Harvest	14.9	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	1,236	0	0	0	0	0	1,646	222	190	3,294
Town KL	TK16	Teck	L1898	PR	39573	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	
Town KL	TK16	Teck	L1898	PR	42068	MW1	Harvest	7.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	580	0	0	0	0	0	773	104	89	1,547
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	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	
Town KL	TK16	Teck	L1898	PR	42																				

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	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	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	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	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	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	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	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
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
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
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
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
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
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
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
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
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
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	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
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
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	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
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	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
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	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
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
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	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	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	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
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	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	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	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	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	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	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	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	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	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
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	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	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
Town KL	TK17	Teck	L16391	PR	64977	MW1	Harvest	0.0	PJ																

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	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	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	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	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	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	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	0.0	PJ 40PO 40MR 10BW 10	67	15.0	1.40	1	0	0	283	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
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">Archaeological 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 acceptableSite 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 acceptableRenewal 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 disturbanceArchaeological 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
Reserve/Modified Dimensions: <ul style="list-style-type: none">100 m radius AOC centered on the den entranceDens known or suspected to contain one or more hibernating black bearsDirection applies to occupied dens 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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
Harvest, Renewal and/or Tending Operations: <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 30thHarvest, 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">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 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												
<div>Reserve/Modified Dimensions:</div> <ul style="list-style-type: none">100-400 m radius AOC based on nest category as follows: <table><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> <div>Please review the prescription details under the <i>Harvest, Renewal and/or Tending Operations</i> section below.</div> <div>A. Bald Eagle Primary Nests (BE1)</div> <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	<div>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></div>	<div>Operational Road/Landing Conditions <i>(Yes/No)</i></div>	<div>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></div>
		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														
If “Yes”, refer to FMP 19/Supplemental Documentation for Roads																

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 \geq 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 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. 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
Reserve/Modified Dimensions: <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.		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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
Harvest, Renewal and/or Tending Operations: <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">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)				

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	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
Reserve/Modified Dimensions: <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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
Harvest, Renewal and/or Tending Operations: <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">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 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
Reserve/Modified Dimensions: <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.		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	No	No
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
Harvest, Renewal and/or Tending Operations: <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.				
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		
BS	Group	Active Large Colonies Of Bank Swallow		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: <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.		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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
Harvest, Renewal and/or Tending Operations: <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 31stHarvest, 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									
Reserve/Modified Dimensions: <ul style="list-style-type: none">10 m from the edge of AOC as follows:<table><tr><th>AOC Identifier</th><th>Species</th><th>Radius of AOC</th></tr><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></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 individualand 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 report10 metres reserve for structural remains, must be established by encircling all associated remains and features10 metres reserve from the edges of wrecks <p>Linear and Polygon</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	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>
		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											
<i>If “Yes”, refer to FMP 19/Supplemental Documentation for Roads</i>													

<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												
Reserve/Modified Dimensions: <ul style="list-style-type: none">25-100 m radius AOC based on species as follows: <table><tr><th>AOC Identifier</th><th>Species</th><th>Radius of AOC</th></tr><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></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	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>
		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														
<i>If “Yes”, refer to FMP 19/Supplemental Documentation for Roads</i>																

<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 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>Regular harvest, renewal, and tending operations are permitted around nests/communal roosts subject to critical breeding period timing restrictions (as described below) and:</p> <table><tr><th>Species</th><th>Retain</th><th></th></tr><tr><td>Trees used by American kestrel, boreal owl, eastern screech-owl, northern hawk owl, northern saw-whet owl</td><td>The nest tree will be retained as a wildlife tree if not a safety concern.</td><td></td></tr><tr><td>Trees used by barred owl, great horned owl</td><td>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).</td><td></td></tr></table>	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).		
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).									
<ul style="list-style-type: none">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:<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)										

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

¹ Ongoing 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 yearsChimney 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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
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												
Reserve/Modified Dimensions: <ul style="list-style-type: none">50-150 m AOC based on species as follows: <table><tr><th>AOC Identifier</th><th>Species</th><th>Radius of AOC</th></tr><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></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	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>
		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														
<i>If “Yes”, refer to FMP 19/Supplemental Documentation for Roads</i>																

<ul style="list-style-type: none">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> <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> <ul style="list-style-type: none">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.				
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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
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									
<div>Reserve/Modified Dimensions:</div> <ul style="list-style-type: none">30-300 m radius AOC based on nest category as follows: <table><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> <div>Please review the prescription details under the <i>Harvest, Renewal and/or Tending Operations</i> section below.</div> <div>A. Active Great Blue Heron Colonies (HE1)</div> <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 □> 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	<div>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></div>	<div>Operational Road/Landing Conditions <i>(Yes/No)</i></div>	<div>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></div>
		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											
If “Yes”, refer to FMP 19/Supplemental Documentation for Roads													

<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
Reserve/Modified Dimensions: <i>Lakes</i> All lakes have a high potential sensitivity to forest management operations and are defined as either <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. <i>Ponds with high potential sensitivity to forest management operations (HPS ponds)</i> When inventory data are available, HPS ponds are those with one or more of the following characteristics: <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. When inventory data are not available, HPS ponds are those with the following characteristics: <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). <i>Ponds with moderate potential sensitivity to forest management operations (MPS ponds)</i>		Primary/Branch Road Crossing/Landing Conditions (Yes/No)	Operational Road/Landing Conditions (Yes/No)	Forestry Aggregate Pit Conditions (Yes/No)
		Yes	Yes	Yes
		If "Yes", refer to FMP 19/Supplemental Documentation for Roads		

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

<p>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).</p>	
<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 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: <ul style="list-style-type: none"> ○ 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: <ul style="list-style-type: none"> ○ > 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: 	

<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) <ul style="list-style-type: none"> ● 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: <ul style="list-style-type: none"> ○ 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. <ul style="list-style-type: none"> ● 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: <ul style="list-style-type: none"> ○ 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). <ul style="list-style-type: none"> ● Refer to Module 8 and 9 of the Implementation Toolkit for harvesting options in residual forest.
<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		
LUP	Group	Land Use Permit – Structure and/or Area		
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES
Reserve/Modified Dimensions: • 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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
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 mapsA 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
Reserve/Modified Dimensions: <ul style="list-style-type: none">Variable size and configuration as defined on Area of Operations mapsHarvesting 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.		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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
Harvest, Renewal and/or Tending Operations:				
<u>Within the defined area of concern:</u> <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 assess 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: • 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: • 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
Reserve/Modified Dimensions: <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.		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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
Harvest, Renewal and/or Tending Operations: <ul style="list-style-type: none">No harvest, renewal, or tending operations are permitted within the AOC.				
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														
OS	Group	Osprey Nests														
OPERATIONAL PRESCRIPTION		ROAD CROSSINGS AND LANDINGS		AGGREGATES												
<div>Reserve/Modified Dimensions:</div> <div><ul style="list-style-type: none">75-300 m radius AOC based on nest category as follows:</div> <table><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> <div>Please review the prescription details under the <i>Harvest, Renewal and/or Tending Operations</i> section below.</div> <div>A. Osprey Primary Nests (OS1)</div> <div><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</div>		AOC Identifier	Category	Radius of AOC	OS1	Osprey Primary Nests	300 m	OS2	Osprey Alternate Nests	150 m	OS3	Osprey Inactive Nests	75 m	<div>Primary/Branch Road Crossing/Landing Conditions <i>(Yes/No)</i></div> <div>No</div>	<div>Operational Road/Landing Conditions <i>(Yes/No)</i></div> <div>Yes</div>	<div>Forestry Aggregate Pit Conditions <i>(Yes/No)</i></div> <div>Yes</div>
		AOC Identifier	Category	Radius of AOC												
		OS1	Osprey Primary Nests	300 m												
		OS2	Osprey Alternate Nests	150 m												
OS3	Osprey Inactive Nests	75 m														
If “Yes”, refer to FMP 19/Supplemental Documentation for Roads																

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 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 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. 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
Reserve/Modified Dimensions: <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 		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:

- 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
Reserve/Modified Dimensions: <i>RECTRAIL - Land-based recreational trails (e.g. snowmobile trails, other trails under LUP)</i> <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.)		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: <i>RECTRAIL1 - Land-based recreational trails (e.g. snowmobile trails, other trails under LUP)</i> <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.				
Source: Issue resolution decision from the Kirkland Lake District Manager (lead district) and Timmins District Manager				
Exception: No				

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 data-bbox="418 835 483 886" 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
Reserve/Modified Dimensions: A. Primary Nests Of Great Gray Owl or Northern Goshawk <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. B. Alternate Nests Of Great Gray Owl or Northern Goshawk <ul style="list-style-type: none"> 50 m radius AOC centered on alternate nests. 		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>		

<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 \leq 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).

¹The 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.

²Based 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												
Reserve/Modified Dimensions: <ul style="list-style-type: none">50-200 m radius AOC centered on the occupied nest based on species as follows: <table><tr><th>AOC Identifier</th><th>Species</th><th>Radius of AOC</th></tr><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></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	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>
		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														
If “Yes”, refer to FMP 19/Supplemental Documentation for Roads																

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:
 - 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)

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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
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 existsProtection of some views is provided by other existing AOC prescriptions.Shape and extent of the reserve will be based on viewscape analysis resultsModified 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;				
<u>Possible Viewscape Impact</u> <p>Normal operations will be allowed in these areas unless the harvest area has the potential to compromise the viewscape.</p> <ul 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>Probable Viewscape Impact</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
Reserve/Modified Dimensions: <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.		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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
Harvest, Renewal and/or Tending Operations: <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.				
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:

TABLE 10 - OPERATIONAL PRESCRIPTIONS FOR AREAS OF CONCERN

AOC Identifier: <i>W</i>	Description of Value (s): <u>Municipal Water Treatment Plant</u>	
Reserve	Harvest, Renewal and/or Tending Operations	Tertiary Road Conditions
Reserve (slope dependent) of 500 metres around the treatment plant 200 metres reserve from high water mark of source waterbody	<ul style="list-style-type: none"> No forest operations permitted within the AOC 	Tertiary roads cannot cross through an AOC.
Objection <input data-bbox="418 1052 483 1104" 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		
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 yearsDirection 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
		If “Yes”, refer to FMP 19/Supplemental Documentation for Roads		
Harvest, Renewal and/or Tending Operations: <ul style="list-style-type: none">Harvest, renewal and tending operations are not permitted within the AOCThe 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.



CORPORATION OF THE TOWN OF KIRKLAND LAKE
REQUEST FOR PROPOSAL RFP-519-18
TIMBER HARVESTING

Objective

The Corporation of the Town of Kirkland Lake invites Proposals from qualified Bidders to harvest standing timber on approximately 246 hectares of harvest area in Teck Township in accordance with the Municipality's Land Management Agreement and Provincial Crown Standards.

Submission

To receive consideration, Proposals must be submitted on the Proposal forms and in an envelope plainly marked submitted to the following address:

Corporation of the Town of Kirkland Lake

P.O Bag 1757
3 Kirkland Street
Kirkland Lake, ON P2N 3P4

Attention: JoAnn Ducharme, Municipal Clerk "RFP-519-18 "Timber Harvesting"

The closing date for the submission of Proposals will be at **2:00 pm local time on**

Tuesday August 21st, 2018

A non-public opening of the Proposals will take place on the same day at 2:05 p.m. at the Municipal Office at 3 Kirkland Street Kirkland Lake ON

Proposal documents may be obtained from the Corporation of Kirkland Lake, Planning Dept. division at 1 Dunfield Road, Kirkland Lake ON P2N 3P4 or (705) 567-9365 Ext. 326

- Proposals shall be in ink, late Proposals will not be accepted;
- Proposals by fax or photo copy will not be accepted;
- Partial Proposals are not accepted;
- The Corporation reserves the right to accept or reject any or all Proposals;
- The lowest priced Proposal will not necessarily be accepted;
- The Corporation reserves the right to enter into negotiations with a Contractor and any changes to the Proposal that are acceptable to both parties will be binding;
- The Proposals shall be valid for 30 (thirty) days from submission date.

Questions

Any questions or concerns with respect to the Proposal document and contents are to be directed to: Gary Wadge – Procurement and Risk Management Coordinator, 1 Dunfield Road, Kirkland Lake ON P2N 3P4, (705) 567-9365 Ext. 331

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DEFINITIONS

Addendum - means a written order issued from the Corporation that clarifies, changes the scope or specifications of the Work/ Commodity prior to commencement and during the solicitation process.

Agreement - A negotiated and usually legally enforceable understanding between two or more legally competent parties. An agreement typically documents in writing the give-and-take of a negotiated settlement.

A.O.D.A. – Accessibility for Ontarians with Disabilities Act. 2005

Approval Authority – means the authority delegated by the Corporation to a person designated to occupy a position to approve on its behalf one or more procurement functions within the plan-to-pay cycle up to specified dollar limits subject to applicable legislation, regulations and procedures in effect at such time.

Award - means the notification to a Proponent of acceptance of a Proposal, Proposal or Proposal that brings contract into existence.

Bid – means a Proposal, Proposal or Proposal submitted in response to a solicitation from a providing authority. A Bid covers the response to any of the three principal methods of soliciting Bids, i.e., Request for Proposal, Request for Proposal and Request for Proposal.

Bid Document – a Proposal, Proposal, Proposal or other document that states the Corporation's desire to procure and Proponent's offer to provide to the Corporation the goods or services defined in the specifications or scope of work.

Bidder – means person, partnership or corporation, (e.g., a Contractor/Consultant/Vendor) and their employee, agent, representative or officer, or sub-contractor/supplier/sub-consultant thereof that is proposing to undertake the work and submits a bid to do so.

Bid Deposit' means currencies, certified cheques, bid bond issued by a surety company licensed to operate by the Government of Canada or the Province of Ontario or another form of negotiable instrument acceptable to the Corporation to compensate the Corporation if the Successful Bidder does not enter into a contract.

Bid Price - a price offered for a good or service by a potential Buyer or a price offered by a potential Provider to perform/ provide a specific job or commodity.

Bid Protest – means the dispute raised against the methods employed or decisions made by a contracting authority in the administration of a Proposal, Proposal or Proposal process.

Budget - means an amount approved by Council for operating expenses or capital projects.

Certificate of Insurance - means a certified document issued by an insurance company licensed to operate by the Province of Ontario, certifying that the Bidder, Respondent or Proponent is insured in accordance with the Corporation's requirements.

Change Order - means a written order issued from the Corporation that changes the scope or specifications of the Work.

Corporation – means The Corporation of the Town of Kirkland Lake

Competitive Procurement – means a set of procedures for developing a procurement contract through a Bidding or Proposal process. The intent is to solicit fair, impartial, competitive Bids.

Conflict of Interest – means a situation in which financial or other personal considerations have the potential to compromise or bias professional judgment and objectivity. An apparent conflict of interest is one in which a reasonable person would think that the professional's judgment is likely to be compromised.

Contract - means an obligation, such as an accepted offer, between competent parties upon a legal consideration, to do or abstain from doing some act. It is essential to the creation of a contract that the parties intend that their agreement shall have legal consequences and be legally enforceable.

The essential elements of a contract are an offer and an acceptance of that offer; the capacity of the parties to contract; consideration to support the contract; a mutual identity of consent or consensus ad idem; legality of purpose; and sufficient certainty of terms.

Contract Documents - means the Request for Bid document (RFP, RFQ, RFT), any addenda, the Contract as issued by the Corporation and the successful Proponent's submission.

Contract Property - means the property owned by the Corporation of the Town of Kirkland Lake upon which the standing timber shall be harvested and which is outlined more particularly in Schedules 'D' attached hereto

Evaluation Criteria - means a benchmark, standard or yardstick against which accomplishment, conformance, performance and suitability of an individual, alternative, activity, product or plan is measured to select the best supplier through a competitive process. Criteria may be qualitative or quantitative in nature.

Goods and/or Services - set out in the Bid document, including goods, services or equipment, where applicable, and defined in the specifications or scope of work.

L.S. – means Lump Sum

Land Management Agreement – means

O. H. & S. – means Occupational Health & Safety Act. 2010

Provider - means person, partnership or corporation, (e.g., a Contractor/Consultant/Vendor) and their employee(s), agent, representative or officer, or sub-contractor/supplier/sub-consultant thereof that is proposing to undertake the work and submits a bid to do so.

Provincial Crown Standards – means

Rate - the monetary remuneration requested as compensation for all equipment, labour, apparatus, operating costs including permits, and insurance, operation required for the successful completion of requirements specified.

Request for Proposal (RFP) - means an offer to supply goods or services on which end results are outlined but no detailed specifications given to the Bidders as to the goods or how the work is to be performed. It is used to request suppliers to supply solutions for the delivery of complex products or services or to provide alternative options or solutions. It is a process that uses predefined evaluation criteria.

Specifications – detailed and exact non-restrictive written descriptions, instructions and drawings defining the Goods or Services requested in the Bid Document.

Submission - means information submitted by a Bidder in response to this Request.

Successful Proponent/Bidder/Vendor/Contractor - means the person, partnership or corporation, (e.g., a Contractor/Consultant/Vendor) and any employee, agent, representative or officer, or sub-contractor/supplier/sub-consultant thereof, that has been successful in the award of a Request for Bids/ Proposal and thereby agrees to supply the goods and/or services under the terms of the Request and is undertaking the Work as identified in the Agreement.

Work/Project - means the goods and/or services supplied by the successful Proponent pursuant to the Contract, and includes all labour, materials, equipment, and any other items, which are required to execute the Contract.

W.S.I.B. – means Workplace Safety and Insurance Board

GENERAL TERMS AND CONDITIONS

1. GENERAL DESCRIPTION

The Corporation of the Town of Kirkland Lake, hereinafter referred to as the “Corporation”, invites Proposals from qualified Bidders to harvest standing timber on approximately 246 hectares of harvest area in Teck Township in accordance with the Municipality’s Land Management Agreement and Provincial Crown Standards as per terms and conditions identified within.

The services provided must meet at minimum the specifications as listed within.

This Request for Proposal is without any guarantee respecting the volume of business to be obtained from the Corporation.

2. DEFAULT PROVISION

In cases of default by the Successful Bidder, the Corporation may take such action as it deems appropriate, including the procurement of the articles or services from other sources and holding the Successful Bidder responsible for any excess costs occasioned or incurred thereby.

3. PRODUCT SAFETY STANDARDS

The Bidder warrants that the service work supplied to the Corporation conforms in all respects to the standards set forth by Federal and Provincial agencies and failure to comply with this condition will be considered a breach of contract.

4. CLARIFICATION

4.1 It is the Bidder's responsibility to clarify any details in question before submitting a Proposal. All official correspondence in regards to the specifications should be directed to and will be issued by the Procurement Coordinator for the Corporation. The Corporation will assume no responsibility for oral instruction or suggestion. Errors, omissions or ambiguities discovered in the contents of this Proposal should be submitted, in detail to: Gary Wadge – Procurement and Risk Management Coordinator at (705) 567-9365 Ext. 331, Fax # (705) 567-9400 or gary.wadge@tkl.ca

4.2 In order to ensure all potential Bidders are notified of any or all addendums, the deadline for questions or inquiries shall be Tuesday July 24th, 2018 at 4 pm. No questions or inquiries will be addressed after this date and time.

5. ACCEPTANCE OR REJECTION OF SUBMISSIONS

- 5.1 The submission of Bids does not obligate the Corporation to accept any Bid or to proceed further with the acquisition. The Corporation may, in its sole discretion, elect not to proceed with the acquisition in whole or in part and may elect not to accept any or all Bids for any reason or to cancel the acquisition without any obligation whatsoever to Bidders.
- 5.2 Should the Corporation not receive any Bids satisfactory to it for any reason, it may, in its sole and absolute discretion, revise the Bid documents or negotiate a Contract for the whole or any part of the acquisition with any of the Bidders or the lowest compliant.
- 5.3 Bids which are informal, incomplete, contain qualifying conditions or otherwise fail to comply with the requirements of the Bid documents or are otherwise irregular in anyway, may at the sole and absolute discretion of the Corporation, be declared invalid and rejected.
- 5.4 The Corporation retains the separate right to accept or waive irregularities if, in the Corporation's sole discretion, such irregularities are of a minor or technical nature or, where practicable to do so, the Corporation may, as a condition of Bid acceptance, request a Bidder to correct a minor or technical irregularity with no change to the Bid price.
- 5.5 The determination of what is, or is not, a minor or technical irregularity, the determination of whether to accept, waive, or require correction of an irregularity, and the final determination of the validity of a Bid, shall be at the Corporation's sole and absolute discretion.
- 5.6 Bidders expressly waive any and all rights to make any claim against the Corporation for any matter arising from the Corporation exercising its rights as stated in these General Terms and Conditions.
- 5.7 The Corporation reserves the right to review and discuss with any Bidder, the Proposal submitted by that Bidder. The Corporation reserves the right to negotiate with the Low Bidder, any reasonable changes or additions to the Agreement that the Bidder may propose. Negotiated changes or additions to the Agreement proposed by the Bidder will be included in the Agreement in the form of an Addendum, and will take precedence over the Proposal document and the Agreement proposed by the Bidder. If such changes or additions cannot be negotiated, the Corporation in its sole discretion may approach another Bidder for the fulfilment of this agreement.

6. PROPOSALS

- Proposals shall be in ink, late Proposals will not be accepted;
- Proposals must be received in hard copy or electronically by the Corporation prior to 2 pm on the closing date.
- Proposals by fax will not be accepted;
- Photo copies will not be accepted;
- Partial Proposals are not accepted;
- The Corporation reserves the right to accept or reject any or all Proposals;
- The highest Proposal will not necessarily be accepted;
- The Corporation reserves the right to enter into negotiations with a supplier and any changes to the Proposal that are acceptable to both parties will be binding.
- Form of Proposal and/or Addendum(s) must be completed in ink or by typewriter/electric print.

- 6.1 Line item and total contract price must be clearly indicated.
- 6.2 The Bid must not be restricted by a statement added to the Proposal form or by a covering letter, or by alterations to the Proposal form, as supplied by the Corporation unless otherwise provided herein.
- 6.3 Submissions or adjustments by telegram, fax or letter will not be accepted.
- 6.4 The Form of Proposal must be signed in the space provided on the form, with the signature of the Bidder or responsible official of the firm bidding. If a joint Bid is submitted, it must be signed and addressed on behalf of both of the Bidders.
- 6.5 The Successful Bidder shall be notified by means of written purchase order and/ or agreement of the acceptance of his/her Proposal.

7. ORIGINAL PROPOSAL DOCUMENTS

It is to be understood that all terms and conditions, specifications, drawings, plans, all Proposal clauses, and the complete Proposal containing all documents as originally issued by and posted in the Public Works Division of the Corporation shall constitute the Proposal request. Any Proposals received that have clauses or any wording or figures, statistics, numbers, quantities or any other items that have been changed or altered in any way shall be rejected and not accepted by the Corporation.

8. FIRM PRICES

- 8.1 Proposals submitted and prices offered shall be irrevocable and open for acceptance for the period until completion of the project.
- 8.2 All prices shall be inclusive of all costs such as but not limited to the cost of the goods/ services, overhead and profit, shipping and any other costs which should be known but net of taxes. Taxes on the total costs should be shown separately.
- 8.3 All prices shall be F.O.B. delivered and applied to job location(s).

9. LEGAL CLAIMS AND DAMAGES

- 9.1 The Corporation of the Town of Kirkland Lake reserves the right not to accept a response from any person or corporation which includes any non-arm's length corporation and all related corporations thereto who, or which, has a claim or instituted a legal proceeding against the Corporation or against whom the Corporation has a claim or instituted a legal proceeding with respect to any previous contracts, Bid submissions or business transactions who is listed as either the Primary Provider or Subcontractor or any vendor within the submitted responses.
- 9.2 The Corporation of the Town of Kirkland Lake reserves the right not to accept a response from any person or corporation which includes any non-arm's length corporation and all related corporations thereto who, willingly or otherwise is in arrears or is in default of payment to the Corporation for any previous transactions involving the Corporation.
- 9.3 Also, a Bidder, by submitting a Bid, agrees that it will not claim damages, by any means, in respect to any matter relating to the Proposal, the Bidding and evaluation process or any subsequent procurement process, if any, resulting from this Bid.

10. REMOVAL FROM BIDDERS LIST

The Corporation reserves the right to remove from its list of Bidders, for a period of 3 years, the name of any Bidder who fails to execute or accept a contract or purchase order or for unsatisfactory performance on any previous or current contract held with the Corporation. See schedule "F"

11. TIME IS OF THE ESSENCE

The Corporation shall have the right to cancel at any time any contract or any part of any contract resulting from this Proposal in respect to the goods, materials, articles, equipment, work or services, covered thereby, not delivered or performed by the specified time in this written document, without incurring any liability whatsoever in respect hereto.

For the sake of this agreement, the project shall be commenced at earliest possible time frame and further completion of the project shall be considered to be 36 months from date of award.

12. CHANGE/ AMENDMENT

At any time prior to the closing date and time, The Corporation reserves the right to alter, delete, amend or add to, in whole or in part, any of the terms, conditions, procedures, requirements and provisions of this Proposal, in which case, a formal Addendum specifying the same in detail will be issued.

13. AGREEMENT IN WRITING ONLY

No verbal arrangement or agreement, relating to the goods, materials, articles, equipment, work or services, specified or called for under this Proposal, will be considered binding, and every notice, advice or other communication pertaining thereto, must be in writing and signed by a duly authorized person.

14. ERROR AND CORRECTION

- 14.1 The Corporation will make all necessary corrections to any Proposal which is in error through addition or extension; the corrected value prevailing.
- 14.2 Any erasures, alterations or cross-outs must be initialed in ink by the Bidder. Failure to do so may result in the rejection of the Bidder's Proposal by the Corporation.

15. STANDARDS AND LEGISLATION

The Successful Bidder may be required to provide written documentation that all materials or equipment offered in a Bidder's Proposal meet all applicable Municipal, Provincial and Federal Government standards, legislation and laws including but not limited to the adherence of provincial crown standards as well as Land Management Agreement standards.

16. MUNICIPAL CONFLICT OF INTEREST

Contracts in which a member of Council has an interest of which disclosure is required under the Municipal Conflict of Interest Act R.S.O. 1990, as amended, are voidable at the instance of

the Corporation before the expiration of two years from the date of authorization if such member fails to make such disclosure at the prescribed time.

17. LOBBYING RESTRICTIONS

- 17.1 Suppliers, Contractors, their staff members, or anyone involved in preparing Bids shall not engage in any form of political or other lobbying whatsoever or seek to influence the outcome of the purchasing process or subsequent Award. This restriction extends to all of the Corporation's staff and members of Council.
- 17.2 The Corporation may reject any Bid by a Supplier or Contractor that engages in such lobbying, without further consideration, and may terminate that Supplier/ Contractors right to continue in the purchasing process.
- 17.3 During a Bid Solicitation process, all communications shall be made through the named party within the competition document. No Supplier/ Contractor or person acting on behalf of a Supplier/ Contractors or group thereof, shall contact any elected official, consultant or any employee of the Corporation to attempt to seek information or to influence the Award.
- 17.4 Elected officials shall refer any inquiries about a Bid Solicitation process to the named party within the competition document.

18. ACCESSIBILITY FOR ONTARIANS WITH DISABILITIES ACT (AODA) COMPLIANCE

The Bidder shall comply with the provisions of the Accessibility for Ontarians with Disabilities Act, 2005, and the Regulations thereunder with regard to the provision of its goods or services contemplated herein to persons with disabilities. Without limitation, if applicable, pursuant to section 6 of Ontario Regulation 429/07, Accessibility Standards for Customer Service, made under the Accessibility for Ontarians with Disabilities Act, 2005, the Bidder shall ensure that all of its employees, agents, volunteers, or others for whom it is at law responsible, receive training about the provision of its goods and services to persons with disabilities. The Bidder acknowledges that pursuant to the Accessibility for Ontarians with Disabilities Act, 2005, the Corporation of the Town of Kirkland Lake must, in deciding to purchase goods or services through its procurement process, consider the accessibility for persons with disabilities to such goods or services. The Bidder shall submit SCHEDULE "B" within as proof of compliance.

19. HEALTH & SAFETY REQUIREMENTS

- 19.1 The Contractor's attention is drawn to the provisions of the Occupational Health & Safety Act 2010. The Contractor shall be considered the "Constructor" under the terms and conditions of this Act.

- 19.2 Certificates of good standing from the Workplace Safety & Insurance Board will be required before commencement of work and before final payment is made.
- 19.3 The Successful Contractor and employees shall accept, read and sign a copy of the Corporations Health & Safety Policy for Contractors prior to commencement of any work.

20. WORKPLACE SAFETY AND INSURANCE BOARD (WSIB)

- 20.1 Note: Effective January 01, 2013 The Province of Ontario introduced and passed legislative Bill 119 as an amendment to the Workplace Safety and Insurance Act, 1997 - S.O. 1997, CHAPTER 16, Schedule A The new rules state the Contractor must register with WSIB and obtain a clearance certificate prior to any work. If they do not have a clearance certificate, the principal may refuse entry to the job site until they have one. It will be an offence for a contractor to perform construction work for a principal without a valid clearance in place. A copy of the required clearance certificate must be attached to the Contractors submission. Failure to do so may result in non-award of the contract. The Corporation retains the right to hire any additional equipment and Operators as is deemed necessary at its sole discretion for such cause. The Contractor shall have no right of appeal whatsoever due to non-compliance.

Clarification and more information can be obtained at Workplace Safety and Insurance Board 1-800-387-0750 or 416-344-1000 or www.BeRegisteredBeReady.ca

- 20.2 The onus is on the Contractor to comply with all applicable local and territorial standards and regulations, in effect and applicable by law in Ontario, Canada.
- 20.3 The Contractor must remain in good standing with the Worker's Compensation Board throughout the duration of the Contract. The Contractor clearly understands and agrees that neither he/she or anyone hired by him/her is covered by the Town of Kirkland Lake under the Workers Compensation Act, and the Contractor shall be responsible for and pay all dues and assessments payable under the Worker's Compensation Act., the Unemployment Insurance Act, or any other Act, whether Provincial or Federal, in respect of himself/herself, his/her employees and operations, and shall furnish the Corporation with satisfactory evidence that he/she has complied with the provisions of such Act. If the Contractor shall fail to do so, the Corporation or Members shall have the right to withhold payment for such sum or sums of money due to the Contractor as may be required to cover such default and the Corporation shall have the right to make such payment.

21. MUNICIPAL FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY ACT

This information is being collected pursuant to the provisions of the Municipal Freedom of Information and Protection of Privacy Act and will only be used to make a decision concerning

the acceptance of this Proposal. The name of the Successful Bidder and total price will be made public. All other information contained in this document will be confidentially viewed by Council if necessary and appropriate staff. This Proposal document is received in confidence save and except the name of the Successful Bidder and the total Proposal amount. However, the successful Proposal will be made public and will form part of the accepting by-law and/or Proposal.

22. FAILURE TO COMPLY WITH ALL PROPOSAL TERMS

Failure to comply with all terms, specifications, requirements, conditions and general provisions of this Proposal, to the satisfaction of the Corporation, shall be just cause for the cancellation of the contract award. The Corporation shall then have the right to award this contract to any other Bidder or to re-issue the Proposal. The Corporation shall assess against the defaulting Bidder any damages whatsoever as a result of failure to comply.

23. GOODS, MATERIALS AND EQUIPMENT SUITABLE FOR USE

The Bidder warrants that any goods, materials, articles or equipment to be supplied under or pursuant to any official order or contract based on this Proposal, that is or are to be made or used for a particular purpose, will be fit and suitable for that purpose.

24. PROPOSAL PREPARATION COSTS

The Corporation shall not be responsible for the costs incurred by any Bidder to prepare and submit a Proposal or any subsequent documents relating to a Proposal.

25. NOTIFICATION TO BIDDERS

Any notice that the Corporation may be required or desired to give to the Bidder, shall for all purposes be deemed to have been sufficiently and properly given if forwarded by registered mail, courier or fax and addressed to the Bidder at the address shown for the Bidder on his submission, and shall irrefutably be presumed to have been received by the Bidder on the third day following such delivery of notice.

26. INFLUENCE

No person, company, corporation or organization shall attempt in any way, either in private or in public, to influence the outcome of any Corporation purchasing or disposal process. The Bid, Proposal or Proposal of any person, company, corporation or organization that does attempt to influence the outcome of any Corporation purchasing or disposal process will be disqualified, and the person, company, corporation or organization may be subject to exclusion or suspension.

27. PROTECTION OF THE CORPORATION

The Successful Bidder shall at all times well and truly save, defend, keep harmless and fully indemnify the Corporation and its servants, employees and agents, from and against all actions, suits, claims, demands, loss, costs, charges, damages and expense, brought or made against or incurred by the Corporation, its servants, employees or agents, in any way relating to goods, materials, articles or equipment, supplied pursuant to this Proposal.

28. ADHERENCE TO REQUIREMENTS

The Bidder is requested to adhere strictly to all requirements and complete all sections of this Proposal Request including all appendices and Addendums. Failure to do so may be sufficient cause for rejection of the Bidder's submission.

29. HARMONIZED SALES TAX

Pricing shall exclude Harmonized Sales Tax or any other applicable taxes but will be considered extra.

30. WITHDRAWAL OF PROPOSALS

Companies will be permitted to withdraw their Proposal, unopened after it has been deposited, if such a request is received by the Director of Public Works or his designate in writing, prior to the time specified for the closing of Proposals.

31. UNENFORCEABLE PROVISIONS

Should any provision of this document be deemed unenforceable by a court of law, all other provisions shall remain in effect.

32. FORCE MAJEURE

It is understood and agreed that the contractor shall not be held liable for any losses resulting if the fulfillment of the terms of the contract shall be delayed or prevented by wars, acts of public enemies, strikes, fires, floods, acts of God, or for any other cause not within the control of the Provider and which by the exercise of reasonable diligence, the Provider is unable to prevent. Should the performance of any contract be delayed or prevented herein set forth, the Provider agrees to give immediate written notice and explanation of the cause and probable duration of any such delay and to provide written notice as to when Contract obligations resume. In any case, such delay shall not exceed the length of time of the interruption/disruption.

33. CONFLICT RESOLUTION

This Agreement is based upon mutual obligation of good faith and fair dealing between the parties in its performance and enforcement. Accordingly, both parties, with a commitment to honesty and integrity, agree to the following:

- That each will function within the laws and statutes that apply to its duties and responsibilities; that each will assist in the other's performance; that each will avoid hindering the other's performance; that each will work diligently to fulfill its obligations; and that each will cooperate in the common endeavor of the contract.
- All Parties to this Agreement shall attempt to resolve all claims, disputes and other matters in question arising out of or relating to this Agreement or breach thereof first through negotiations between the Contractor or representative and the Member or representative by means of discussions built around mutual understanding and respect.
- Failing resolution by negotiations, all claims, disputes and other matters in question shall attempt to be resolved through mediation, under the guidance of a qualified mediator.
- Failing resolution by mediation, all claims, disputes and other matters in question shall be referred to arbitration.
- No person shall be appointed to act as mediator or arbitrator who is in any way interested, financially or otherwise, in the conduct of the work on the Project or in the business or other affairs of either the Corporation or the Vendor.
- The Award of the arbitrator shall be final and binding upon the parties.
- The provisions of the Arbitration Act, 1991 S.O. 1991, Chapter 17 shall apply.

SPECIFICATIONS

1. SCOPE OF THE WORK

The Corporation of the Town of Kirkland Lake, hereinafter referred to as the “Corporation”, invites Proposals from qualified Bidders to harvest standing timber on approximately 246 hectares of harvest area in Teck Township in accordance with the Municipality’s Land Management Agreement and Provincial Crown Standards. For the sake of this agreement the lands to be forested are;

2. LAND AND BASE DESCRIPTION

The lands are identified in Appendix A, and are identified as Mining Claims numbered as follows:

- **TKL Block 15**
 - L12984, L30331, L30332, L30333, L30334, L2301, L2189, L2160, L11650, L23536,
- **TKL BLOCK 16**
 - L40015, L40016, L47189
- **TKL BLOCK 17* ONLY SOUTH AND WEST/SOUTHWEST OF CLEARAQUA LAKE AND CREEK**
 - L2701 (WEST OF CREEK ONLY), L2700, L2697, L16391, L9092, L12051, L12053

NOTE: the definitive listing of claims available for harvesting is shown on the maps in Appendix “A”.

The proposed blocks are either “Pine Reserved to the Crown” or “All Trees Reserved to the Crown” This designation on the title documents means that in addition to the municipal process, a “Forest Resources Licences” will be required from the Ministry of Natural Resources and Forestry to authorize harvesting and that Crown dues are also payable.

3. ESTIMATED SUMMARY OF INVENTORY VOLUMES (Cubic Metres):

Block	Area	Jack Pine	Black Spruce	White Spruce	Balsam Fir	Cedar	Tamarack	Poplar	White Birch	Other Hardwood	Total
Block 15 ATR	56	1400	1	10	0	2	0	3100	1942	40	6494
Block 15 PR	39	588	2	3	0	7	0	1631	854	0	3085
Block 16 ATR	32	846	1	8	0	0	0	1822	1168	26	3872
Block 17 ATR	12	935	0	0	20	0	0	990	228	142	2315
Block 17 PR	107	9051	0	7	5	0	0	12761	2932	1234	25990
Total	246	12820	4	28	25	9	0	20302	7125	1442	41755

Bidders should note that the block listings and associated volumes are ESTIMATES only and Bidders are advised to use their own discretion in establishing the volumes contained in these blocks.

A standing listing is available upon request from the Barton Consulting Services, Call (705) 648-0708 email: jbartonconsulting@gmail.com

Possible access to the proposed harvest area is via Goldthorpe Road, or via an existing logging road to the north that originates near Sesekinika. Bidders are responsible for attaining permission from land owners to cross any private land.

Specific areas within these blocks are NOT to be harvested, specifically those parcels in Block 16 that are adjacent to Winnie Lake. See Appendix B.

The Proposal shall be for the harvesting of standing timber **only** on the entire parcels **only** – lump sum bid only (i.e. not per tonne or other unit of measure). The Municipality will retain ownership of the land and ownership of timber rights.

4. THE SUCCESSFUL BIDDER SHALL, AT ITS OWN EXPENSE (THE DELIVERABLES)

- 4.1 Provide all services, labour, supervision, tools, equipment, material for the harvesting of timber on the designated parcels, including any special technical assistance which may be required for the removal of the said standing timber at its sole expense.
- 4.2 Acquire the timber rights on behalf of the Corporation for parcels containing ATR (All Trees Reserved) and/or PR (Pines Reserved) designations. The Corporation shall retain any said timber rights acquired under this provision.
- 4.3 Mark harvest area boundary lines in advance of harvesting (Boundary marker must be an experienced, competent individual) ;
- 4.4 Ensure that harvesting standards are carried out to Provincial standards (at minimum);

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- 4.5 Be responsible for the completion of all applicable permits, licences etc from the Ministry of Natural Resources and Forestry and all other ministries and/or agencies;
- 4.6 Ensure that all round wood is delivered to approved mills in Ontario consistent with the Land Management Agreement and MNRF District Wood Movement Policy;
- 4.7 Provide records of all timber delivered from the parcels to mills;
- 4.8 Provide a harvest and renewal plan prior to the commencement of any work under the contract:
- a. The renewal plan must be consistent with “Silvicultural Ground Rules” contained in the Land Management Agreement;
 - b. The renewal plan must be carried out within two years of completion of harvest;
 - c. If regeneration is to be sub-contracted, the Successful Bidder must provide a copy of their agreement with the sub-contractor to the Municipality for review and approval. Bidders that propose to engage third party contractors specifically qualified in regeneration will score higher on the selection matrix;
 - d. The Successful Bidder will be solely responsible for the remediation of issue(s) and/or payment of penalties related to any infractions contrary to the Crown Forest Sustainability Act or other regulations or legislation;
 - e. Ensure that renewal is carried out within two years of completion of harvest consistent with the renewal plan;
 - f. Ensure that harvesting standards are carried out to Provincial standards (at minimum)
 - g. Be solely responsible for the remediation of issue(s) and/or payment of penalties related to any infractions contrary to the Crown Forest Sustainability Act or other regulations or legislation;
 - h. Ensure that any and all forest access roads remain open to the public during and following the harvesting operation.
 - i. The Proposal shall be for the harvesting of standing timber on the entire lots - lump sum (not per tonne);

- j. The Proposal is for standing timber only; the Corporation will retain ownership of the land and ownership of the timber rights;
 - k. The Proposal is for the one-time harvesting of the timber and does not grant any future or ongoing rights to harvest the said timber;
 - l. The Successful Bidder shall be required to complete the Contract within the timelines agreed upon;
- 4.9 Ensure that any municipal roads and/or existing forest access roads are left in AS GOOD CONDITION OR BETTER than they were prior to the harvesting operation;
- 4.10 Ensure that any and all forest access roads remain open to the public during and following the harvesting operation.
- 4.11 Complete Contract requirements including harvest and re-forestation silviculture MUST BE COMPLETED WITHIN 36 MONTHS OF THE AWARD OF CONTRACT OR PERFORMANCE BOND BECOMES NON-REFUNDABLE AND IS FOREITED.
- 4.12 Be responsible for the payment of any and all applicable Crown dues and fees.

5. EVALUATION / AWARD

- 5.1 An Evaluation Committee has been established to review and evaluate each proposal based on the criteria and scoring listed below.

	CRITERIA	MAX. SCORE
1.	Total bid amount payable to the Town of Kirkland Lake	40
2.	Ability to meet the services required in compliance with the scope of work defined within as well as expectations defined within Land Management Agreement as well as Provincial Crown Standards.	20
3.	Past Experience and proven ability in the timber harvesting	20
4.	Proposed Harvesting Plan & schedule	10

5.	Proposed Renewal Plan & schedule	5
6.	Proposed access Plan	2.5
7.	Detailed options that are consistent or exceed “best management practices” within the timber harvesting sector.	2.5
	Total Available Points	100

6.0 SELECTION PREFERENCE

- 6.1 The Town of Kirkland Lake is desirous to secure one provider encompassing all parcels described.
- 6.2 The Successful Bidder will have made consideration within its Timber Marketing Plan for the deposit within regional mills but not restricted to.
- 6.3 The Corporation reserves the right to reject any or all Proposals for reasonable cause and to accept any Proposal if considered in the best interest of the Corporation. The highest or any Proposal not necessarily accepted.
- 6.4 Any award on this Proposal is conditional upon the Successful Bidder entering into an agreement to perform the goods and/or services as required by this Proposal, within such time period as is satisfactory to the Corporation. Failing this, the Corporation reserves the right to cancel the award and then re- award this Proposal in whole or in part to any other Bidder, without any liability to the Successful Bidder, or to cancel this Proposal in its entirety. The Proponents Bid Bond shall be forfeited to the Corporation should the Successful Proponent not enter into agreement. The Successful Bidder shall execute any documentation, drafted in accordance with the terms of the Proposal and any subsequent negotiations, within seven (07) days of the date of notification of the Successful Bidders selection.
- 6.5 Respondents not initially selected as the Successful Bidder hereby commit themselves, subject to notification by the Corporation to execute documentation as aforesaid up to sixty (60) days following the date of opening of their Proposals. Bid Bonds on behalf of unsuccessful Bidder shall be returned at this time.

7.0 ENVIRONMENTAL COMMITMENT

The Town of Kirkland Lake is committed to becoming an increasingly environmentally conscious municipality who understands that our success is dependent upon the sustainability and

protection of the natural resources that we all share. Respondents should present detailed options that are consistent or exceed “best management practices” within the timber harvesting sector. Consideration will be given to such aforementioned services.

8.0 THE PROPONENT’S SUBMISSION SHALL CONTAIN (AT A MINIMUM)

- a) A Bid bond issued by a surety company licensed to operate by the Government of Canada or the Province of Ontario in the amount of 10% of the Bid price.
- b) A letter of intent issued by a surety company licensed to operate by the Government of Canada or the Province of Ontario, to provide a Performance Bond in the amount of \$50,000 specifically related to the silviculture portion of this agreement
- c) Written Lump sum price for each parcel and full cumulative total fee payable to the Town of Kirkland Lake. (50% payable at the time of the award of the contract, 50% no less than 10 working days prior to initiation of harvesting or access operations);
- d) Description of background and experience of bidder; including professional resume’s.
- e) Harvesting plan and schedule;
- f) Renewal plan and schedule
- g) Access Plan
- h) Timber marketing plan & Schedule
- i) References
- j) Environmental Statement

Upon award and within seven (7) days of notification, The Successful Proponent shall provide to the municipality:

- A performance Bond issued by a surety company licensed to operate by the Government of Canada or the Province of Ontario, in the amount of \$50,000 specifically related to the silviculture portion of this agreement.
- Proof of Commercial General Liability (in good standing)
- WSIB Certificate in good standing.
- The Successful Contractor and employees shall accept, read and sign a copy of the Corporations Health & Safety Policy for Contractors

Upon satisfactory delivery of required documentation a purchase order/ agreement will be issued.

The title search confirmed that each of the above-listed 20 parcels contains the timber rights with the exception either the Pine ("Pine Reserve") or "All Trees Reserved". Wherever applicable, the Successful Bidder shall be responsible to acquire the rights to harvest the standing timber by way of a Forest Resource License issued by the Ministry of Natural Resources and Forestry.

9. BIDDERS TO INVESTIGATE

Bidders are required to submit their bids upon the following express conditions:

- a) The Bidder shall examine the bid documents and make personal examination of the site(s) in order to become acquainted with the conditions under which the Bidder will be obliged to work.
- b) The Bidder shall make all the investigations necessary to become thoroughly informed regarding all facilities for access to the site(s) such as may be required to execute the work.
- c) The Bidder shall be wholly responsible for the completeness and accuracy of the information obtained by the Bidder's personal examination and study. No plea for ignorance of conditions that exist, or that may exist hereafter, or of conditions, or difficulties that may be encountered in the execution of the work under this contract as a result of failure to make the necessary examinations and investigation, or ascertaining the required information will be accepted as an excuse for any failure or omission on the part of the contractor to fulfill in every detail all the requirements of the said contract documents, or will be accepted as a basis for any claims whatsoever for extra compensation, or for an extension of time.

10. PERMITS, CODES, BY-LAWS AND LEGISLATION

- 10.1 The Successful Bidder shall comply with the requirements of all applicable legislated laws, regulations and by-laws, specified standards, codes and specifications pertaining to the work performed and shall indemnify and save harmless the Corporation against any and all claims arising from the Successful Bidder's lack of compliance.
- 10.2 The Successful Bidder shall obtain all necessary permits required for the execution of the work and pay all fees required, including crown dues and fees, legal fees, cutting fees, Forest Resources Licenses and re-forestation (silvicultural) fees.

11. GUARANTEE PERIOD

- 11.1 The Contractor hereby covenants and agrees to perform the Contract in accordance with the specifications under which the Contract is awarded;
- 11.2 To save the Corporation, its agents, or employees harmless from liability of any kind for the use of any method, composition, secret process, invention, materials, article or appliance furnished or used in the performances of the contract.
- 11.3 To furnish adequate protection from damage for all work and to repair damage of any kind for which he or his workers are responsible, to the surrounding premises or equipment, from his own work or the work of other contractors.
- 11.5 To pay for and carry all permits, licenses, certificates and fees, and to give all notices and comply with all by-laws and regulations of the Corporation, unless otherwise specified for the duration of the contract.
- 11.6 To carry such insurance as may be required by the Corporation, and to furnish satisfactory proof thereof when required by the Corporation.

12. NO REPRESENTATIONS, WARRANTIES, GUARANTEES OR REFUNDS – TIMBER QUALITY

The Corporation makes no representations whatsoever with respect to the quality, health or value of the standing timber on the Contract Property. The Successful Bidder shall be required to fully satisfy themselves and to conduct whatever investigations and research which may be necessary prior to submitting the RFP and a Bid Price. The Corporation does not warranty or guarantee the quality, health or value of the timber on the Contract Property. No refunds, deductions or abatements shall be provided after the Contract is finalized.

13. FAILURE TO COMPLETE THE WORK

In the event that the Contractor fails to carry out the terms and requirements of the task in a manner satisfactory to the Corporation, The Corporation, in its sole and absolute discretion, shall have the right to terminate the said contract at any time, upon written notice to the Contractor. The Contractor shall not be entitled to any damages whatsoever by reason of the termination of the agreement as aforementioned, nor shall the Contractor be entitled to make any claim under the said agreement, except for any work accomplished prior to the termination of the agreement and only when it has been determined that the application was done effectively and in accordance with proper methods. If this agreement is so terminated, the Corporation reserves the right to declare the Contractor ineligible to bid on any Municipal work for a 36 month period following default.

14. REGULAR HOURS OF WORK

The Corporation accepts no responsibility for the timing of the work process for circumstances beyond its control. The Contractor shall not be entitled to any damages whatsoever by reason of the early termination, nor extended termination of the work process.

15. BONDING REQUIREMENTS

- 15.1 All Proponents shall submit with their submission, a Bid bond issued by a surety company licensed to operate by the Government of Canada or the Province of Ontario in the amount of 10% of the Bid price offered as a means of ensuring the Bidder enters into agreement. Should the Successful Bidder fail to enter into agreement, then the Corporation shall cash the Bond. Bonds received on behalf of unsuccessful Bidders shall be returned upon entry of agreement between the Successful Bidder and the Corporation.
- 15.2 All Proponent shall submit with their submission a letter of intent issued by a surety company licensed to operate by the Government of Canada or the Province of Ontario, a Performance Bond in the amount of \$50,000 specifically related to the silviculture portion of this agreement. The bond would be released following written confirmation from a Corporation retained Registered Professional Forester that the work has been completed in accordance with the approved renewal plan. Indicate the length of time you have been with this Surety Company and provide a named reference with phone numbers.
- 15.3 The completion of the project shall be within 36 months of award, including the re-forestation or silviculture portion of this agreement. Should the Successful Proponent fail to carry out this portion of agreement, performance bond becomes non-refundable and is forfeited to the Corporation.

16. BASIS OF PAYMENT

- 16.1 Lump sum price (50% payable at the time of the award of the contract, 50% no less than 10 working days prior to initiation of harvesting or access operations); The Contract Price shall be payable to the Corporation by way of a certified cheque, money order or bank draft.
- 16.2 Unless otherwise indicated herein, The Successful Contractor shall pay the Corporation in Canadian Funds at the Town of Kirkland Lake, Canada. The Contractor's payment shall make consideration for and shall include all equipment, fuel, insurance, maintenance, supply and operation of all equipment including overtime, labour costs and re-forestation (Silvicultural) of all parcels timbered.

- 16.3 Should an additional tax or duty or any variation in any tax or duty, become directly applicable to goods, materials, articles or equipment, specified or called for in this Proposal, subsequent to its submission by the Bidder and before the delivery of the goods, materials, articles or equipment pursuant to an official order issued by the Corporation the appropriate increase or decrease in the price of such goods, material, articles or equipment, shall be made to compensate for such changes as of the effective date thereof.
- 16.4 The Contractor is responsible for the payment of wages of any employees hired by him/her and when requested, shall furnish evidence to the satisfaction to the Corporation that these wages have been paid in full. The Contractor shall hold the Corporation harmless as a result of such default.
- 16.5 No fuel surcharges shall be allowed. In the best interest of the Corporation, potential Bidders and in an effort to promote fairness in the competitive process, Contractors are invited to bid based on current fuel prices.
- 16.6 On December 12, 2017, the Ontario Legislature passed Bill 142, the Construction Lien Act, Amendment Act, 2017 into law. While Bill 142 passed Third Reading on December 12, 2017, almost all of the substantive provisions will not come into effect until proclaimed, and they will not be proclaimed until related regulations and forms are approved. Contract Management systems are asked to respond to adjudication review of their template contracts documents to ensure that they comply with the amendments.

17. INSURANCE

The Contractor shall provide proof of motor vehicle liability insurance having limits of not less than \$5,000,000 inclusive per occurrence for bodily injury, death and damage to property. The Contractor shall provide proof of general liability insurance having limits of not less than \$5,000,000 inclusive per occurrence for bodily injury, death and damage to property and including the Corporation as an additional insured and containing a cross liability clause.

18. INDEMNITY

The Contractor agrees to indemnify and save harmless the Corporation from any claim or demand arising as a result of the performance or non-performance of this Contract by the Vendor, and without limiting the generality of the foregoing. The Vendor agrees to indemnify and save harmless the Corporation from any claim or demand arising after the expiry of any reasonable time limit fixed by the Corporation for the completion of the work.

19. FOREST RESOURCES LICENSES

The proposed blocks are either "Pine Reserved to the Crown" or "All Trees Reserved to the Crown" This designation on the title documents means that in addition to the municipal process,

a “Forest Resources Licences” will be required from the Ministry of Natural Resources and Forestry to authorize harvesting and that Crown dues are also payable.

20. SUBCONTRACTORS

- 20.1 The Successful Bidder shall not assign, transfer, convey, sublet or otherwise dispose of the Contract or his/her right, title or interest therein, or his/her power to execute such contract, to any other person, company or corporation, without the previous consent, in writing, of the Corporation's officials, which consent shall not be unreasonably withheld.
- 20.2 The Contractor hereby understands and agrees that any or all Subcontractors hired to perform within the scope of this Proposal are subject to all terms and conditions stated within and the Principle Contractor shall be held accountable.
- 20.3 The Contractor shall submit a list of their proposed Subcontractors (See Schedule “A”) of all of the Subcontractors which the Bidder proposes to use to perform work under the Agreement and the division or section of Contract Work to be completed by each Subcontractor.
- 20.4 The Contractor shall ensure that all Subcontractors selected and named have experience in the subcontracted work described within the Proposal documents, and that they will execute their work with competence and within the required time frame.
- 20.5 The Contractor shall ensure that all Subcontractors shall be actively engaged in work of the type described and shall be able to show proof upon request by the Corporation, of previous work of similar nature performed by them.
- 20.6 The Contractor shall not show “Own Forces” in their list of proposed Subcontractors, except where the Bidder's intent is to employ the Bidder's own qualified on-staff personnel to perform such work.
- 20.7 The Contractor shall not indicate “TBD” (To Be Determined) or “TBA” (To Be Announced) or similar wording and shall not indicate multiple choices of Subcontractor names for any Subcontractor category in their list of proposed Subcontractors. One Subcontractor name shall be indicated for each Subcontractor category.
- 20.8 No names, either of Subcontractors or “Own Forces” may be changed after submission of the list of proposed Subcontractors unless prior written approval is received from the Corporation. Such approval will only be considered after receipt by the Owner of a written request for the change by the Bidder with a full explanation of the reasons for the requested change and a letter from the previously named Subcontractor agreeing to withdraw its bid with no consequences to the Corporation.

- 20.9 The Corporation reserves the right to reject a proposed Subcontractor for reasonable cause. Upon such rejection, the Bidder will be required to propose an alternate Subcontractor and to identify any resulting change to the Bid Price. This change can affect the status of the low Bid, and may result in a different Bid becoming low.
- 20.10 Within Schedule “A” attached, should the Bidder indicate “N/A” (not applicable), “None”, “Own Forces” or imply by either non-completion or omission of this form, that no Sub-Contractor will be used in the execution of this agreement, It is then understood that the Corporation will make no allowance for, nor shall any Sub-Contractors be allowed to perform any part of this agreement.

21. SAFETY

- 21.1 The Successful Contractor hereby understands and agrees that he/she maintains full and sole responsibility for conducting the work in a safe manner, ensuring the safety of his/her employees and public.
- 21.2 The Successful Contractor and employees shall accept, read and sign a copy of the Corporations Health & Safety Policy for Contractors.
- 21.3 If at any time during the duration of the contract either the equipment or personnel are operating in an unsafe manner, the Corporations Planning Authority or his designate shall have the right to suspend the operation and have the equipment and the operator(s) removed from the job site.
- 21.4 The Contractor shall report promptly to the Corporation’s Planning Authority, giving full details in writing of all accidents in connection with the performance of the work, which results in property damage, death or injury.

22. TERMINATION

- 22.1 The Contractor agrees that where, in the opinion of the Corporation, the Contractor fails to satisfactorily perform any of the Contractor’s obligations under this agreement, and the Corporation may at their own discretion, give written notice to the Contractor, terminating the agreement.
- 22.2 The Contractor agrees that the Corporation may without liability terminate this entire agreement at any time on one (1) day written notice to the Contractor as a result of changes in the Corporation’s requirements, or changes in the availability of funds.
- 22.3 In the event the Corporation must terminate this agreement, the Successful Bidder agrees to pay to the Corporation, for the materials removed within the contract period up to and including the date of termination.

23. PERFORMANCE EVALUATION

- 23.1 The Successful Bidder agrees that the results of a performance evaluation (see SCHEDULE "F") will be considered for any future awards, and will have a direct impact and influence in the selection of successful Bidders on future awards. Documented poor performance may result in disqualification from Bidding on any one type of project or all projects for a period of 3 years.
- 23.2 Documented poor performance may result in disqualification of the Bidder's submission for this Proposal.

24. DELIVERY INFORMATION

The Bidder agrees that the goods, materials, articles, equipment specified or called for in or under this Proposal, will be delivered within the period set out herein as the guaranteed period of delivery or completion after receipt of an official order therefore.

25. CONTRACT SPECIFICATIONS

The work specified in the contract will be performed in strict accordance with the following provisions, plans, specifications & conditions of Proposal

Special Provisions – N/A

Plans – N/A

Standard Drawings – N/A

Standard Specifications – in accordance with provincial crown standards.

FORM OF PROPOSAL

Each FORM OF PROPOSAL should contain the legal name under which the Bidder carries on business, telephone number and fax number, as well the name or names of appropriate contact personnel which the Corporation may sub-contract regarding the Proposal.

I/We, the undersigned, have carefully examined the attached documents and conditions of the Proposal. I/We understand and accept those specifications, conditions, and details as described herein, and, for these rates/prices offer to furnish all equipment, labour, apparatus and documentation as are required to satisfy this Proposal.

NOTE: All portions of "Form of Proposal" must be accurately and completely filled out.

ITEM	DESCRIPTION			LUMP SUM TOTAL
	For the harvesting of standing timber (with the exception of any tree reservations) on the Contract Property pursuant to all terms and conditions outlined within. The Bid Price shall be a lump sum price for the said timber on the Contract Property (not per tonne or per stump).			
TKL Block 15				
1	L12984			\$
2	L30331			\$
3	L30332			\$
4	L30333			\$
5	L30334			\$

THIS IS PAGE 1 OF 9 TO BE SUBMITTED

ITEM	DESCRIPTION			LUMP SUM TOTAL
	For the harvesting of standing timber (with the exception of any tree reservations) on the Contract Property pursuant to all terms and conditions outlined within. The Bid Price shall be a lump sum price for the said timber on the Contract Property (not per tonne or per stump).			
6	L2301			\$
7	L2189			\$
8	L2160			\$
9	L11650			\$
10	L23536			\$
11	L2301			\$
TKL BLOCK 16				
L40015				\$
L40016				\$

THIS IS PAGE 2 OF 9 TO BE SUBMITTED

ITEM	For the harvesting of standing timber (with the exception of any tree reservations) on the Contract Property pursuant to all terms and conditions outlined within. The Bid Price shall be a lump sum price for the said timber on the Contract Property (not per tonne or per stump).			LUMP SUM PRICE
L47189				\$
TKL BLOCK 17 - ONLY SOUTH AND WEST/SOUTHWEST OF CLEARAQUA LAKE AND CREEK				
L2701 (WEST OF CREEK ONLY)				\$
L2700				\$
L2697				\$
LI6391				\$
L9092				\$
L12051				\$
L12053				\$
THIS IS PAGE 3 OF 9 TO BE SUBMITTED				

SUB TOTAL	
H.S.T.	
TOTAL	

I/We _____ offer to supply the requirements stated within;

I/We hold the payment prices offered valid until project completion.

I/We will deliver and complete the project prior to August 31, 2021 OR PRIOR TO _____,

The specifications have been read over and agreed to this _____ day of _____ 2018

Company Name	Contact name (please print)
Mailing Address	Title
Postal Code	Authorizing signature "I have the authority to bind the company/corporation/partnership."
Telephone	Fax
Cell Phone if possible	Email

THIS IS PAGE 4 OF 9 TO BE SUBMITTED

Non Collusion Affidavit

I/ We _____ the undersigned, am fully informed respecting the preparation and contents of the attached Proposal and of all pertinent circumstances respecting such Bid.

Such Bid is genuine and is not a collusive or sham Bid.

Neither the Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties of interest, including this affiant, has in any way colluded, conspired, connived or agreed directly or indirectly with any other Bidder, firm or person to submit a collective or sham Bid in connection with the work for which the attached Bid has been submitted nor has it in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit or cost element of the Bid price or the price of any Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the Corporation of Temiskaming Shores or any person interested in the proposed Bid.

The price or prices quoted in the attached Bid are fair and proper and not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

The Bid, Proposal or Proposal of any person, company, corporation or organization that does attempt to influence the outcome of any Corporation purchasing or disposal process will be disqualified, and the person, company, corporation or organization may be subject to exclusion or suspension.

Dated at _____ this _____ day of _____, 2018

Signed _____

Company Name _____

Title _____

THIS IS PAGE 5 OF 9 TO BE SUBMITTED

Conflict of Interest Declaration

Please check appropriate response:

- ☐ I/we hereby confirm that there is not nor was there any actual or perceived conflict of interest in our Proposal submission or performing/providing the Goods/Services required by the Agreement.
- ☐ The following is a list of situations, each of which may be a conflict of interest, or appears as potentially a conflict of interest in our Company's Proposal submission or the contractual obligations under the Agreement.

List Situations:

In making this Proposal submission, our Company has / has no (strike out inapplicable portion) knowledge of or the ability to avail ourselves of confidential information of the Corporation (other than confidential information which may have been disclosed by the Corporation in the normal course of the Proposal process) and the confidential information was relevant to the Work/Services, their pricing or Proposal evaluation process.

Dated at _____ this _____ day of _____, 2018.

Firm Name _____

Bidder's Authorization Official (PRINT) _____

Title _____

Signature _____

THIS IS PAGE 6 OF 9 TO BE SUBMITTED

Schedule "A" - List of Proposed Sub-Contractors

A list of Sub-Contractors that the Contractor proposes to employ in completing the required work outlined in this Proposal must be included in the Proposal documents submitted.

	Name	Address	WSIB Certificate Number (copy attached)
1			
	Details of work to be performed by the Sub-Contractor named above		
2			
	Details of work to be performed by the Sub-Contractor named above		
3			
	Details of work to be performed by the Sub-Contractor named above		

I / We verify that the information provided above is accurate and that the individuals are qualified, experienced operators capable of completing the work outlined in this Proposal document.

Signed by Company Official

Printed

Signed

THIS IS PAGE 7 OF 9 TO BE SUBMITTED

Schedule "B"

Accessibility for Ontarians with Disabilities Act, 2005 Compliance Agreement

I/We, by our signature below, certify that we are in full compliance with Section 6 of Ontario Regulation 429/07, Accessibility Standards for Customer Service made under the Accessibility for Ontarians with Disabilities Act, 2005. If requested, we are able to provide written proof that all employees have been trained as required under the act.

This regulation establishes accessibility standards for customer service as it applies to every designated public sector organization and to every person or organization that provides goods or services to members of the public or other third parties and that have at least one employee in Ontario.

Name _____ Company Name _____

Phone Number _____ Address _____

I, _____, declare that I, or my company, are in full compliance with

Section 6 of Ontario Regulation 429/07, Accessibility Standards for Customer Service under the *Accessibility for Ontarians with Disabilities Act, 2005*.

I, _____, declare that I, or my company, are not in full compliance

with Section 6 of Ontario Regulation 429/07, Accessibility Standards for Customer Service under the *Accessibility for Ontarians with Disabilities Act, 2005*, yet fully agree to meet the required compliance training standards on or before the delivery of the required goods and/or services. In an effort to assist non-compliant vendors, a link to a free e-learning course module called Serve-Ability, Transforming Ontario's Customer Service is available at www.gov.on.ca/mcss/serveability/splash.html.

Date: _____

Schedule “C” to be submitted

Description of background and experience of bidder; including professional resume’s.

Harvesting plan and schedule;

Renewal plan and schedule;

Access Plan;

Timber marketing plan.

References

Environmental Statement

Please use additional sheet which must be attached to Proponent’s submission.

THIS IS PAGE 9 OF 9 TO BE SUBMITTED

Schedule "E" – Mailing Label (to be used)

PLEASE FIRMLY AFFIX THIS LABEL TO YOUR SUBMISSION ENVELOPE FOR PROPER PROPOSAL IDENTIFICATION.



COMPANY NAME _____	FOR CORPORATION USE ONLY
ADDRESS _____	DATE RECEIVED _____
_____	TIME: (LOCAL TIME) _____
POSTAL CODE _____	RECEIVED BY: _____
<p>CORPORATION OF THE TOWN OF KIRKLAND LAKE</p> <p>P.O. BAG 1757</p> <p>3 KIRKLAND STREET</p> <p>KIRKLAND LAKE, ON P2N 3P4</p> <p>ATTENTION: JOANN DUCHARME – MUNICIPAL CLERK</p> <p>RFP-519-18 Timber harvesting</p> <p>Proposal closes: Tuesday August 21st, 2018 at 2:00 pm</p>	



Schedule "F" - Performance Evaluation (for Corporation Use only)

Vendor's Name		Telephone	
Address		Postal Code	
Vendor's Representative			
Contract Description; Request for Proposal RFP- 519-18 Timber Harvesting			
Awarded Contract Value		Actual Contract Value	
Cost Centre	District/Region/Branch	Corporation Contact Person; Wilfred Haas	Division; Planning
Scheduled Start; Upon notification	Actual Start;	Scheduled Completion;	Actual Completion

Performance Rating

O-Outstanding G-Good F-Fair P-Poor	Rate	Comments
1. Quality of Work Performed		
2. Ability of Employees used for work		
3. Scheduling and Coordination		
4. Availability of Equipment and Employees		
5. Equipment/Procurement & Delivery		
6. Condition and Suitability of Equipment		
7. Cooperation of Municipality and Employees		

8. Cooperation with outside Agencies		
9. Conformity to Pertinent Acts and Regulations		
10. Safety (Overall)		
11. Quality of Supervision		
12. General Housekeeping		
13. Responses to Unplanned Changes		
14. Other (Specify)		
Causes for Delays (if any)		
Liquidated Damages (itemize)		

*

Future Recommendations: Provider recommended for future work	Yes	No (explain)
Comments:		
Department Director	Date	
Title	Project Coordinator	
Company Representative		

* To be co



REPORT TO COUNCIL

Meeting Date: 1/12/2021

Report Number: 2021-DEV-001

Presented by: Jenna McNaughton

Department: Development Services

REPORT TITLE

Land Use Permit with Ontario Federation of Snowmobile Clubs

RECOMMENDATION(S)

BE IT RESOLVED THAT Report Number 2021-DEV-001 entitled “**Land Use Permit with Ontario Federation of Snowmobile Clubs**” be received,

THAT Council authorize the Town of Kirkland Lake to execute a Land Use Permit with the Ontario Federation of Snowmobile Clubs, Golden Corridor Snowdrifters, over five (5) mining claims south of Armer Lake, and

THAT staff be directed to present a by-law to Council to enter into an Indemnity and Hold Harmless Agreement with the Ontario Federation of Snowmobile Clubs, Golden Corridor Snowdrifters to utilize municipal land for the purpose of snowmobile trails.

BACKGROUND

In May 2018, Council directed staff to issue an RFP to harvest timber on select parcels of land in the Winnie Lake area (Blocks 15, 16, & 17). EACOM Timber Corporation was the successful bidder with a quote price of \$70,654.52 plus tax. The work was undertaken in late 2019. At the February 9, 2020 Council Meeting, Council approved expanding the scope of work to include harvesting Blocks TKL 13 and 14. The request was brought forward from the Golden Corridor Snowdrifters, as harvesting would enable the club to reroute its existing trails to enhance safety and improve access to Kirkland Lake from Sesekinika. This was completed in the Spring of 2020 and generated an additional \$35,000 in revenue. Revenue from both cuts were directed to support the Community Improvement Plan. The club is now requesting permission to enter into a Land Use Permit for the lands south of Armer Lake.

R A T I O N A L E

By granting permission to the club to use the land, they can begin re-routing their trail to tie in the two sections, providing an improved snowmobile access in and out of Kirkland Lake, as it acts as a shortcut from Sesekinika.

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 enter into the land use permit, without the additional Indemnity and Hold Harmless Agreement.

Council may deny the request to enter the land use permit, however this may be seen as unfavourable due to the permitted expansion of the forestry contract relating to the club's request.

F I N A N C I A L C O N S I D E R A T I O N S

Any work conducted on the lands will be the sole responsibility of the snowmobile club. The clubs holds \$10,000,000 liability insurance.

R E L A T I O N S H I P T O S T R A T E G I C P R I O R I T I E S

BT-7: Promote economic growth & BT-8: Put KL on the map: Improve regional and provincial knowledge of KL – allowing the snowmobile club to tie the trails in from the Sesekinika area into Kirkland Lake provides access for non-residents to enter into the community.

A C C E S S I B I L I T Y C O N S I D E R A T I O N S

Not applicable

C O N S U L T A T I O N S

Golden Corridor Snowdrifters – Mike Guimond
Economic Development – Wilf Hass

A T T A C H M E N T S

Attachment 1 – Map of the area
Attachment 2 – Land Use Permit

Attachment 1





ONTARIO FEDERATION OF
SNOWMOBILE CLUBS
106 Saunders Road, Unit 12, Barrie, Ontario
L4N 9A8

**PRESCRIBED SNOWMOBILE TRAIL
LAND USE PERMISSION**

MEMORANDUM OF UNDERSTANDING

(PLEASE PRESS HARD AND PRINT OR TYPE)

On this _____ day of _____, year _____ I, the undersigned, owner/occupier of the premises that is

Lot _____, concession # MC L 40015, 40016,

or other L47188, Z6697, L12982 in the Township of Teck

County/District/Region of Temiskaming do hereby give the undersigned named local snowmobile club, as a member in good standing of the Ontario Federation of Snowmobile Clubs, hereinafter referred to as the OFSC, permission to legally enter, establish, groom, maintain, sign and use that portion of the premises herein designated by me for the exclusive purpose of allowing valid permitted and exempted snowmobiles and their riders to use said designated premises for snowmobiling under the following terms and conditions:

1. The local snowmobile club shall at all times remain a member in good standing of the OFSC and be able to verify this to the owner/occupier with a current OFSC certificate or this agreement shall be immediately null and void.
2. By remaining a member in good standing of the OFSC, the local snowmobile club shall be party to the OFSC's third party liability insurance. This coverage is confirmed to the undersigned owner/occupier by signing this memorandum of understanding on the condition no fee has been charged by the owner/occupier for the use of designated premises. The insurance shall have adequate limits to cover land uses specified herein by the local snowmobile club and valid permitted and exempted snowmobiles and their riders on the designated premises.
3. The designated premises shall be sketched on a separate sheet of paper or shown on an attached map and a copy of each/both shall be initialed by both parties hereto and attached to each copy of this agreement.
4. It is understood that the local snowmobile club, with the owner/occupier's verbal consent on each occasion, shall have access to the designated premises prior to and after the winter months for the purpose of opening and closing, upgrading and maintaining the trail when there is no snow cover.
5. The local snowmobile club shall maintain that portion of the designated premises to be used by valid permitted and exempted snowmobiles and their riders in reasonably good condition for snowmobiling purposes only; and undertake to post appropriate signage; remove on an annual basis any litter caused by valid permitted and exempted snowmobiles and their riders; and repair or replace property damaged by valid permitted and exempted snowmobiles and their riders on that portion of the designated property used for snowmobiling.
6. Each party hereto shall give the other sixty (60) days prior written notice to the address below of any changes to, or cancellation of this agreement.
7. The local Snowmobile Club, its wardens and executive are hereby authorized to be the undersigned owner/occupier's agent(s) to supervise and enforce the uses defined hereunder with respect to the designated premises in accordance with the Trespass to Property Act R.S.O. 1990, c.T21; the Motorized Snow Vehicles Act R.S.O. 1990, c.M44; and the Occupiers Liability Act R.S.O. 1990, c.O-2 as amended.

LANDOWNER/OCCUPIER

LOCAL SNOWMOBILE CLUB

NAME		NAME	
	<u>CORP Town of Kirkland Lake</u>		<u>Golden Corridor Snow Drifters</u>



MEMORANDUM TO COUNCIL

Meeting Date: 1/12/2021

Memo Number: 2020-CORP-002M

Presented by: Keith Gorman

Department: Corporate Services

MEMO TITLE

Strategic Initiatives Update

RECOMMENDATION(S)

BE IT RESOLVED THAT Memorandum Number 2020-CORP-002M entitled “**Strategic Initiatives Update**”, be received, and

THAT, staff be directed to present for consideration an updated listing of strategic priorities encompassing deliverables from recent Service Delivery Reviews, the Strategic Plan and other priorities and initiatives identified.

BACKGROUND

2020 was a busy year for the organization, with numerous changes in key personnel, the on-going pandemic which created significant changes to our operations and many of its services, new initiatives identified and pursued by senior management, as well as on-going contract negotiations with three unions.

During the course of these events, a strategic plan was adopted which entailed significant deliverables for the years 2020 through 2023, as well as a service delivery review which further identified gaps, considerations and improvements required to better serve our town or improve our operations.

While staff have made significant progress on many of the identified initiatives, the growing list of deliverables resulting from the recent service delivery review and recent organizational directives is necessitating the need to re-prioritize and identify our most critical objectives.

Senior staff intend to review status of current strategic plan items and update for status through to December 2020 for inclusion in the 2020 Q4 quarterly reporting at the February 16th council meeting.

Staff intend to extend this review to initiatives identified in the recent WSCS service delivery review, as well other key items identified and consolidate deliverables to appropriately assess and prepare an updated listing of strategic priorities for Council's consideration.

Staff will utilize a project prioritization matrix to aid in planning and prioritizing recommendations and will provide a detailed report identifying key initiatives and rationale for Council's review.

Finally, staff will routinely review deliverables and priorities in relation to the changing needs and requirements of our organization and present to Council recommended modifications if necessary. This will allow for improved communications and clarity in managing on-going priorities for staff.

R A T I O N A L E

Updating and reprioritizing strategic initiatives will ensure the organization remains on path to achieve its over-arching values of Sustainable Operational Excellence, Building the Team, Providing Outstanding Service and Promoting Economic Growth.

It will contribute positively to organizational culture and improve communications between staff and Council, as well as provide flexibility for the organization to adapt to on-going needs and new requirements as time progresses.

A T T A C H M E N T S

N/A



MEMORANDUM TO COUNCIL

Meeting Date: 1/12/2021

Memo Number: 2021-CORP-001M

Presented by: Keith Gorman

Department: Corporate Services

MEMO TITLE

Financial Policies Framework

RECOMMENDATION(S)

BE IT RESOLVED THAT Memorandum Number 2021-CORP-001M entitled “**Financial Policies Framework**”, be received, and

THAT staff be directed to present for consideration detailed financial policies in Q1 2021 for Reserve/Reserve Fund Management, Operating Surplus/Deficit and Budget/Financial Controls.

BACKGROUND

A clear set of policies and protocols pertaining to financial matters will ensure the Town of Kirkland Lake continues on a sound and sustainable path forward, while guiding long-term planning decisions around key areas and responsibilities such as asset management and financial planning.

RATIONALE

Prior strategic reviews have identified several key financial policies required to be implemented including a reserves and reserve funds policy, a surplus management and investment policy, and a debt management policy. These have all been included as strategic priorities in Kirkland Lake’s Strategic Plan.

Given the scope of such policies and collectively, their ability to shape the course of Kirkland Lake financially, due consideration should be given to establishing the overall objectives and intentions to help ensure the singular policies align with the broader goals and vision for Kirkland Lake.

A well-structured and defined set of financial policies will provide a framework for the Town to help ensure that financial, service and infrastructure standards can be met without resorting to unplanned or excessive increases in rates or disruptive cuts in services.

Guiding Principles

Respect for the taxpayer

- Striving to balance excellence and value
- Predictable tax level
- Periodic review of programs and services

Maintain Assets

- Physical assets are maintained and replaced using models of best economic value

Forward Thinking

- Significant financial decisions should be based on a multi-year forecast
- Build reserves to provide flexibility and manage risk
- Prudence and flexibility should be built into budgets

Borrow Responsibly

- Debt will be used for specified capital programs, at affordable levels to taxpayers and user ratepayers
- Maintain credit rating

Pursue Innovation

- Find efficiencies and improvements in managing and delivering services

Short and Long Term Financial Planning

- Budget planning should respect the above principles
- On-going reporting should include financial conditions and performance relative to this framework and developed policies

ATTACHMENTS

Attachment 1 – Policy Framework

Attachment 1

DEBT MANAGEMENT

Debt includes long-term debt and capital lease obligations. In accordance with the Municipal Act, long-term debt can only be used to finance capital assets. The term of the debt must be equal to, or less than the life of the asset (subject to limitations imposed under the Municipal Act). The Province limits the total amount of debt for a municipality at 25% of its own-source revenues (all revenue received less Federal and Provincial Grants).

GUIDING PRINCIPLES

- Long-term debt should only be used for purchase, construction or replacement of assets with long useful lives that provide a benefit for future taxpayers
- Term of the debt repayment must match or be less than the expected useful life of the asset
- Burden of principal and interest relative to Kirkland Lake's own source revenue (i.e. excluding government grants) will be the overall measure of affordability of debt

TARGETS

- Debt levels must remain within Provincial limits; the Town should strive to leave adequate room to allow for flexibility

ACCOUNTABILITIES

- Council authorizes new debt financing in conjunction with the annual capital budget, or through subsequent amendments as approved by Council
- The Treasurer or designate determines short term borrowing needs and reports to Council annually on any balance and its use
- The Treasurer or designate will seek Council approval on new debt prior to initiation of the project
- The Treasurer or designate will include within the budget a review of debt against targets



- The Treasurer or designate will report to Council on the implications of financing decisions affecting the Town's Annual Repayment Limit as required under the Municipal Act.



INVESTMENTS

All investments must comply with the Municipal Act, 2001, Sections 418-420, which details restrictions on type and duration of investments a municipality may make if any funds are not immediately required to meet current operating or capital needs.

Investment income should come at minimal risk to capital.

GUIDING PRINCIPLES

- When investing, emphasis must be placed on security first, liquidity second and overall yield third.
- Sufficient cash flow analysis and projections must be taken to ensure that maturity dates of investments meet current and future obligations as they arise
- Risk should be reduced by not limiting to one specific issuer or sector
- Investments should be liquid in nature

TARGETS

- Average rate of return on invested funds should exceed bank account rate of interest

ACCOUNTABILITIES

- Treasurer or designate to report annually with a schedule of investments and rate of return for investments maturing during the year.

OPERATING SURPLUS/DEFICIT

Municipalities may not budget an operating surplus according to Ontario legislation. Any operating surplus in a given year, should be allocated to reserves to ensure target levels are achieved. Operating deficits, if not funded from other sources within the year, become the first item of taxation in the subsequent year. Staff report quarterly to Council on the status of spending against budget. If required, staff will identify any actions that may be required to eliminate a potential deficit.

GUIDING PRINCIPLES

- Staff are expected to manage and maintain a global budget (higher than expected spending in one area is first offset by savings in another)
- Surpluses are to be allocated to reserves in accordance with the Reserve/Reserve Fund Management Policy (estimated completion Q1-2021)
- Where possible, an operating deficit should be funded by a Tax Rate Stabilization Reserve

TARGETS

- Forecast of year end results provided to Council with the third quarterly report

ACCOUNTABILITIES

- Treasurer or designate to report annually on disposition of a prior year's surplus or deficit
- Treasurer or designate to issue quarterly reports on finances

BUDGETING

Council is required to approve a balanced budget each calendar year that must be finalized and approved before final property tax bills can be issued. Included within the annual budget will be an operating budget (with assumptions identified) and a capital budget which identifies projects to be undertaken during the year, sources of funding, as well as a five-year outlook for capital requirements.

Capital and operating spending relative to budget will be reported quarterly.

GUIDING PRINCIPLES

- The budget will be presented on a functional basis with operating and capital components shown separately
- The operating budget is to be segmented by:
 - Water and Wastewater Rate Supported
 - Tax rate supported
- Input from all stakeholders, including the public, should be encouraged during the budget preparation cycle
- Respect for the taxpayer will be demonstrated through a commitment to continuous improvement and a high regard for economy, efficiency, and effectiveness
- Budgeted tax increases should be reasonable and affordable, while maintaining levels of service that Council and residents expect
- For each budget, Council will review a range of programs and services for potential improvements, reductions, efficiencies and enhancements
- Should program costs be required to be constrained, cost savings will be identified with a focus on the highest savings and least impact to service levels
- Vacant positions should undergo evaluation to determine if the position is still required or if duties and responsibilities can be covered through other methods
- Recurring expenditures are to be financed from recurring sources of revenue
- One-time, non-recurring expenditures can be funded, where necessary, through other sources where possible such as grants or reserves



TARGETS

- General levy increases (exclusive of growth) should be benchmarked for reasonability against economic indicators such as the Consumer Price Index year over year change or percentage increases stipulated under collective bargaining agreements

Other potential targets for consideration may include:

- Taxes levied (for municipal purposes) on an average valued dwelling as a percentage of average household income
- Average water and wastewater costs as a percentage of household income

ACCOUNTABILITIES

- The Treasurer or designate to report on spending relative to budget in quarterly reports
- The Treasurer or designate to report on progress of all authorized capital projects including an assessment of approximate completion
- The Senior Leadership Team to prepare a Year End Summary Report of activities and financial results

REVENUES – TAXATION

Property taxes are calculated utilizing assessment of property values provided by the Municipal Property Assessment Corporation (MPAC) on an annual basis multiplied by a rate determined for each property class in effect (e.g. residential, commercial, industrial). Property taxes levied should be sufficient to raise required revenues to support planned capital and operating expenditures net of all other revenue sources.

GUIDING PRINCIPLES

- Tax levels adequate to fund/protect the Town's:
 - Financial condition
 - Investment in infrastructure
 - On-going expenditures
 - Liabilities incurred
- Affordability should be assessed by:
 - Overall level of revenue required to finance the Town's need relative to other comparable municipalities
 - Typical costs of property taxes as a percentage of household income
- Surpluses are to be allocated to reserves in accordance with the Reserve/Reserve Fund Management Policy (estimated completion Q1-2021)
- To the extent possible, the burden of property taxes should be reduced by diversifying revenue sources such as user fees

TARGETS

- Tax increases for municipal services will be based on the requirements to maintain existing levels of services and proposed level of service changes

ACCOUNTABILITIES

- Details of changes in tax levels will be provided in property tax billings
- Special levies will be identified separately

REVENUES – NON-RECURRING

Periodically, the Federal or Provincial government may provide funding to municipalities that is for a specified or that is available only for a specified period. Similarly, a municipality may receive a financial gain when it sells an asset or experiences excess funds as a result of unique transactions or events. The nature of these nonrecurring revenues can vary significantly, but overall the municipality has little control over the amount, timing or conditions associated with receiving them. To avoid potential shortfalls which put upward pressure on property taxes and/or user fees, ongoing operational expenses should not rely on these types of revenues.

GUIDING PRINCIPLES

- Non-recurring revenues should only be used for non-recurring expenditures or to replenish any reserve or reserve fund
- The Town will not budget for non-recurring revenues except in the case where there is reasonable expectation that the revenue will be realized; in these instances, Council will be kept informed of the status of the revenue

TARGETS

- Proceeds from the sale of assets will be placed in an appropriate reserve

ACCOUNTABILITIES

- Treasurer or designate to report on non-recurring revenues received each year



RESERVE/RESERVE FUND MANAGEMENT

Reserves and reserve funds are a critical component of the Town's long-range financial planning. They can be utilized to provide stability and opportunity to level tax rates and user rates, to fund one-time or short term requirements, to replace and acquire capital assets, and provide flexibility in managing debt.

A reserve is established for a specific purpose but the funds do not relate to any particular asset and the reserve does not earn interest. Reserves are primarily established through planned contributions within the budget process or through transfer of unspent funds at year end.

A reserve fund is similar to that of a reserve, however the amounts are segregated and restricted to meet the purposes of the reserve fund. Reserve funds are designated as either obligatory or discretionary.

GUIDING PRINCIPLES

- Capital Reserves are to be used for the replacement, renewal or rehabilitation of capital assets
- Rate Stabilization Reserves are to be utilized to provide rate stability and a smoothing effect of variable or unanticipated expenditures or revenues
- Capital reserve requirements should be based on tangible capital assets, condition assessments, lifecycle costing and the Town's asset consumption ratio
- Budgets and related financial plans should identify contribution sources and projected disbursements and be reviewed annually during the budget process

TARGETS

Given the varied nature of reserves and reserve funds, establishment of new reserves should be given consideration and individual targets established.



Examples of such may include:

- Tax Rate Stabilization Reserve with a target of 10%-15% of own source revenues
- Infrastructure Capital Reserves (to provide a source of funding for purchase of large capital assets) potentially funded through taxes levied, sale of property or similar with a target of 20% of 5 Year Estimated Capital Costs

ACCOUNTABILITIES

- Treasurer or designate to annually report on status of reserves and reserve funds and future demands associated with each

CAPITAL PROJECT CONTROL POLICY

Council is required to approve an annual Capital Plan, which includes the Capital Budget and the Capital Forecast. The Capital Budget may include projects which extend over multiple years. In these instances, the annual cash flow projections for the project will be included for approval as part of the Capital Budget.

Projects will be considered capital in nature if they meet the thresholds and conditions identified within the approved Tangible Capital Assets Policy.

A status report of capital projects will be prepared to report on the status of projects. Quarterly financial variance reports will report on spending plan variances.

GUIDING PRINCIPLES

- The Capital Budget will include all capital projects eligible for funding
- Work that is not included within the approval capital budget will receive prior approval from Council; purchases must be made in accordance with the provisions of the Procurement By-law
- A Capital Project will be closed if:
 - Project completed at or under budget
 - Project deleted or deferred in order to finance a new project or to fund over-expenditures in other project or (deletions or deferrals must be approved by Council)
 - Project deleted or deferred in due to denial in anticipated funding (deletions or deferrals must be approved by Council)
 - There has been no activity for 18 months
 - There is a substantive change in the nature or scope of the project compared to what was originally approved by Council

TARGETS

- Completion of Capital Projects in accordance with Capital Plan



- For capital project spend reporting, the threshold for capital variance explanations will be the greater of 5% or \$10,000

ACCOUNTABILITIES

- Quarterly variance reports will be prepared for Council
- Staff assigned for managing capital projects must monitor progress and costs



MEMORANDUM TO COUNCIL

Meeting Date: 1/12/2021

Memo Number: 2021-CORP-003M

Presented by: Keith Gorman

Department: Corporate Services

MEMO TITLE

2021 Budget Preparations

RECOMMENDATION(S)

BE IT RESOLVED THAT Memorandum Number 2020-CORP-003M entitled “**2021 Budget Preparations**”, be received,

THAT staff prepare the 2021 operating and capital budget and capital forecast for years 2022 through 2025, and

THAT the 2021 budget timeline and considerations identified in Memo 2021-CORP-003M be used to develop the 2021 Budget for Council’s review and approval.

BACKGROUND

The Town of Kirkland Lake prepares an annual budget in accordance with section 290 of the *Municipal Act, 2001*. This report identifies timelines and general guidelines for staff in preparing the 2021 budget.

The budget process is one of the most important tasks undertaken as it not only sets the course for the year ahead, but also a path forward when considering the impact of multi-year capital projections. By extending capital forecasts into future years, the Town will have better clarity on its capital requirements and can begin to strategize how to fund the requirements.

Senior staff began preparations in the fourth quarter of 2020, with intentions of finalizing draft submissions in the first quarter of 2021 for Council’s consideration.

Communications and Information

The primary platform for information distribution will be the Municipal website, featuring a section dedicated to budget information and documentation.

In recognizing the complexity of budgeting and the broad range of services the Town is responsible for, a section entitled Budget Basics will be included to aid in understanding of steps, process and terminology.

The Town will also utilize a combination of media releases and social media postings to communicate with the public and direct the public to our website in an effort to increase engagement.

Community Engagement

In recent years, the Town has allowed for public engagement through question submission online and opportunities for delegation at public meetings.

For the 2021 budget deliberations, in line with the strategic plan, staff are proposing an opportunity to gather feedback from residents via survey. The survey is intended to help provide a better understanding of how municipal services are valued and which ones are priorities for residents. Results will be shared with Council for consideration during the review of the budget. Should facilities re-open to the public during the duration of the survey period, paper copies will also be available for pick-up and drop-off at Town Hall.

After release of the draft budget, staff are proposing a special meeting to allow for discussion and public input. If group size restrictions and other COVID-19 best practices are still in place at the time of this meeting, it will be held virtually via ZOOM.

Presentations & Deliberations

The proposed schedule is intended to allow for appropriate time to review and consider materials put forth for both Council and the public, as well as allow for appropriate time for staff to make adjustments arising from on-going deliberations and discussions.

Staff are proposing a “Budget Overview” meeting, where senior staff will present the 2021 proposed budget and have the opportunity to provide thoughts and other information to Council to aid in their detailed review.

General Guidance

The 2021 budget will be prepared on the basis of consistent levels of service with prior years. In budget materials, staff intend to identify projected changes in levels of service and associated costs, as well as anticipated initiatives required based on recent service delivery reviews and various priorities identified.

Staff will attempt to balance anticipated financial shortfalls due to the on-going pandemic, upcoming priorities and requirements the Municipality is faced with to evolve and become more efficient as an organization with the impact it has on our tax base and residents.

All efforts will be to benchmark any potential increase in the general levy (excluding growth) with reasonable economic indicators such as the year over year change in the Consumer Price Index, anticipated inflation or the negotiated increase for CUPE 26. Should staff not be successful in preparing a proposed budget in line 2020 rates (or an increase in line with these indicators), a list of key drivers will be presented, as well as possible items for consideration to reduce the potential increase.

R A T I O N A L E

The above process and suggestions align with a broad range of the strategic initiatives identified within the approved strategic plan.

A T T A C H M E N T S

Attachment 1 – General Timeline

Attachment 2 – Tentative Schedule

2021 Budget Timeline

Town of Kirkland Lake

Tasks	Purpose	Time Frame
Plan & Budget Prepare	Departmental preparation of detailed planning and budgets	Dec 2020 - Feb 2021
Internal Review	Review and revisions of budget internally by SMT	Feb - Mar 2021
Presentation - Preliminary Budget		March 2021
Deliberations and Council Review	Detailed discussions on proposed operating plan and budget	April 2021
Approval		April 2021

2021 Budget Schedule Town of Kirkland Lake

Tasks	Purpose	Date(s)
2021 Budget Page	Launch of 2021 page	18-Jan-21
Engagement - Community Survey	Gain understanding of how municipal services are valued and prioritized by residents.	Jan 18 to Jan 31, 2021
Survey Results	Release of survey results to Council	16-Feb-21
Meetings	Purpose	Date
Budget Overview	Brief presentation of 2021 Budget and Key Capital Projects	23-Mar-21
Open House*	Opportunity for discussion and public delegation on various initiatives and proposed 2021 Budget.	30-Mar-21
Budget Deliberations*	Detailed discussions on proposed capital projects, sources of funding and proposed operating plan and budget	13-Apr-21
Budget Approval	Dependent on budget deliberations; potentially Apr. 20/21 regular meeting of Council	TBD

* Special Meeting of Council



MEMORANDUM TO COUNCIL

Meeting Date: 1/12/2021

Memo Number: 2020-CLK-001M

Presented by: Meagan Elliott

Department: Corporate Services

MEMO TITLE

Police Service Board Recommendations

RECOMMENDATION(S)

BE IT RESOLVED THAT Memorandum Number 2020-CLK-001M entitled “**Police Service Board Recommendations**” be received,

THAT Council of the Corporation of the Town of Kirkland Lake adopts the recommendations to Council from the Police Services Board Meeting held December 9, 2020,

THAT staff be directed to report back to Council with costs and information on adding lighting to the trail from First St to Station Rd, and

THAT staff be directed to send a letter to MTO to review the section of Government Road West from Gold Thorpe Road to Archer Drive to reduce the speed limit.

BACKGROUND

The Police Service Board met on December 9, 2020 with items for discussion on the agenda that can be found by the link listed for Attachment 1.

RATIONALE

At the December 9, 2020 meeting, the Police Service Board passed 2 motions with recommendations to Council:

1. Associated with item 5.2 Fence Request

BE IT RESOLVED that the fence request be received, and

THAT the Police Service Board recommends to Council to discuss further for potential solutions.

CARRIED

Within the agenda link in Attachment 1 shows the fence request and staff's response. The members discussed the challenges surrounding this and the need for Council to discuss as a whole for potential solutions. A potential solution discussed was the possibility of more lighting added to this trail to assist with surveillance.

2. Associated with conversations that arose in "Additional Information"

BE IT RESOLVED that the Police Service Board recommends to Council to have staff be directed to send a letter to the MTO to review the section of Government Road West from Gold Thorpe Road to Archer Drive to reduce the speed limit.

CARRIED

Members discussed the potential need to reduce the 80 km/h zone to 60 km/h.

ATTACHMENTS

Attachment 1 -

<https://www.kirklandlake.ca/common/pages/DisplayFile.aspx?itemId=17253585>



MEMORANDUM TO COUNCIL

Meeting Date: 1/12/2021

Memo Number: 2021-CLK-002M

Presented by: Meagan Elliott

Department: Corporate Services

MEMO TITLE

Website Accessibility

RECOMMENDATION(S)

BE IT RESOLVED THAT Memorandum Number 2020-CLK-002M entitled “**Website Accessibility**” be received, and

THAT staff be directed to investigate and report back to Council third party costs for video closed captioning services.

BACKGROUND

Ontario has been working to create an accessible and inclusive province where everyone can fully participate in everyday life activities. The *Accessibility for Ontarians with Disabilities Act* (AODA) is a law that sets out a process for developing and enforcing accessibility standards. Part of these standards relate to website content. Beginning January 1, 2021 all public websites and web content posted after January 1, 2012 must meet Web Content Accessibility Guidelines (WCAG) 2.0 Level AA other than criteria 1.2.4 (live captions) and 1.2.5 (pre-recorded audio descriptions). Attachment 2 provides further detail on WCAG 2.0 Level AA.

RATIONALE

The Town of Kirkland Lake launched a new website in July 2020 to assist with accessibility requirements. The Communications Coordinator is versed in AODA requirements and continually works with staff to ensure documents uploaded are in proper format. The challenge we face with the requirements as of January 1, 2021 are for closed captioning of videos. As noted above, live video streams do not need to be captioned at this time, but the posting of the recorded video does need to be. We currently

utilize YouTube as our video platform for Council videos that has a closed captioning feature but it is not precise. Staff will need to investigate alternative solutions for posting closed captioned Council videos to be compliant.

ATTACHMENTS

Attachment 1 – AODA <https://www.ontario.ca/laws/statute/05a11?search=accessibility>

Attachment 2 – WCAG 2.0 <https://www.w3.org/TR/WCAG20/>



THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

BY-LAW NUMBER 21-001

**BEING A BY-LAW TO PROVIDE FOR INTERIM TAX LEVY AND TO PROVIDE
FOR THE PAYMENT OF TAXES AND TO PROVIDE FOR PENALTY AND
INTEREST OF 1 PERCENT PER MONTH**

WHEREAS Section 317 of The *Municipal Act*, provides that the Council of a local municipality may, in 2021 before the adoption of the estimate for the year, pass a by-law to levy on the whole of the assessment for real property according to the last revised assessment roll, a sum not to exceed that which would be produced by applying the prescribed percentage (or 50 percent if no percentage is otherwise prescribed) of the final adjusted taxes for municipal and school purposes levied on the property for the previous year, that relates to residential, farm, commercial, industrial, new construction, pipelines, railways, hydro corridors, airports and other such unique properties, and;

**NOW THEREFORE BE IT RESOLVED THAT THE COUNCIL OF THE CORPORATION
OF THE TOWN OF KIRKLAND LAKE ENACTS AS FOLLOWS:**

1. **THAT** the said interim tax levy shall become due on January 15, 2021 and payable in two installments as follows:

The remaining 50 percent of the interim levy that is subtracted from the rounded down second installment shall become payable on the 18th day of March 2021; 50 percent of the interim levy rounded down to the next whole dollar shall become payable on the 15th day of April 2021. In default of payment of the first installment of taxes or any part thereof by the named therein for the payment thereof, the remaining installment shall forthwith become payable.

2. **THAT** on all taxes of the interim levy, which are in default on the first day following the last day of payment of each installment, a penalty of 1 percent shall be added and thereafter a penalty of 1 percent per month will be added on the first day of each and every month the default continues.

3. **THAT** penalties and interest added on all taxes of the interim tax levy in default shall become due and payable and all arrears shall be collected at once by distress or otherwise under the provisions of the statutes in that behalf as if the same had originally been imposed and formed part of such unpaid interim tax levy.

4. **THAT** the Tax Collector, not later than twenty-one days prior to the date that the first installment is due shall mail or cause the same to be mailed to the residence or place of business of such person indicated on the last revised assessment roll, a written or printed notice specifying the amount of taxes payable.

5. **THAT** the Tax Collector, and Treasurer be and they are hereby authorized to accept part payment from time to time on account of any taxes due and to give a receipt for such part payment, provided that acceptance of any such payment shall not affect the collection of any percentage charges imposed and collectible in respect of non-payment of taxes or of any installment thereof.

6. **THAT** that taxes are payable at the Town of Kirkland Lake Municipal Office, Kirkland Lake, Ontario.

READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 12th DAY OF JANUARY, 2021.

Patrick Kiely, Mayor

Meagan Elliott, Clerk



THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

BY-LAW NUMBER 21-002

**BEING A BY-LAW TO SET THE MUNICIPAL WATER AND WASTEWATER
RATES FOR 2021 PRIOR TO THE ADOPTION OF A BUDGET**

WHEREAS the Municipal Act 2001, S. O. 2001 c. 25, Section 391 provides for a municipality to impose fees or charges for the consumption of Water and discharge of Wastewater,

AND WHEREAS Section 290.(1) of the Municipal Act, 2001, as amended, requires that the Municipality shall prepare and adopt a budget including estimates of all sums required during the year for municipal purposes,

AND WHEREAS the Budget will be adopted in 2021 as required by the *Municipal Act*;

NOW THEREFORE BE IT RESOLVED THAT THE COUNCIL OF THE CORPORATION OF THE TOWN OF KIRKLAND LAKE ENACTS AS FOLLOWS:

1. **THAT** the rates provided in Schedule 'A' attached hereto are to remain the same as 2020 and are hereby imposed and levied for:
 - a. water supplied to all water users from the waterworks system, and
 - b. discharge of wastewater for all users of the Kirkland Lake and Swastika Sewage Treatment Plants.
2. **THAT** the due dates in Schedule 'B' attached hereto are hereby determined to be the days on which payments are due.
3. **THAT** where payment of water and/or wastewater rates are made after the due date, an interest charge will be assessed on any outstanding balance due at the rate of 1% per month applied on the first day of each month.
4. **THAT** This By-law shall come into force and take effect on the date of passing.

READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 12th DAY OF JANUARY, 2021.

Pat Kiely, Mayor

Meagan Elliott, Clerk

Schedule A to By-Law 21-002

2021 Water & Sewer Rates

	Water	Sewer
The flat rate for water used in private houses and apartments shall be per quarter (every three months):	2021	2021
First room	\$51.04	\$40.83
Each additional room	\$9.22	\$7.38
Private toilet	\$17.40	\$13.92
Private bathtub or shower	\$17.40	\$13.92

except that where a common toilet, bathtub or shower is provided for the use of more than one apartment, each additional apartment including the first shall pay \$17.40 (water) \$13.92 (sewer) for the use of the toilet and \$17.40 (water) \$13.92 (sewer) for the use of the bathtub or shower.

The flat rate for water used in boarding or rooming houses shall be per quarter:

First room	\$51.04	\$40.83
Each additional room	\$9.22	\$7.38
Private toilet	\$43.55	\$34.84
Private bathtub or shower	\$43.55	\$34.84
Urinal	\$21.60	\$17.28

except that boarding or rooming houses with ten rooms or over shall be on a meter.

Standard hotel and beverage rooms, business houses where water is used for manufacturing, steam baths, bottling works, wash racks, public buildings excluding churches and municipal office buildings, shall be on a meter with a minimum charge of \$65.37 (water) \$52.30 (sewer) monthly.

Any business water user may apply for a meter.

BUSINESS RATES

Per Quarter

Business houses (except where used for manufacturing)	\$78.02	\$62.42
Toilet for above	\$17.76	\$14.21
Urinal for above	\$21.60	\$17.28
Office - single room	\$17.76	\$14.21
Each additional room	\$9.22	\$7.38
Toilet for above	\$17.76	\$14.21
Office for doctor of medicine or dentistry (each office)	\$43.55	\$34.84
Toilet for above	\$17.76	\$14.21
Sink for above	\$43.55	\$34.84
Barber shops, hairdressers, beauty salons	\$125.43	\$100.34
Bakeries and pastry shops	\$125.43	\$100.34
Hand laundries	\$494.15	\$395.32
Toilet for above	\$17.76	\$14.21
Public halls	\$125.43	\$100.34
Theatres	\$125.43	\$100.34
Garages and service stations	\$125.43	\$100.34
Restaurants, grills, and lunch counters	\$307.84	\$246.27
Toilet for above	\$43.55	\$34.84
Urinal for above	\$21.60	\$17.28

Per Quarter

CONSTRUCTION CHARGE	\$63.30	\$50.64
TANKERS per 1,000 gal	\$300.90	
TRAILERS- For each trailer	\$103.21	\$82.57

Interest 1% per month applied on outstanding balances

SPRINKLER CONNECTIONS

Per Month

4" Connection	\$27.53
6" Connection	\$41.28
8" Connection	\$55.04

HYDRANT RENTAL - for each Municipal Hydrant - per day	\$6.89
PRIVATE HYDRANT INSPECTION - for each hydrant per year	\$357.79
TURN OFF OR ON ORDER - each-	
(working hours, Mon - Fri 7:00am to 4:00pm)	\$110.08
TURN OFF OR ON ORDER - each (after hours)	\$282.10
SEALING OR UNSEALING - each-	\$68.81
THAWING FROZEN WATER SERVICE	
STANDARD CHARGE	

Thaw orders deemed to be the property owner's responsibility, working hours, Mon - Fri 7:00 a.m. to 4:00 p.m.	\$633.00
After hours, Actual expense, minimum charge \$633.00	

METERED SERVICE CHARGE

The metered rates for water used shall be as follows per month:	Per Month	
FIRST 50,000 gallons- per 1,000 gallons	\$6.47	\$5.18
SECOND- 50,000 gallons- per 1,000 gallons	\$5.57	\$4.46
THIRD 50,000 gallons- per 1,000 gallons	\$4.06	\$3.25
BALANCE- per 1,000 gallons	\$2.89	\$2.31
Minimum Charge: (10,000) gallons	\$65.37	\$52.30
Interest: 1% per month applied on outstanding balances		
5/8" Meter at - per month	\$3.10	
3/4" Meter at - per month	\$4.20	
1" Meter at - per month	\$5.57	
1 1/2" Meter at - per month	\$8.54	
2" Meter at - per month	\$11.15	
3" Meter at - per month	\$16.38	
4" Meter at - per month	\$21.53	
6" Meter at - per month	\$32.62	

OTHER SEWER SERVICES

1 Unblock residential sewer, working hours	\$254.14
2 Unblock other sewer, working hours (commercial)	\$378.11
3 Unblock residential sewer, after hours	\$458.69
4 Unblock other sewer, after hours (commercial)	\$508.28
5 Video Sewer Inspection, residential	\$185.96
6 Video Sewer Inspection, other (commercial)	\$371.91

Note: 1 - 6 Rates are Minimum charges, actual labour and material will be charged

Schedule B (to By-Law 21-002)

Flat Rate / Quarterly Billings

Billing Period	Due Date
Jan - Mar 2021	01-Feb-21
Apr - Jun 2021	29-Apr-21
Jul - Sept 2021	29-Jul-21
Oct - Dec 2021	28-Oct-21
Jan - Mar 2022	31-Jan-22

Monthly Billings

Billing Period	Due Date
Dec 2020	01-Feb-21
Jan 2021	25-Feb-21
Feb 2021	30-Mar-21
Mar 2021	29-Apr-21
Apr 2021	28-May-21
May 2021	29-Jun-21
Jun 2021	29-Jul-21
Jul 2021	30-Aug-21
Aug 2021	29-Sep-21
Sep 2021	28-Oct-21
Oct 2021	29-Nov-21
Nov 2021	30-Dec-21
Dec 2021	31-Jan-22



THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

BY-LAW NUMBER 21-003

BEING A BY-LAW TO AUTHORIZE THE BORROWING FOR CURRENT EXPENDITURES FOR 2021

WHEREAS Section 407(1) of the *Municipal Act, 2001*, provides authority for a municipality to borrow from time to time, such sums as the Council considers necessary to meet, until the taxes are collected and other revenues are received, the current expenditures of the Municipality for the year;

AND WHEREAS the total amount which may be borrowed from all sources at any one time to meet the current expenditures of the Municipality, except with the approval of the Local Planning Appeal Tribunal, is limited by Section 407 of the *Municipal Act, 2001*;

AND WHEREAS Section 407(3) of the *Municipal Act, 2001* states that until a budget is adopted in a year, the limits upon borrowing shall temporarily be calculated using the estimated revenues of the municipality set out in the budget adopted for the previous year;

NOW THEREFORE THE COUNCIL OF THE CORPORATION OF THE TOWN OF KIRKLAND LAKE ENACTS AS FOLLOWS:

1. **THAT** the Mayor and Treasurer are hereby authorized, on behalf of the Municipality, to borrow from time to time, by way of promissory note during the 2021 fiscal year (hereinafter referred to as the current year) from TD CANADA TRUST (hereinafter called the "Bank") a sum or sums not exceeding in the aggregate \$4,000,000.00 to meet, until taxes are collected and other revenues are received, the current expenditures of the Municipality for the current year, including the amounts required for the purposes mentioned in subsection 407(1) of the *Municipal Act, 2001* and to give on behalf of the Municipality to the Bank a promissory note or notes sealed with the Corporate Seal and signed by the Mayor and Treasurer for the sums borrowed with interest at a rate to be agreed upon from time to time with the Bank.
2. **THAT** the total amount which may be borrowed at any one time under this By-law plus any outstanding amounts of principal borrowed and accrued interest under Section 407 together with the total of any similar borrowings that have not been repaid, shall not exceed from January 1st to September 30th of the current year, 50 percent of the total estimated revenues of the Municipality as set out in the budget adopted for the current year and from October 1st to December 31st of the current year, 25 percent of the total estimated revenues of the Municipality as set out in the budget adopted for the current year or \$4,000,000.00, whichever is less.
3. **THAT** the Treasurer shall, at the time when any amount is borrowed under this By-law, ensure that the lender is or has been furnished with a certified copy of this By-law, if applicable, and a statement showing the nature and amount of the estimated revenues of the Municipality for the current year and also showing the total of any other amounts borrowed under Section 407 of the Act that have not been repaid.
4. **THAT** until the budget is adopted for the current year, the limits upon borrowing as set out in Section 2 of this By-law shall be temporarily calculated using the estimated revenues of the Municipality as set out in the budget adopted for the previous year.
5. **THAT** if the budget for the current year has not been adopted at the time an amount is borrowed under this By-law, the statement furnished under Section 3 shall show the nature and amount of the estimated revenues of the Municipality as set forth

in the budget adopted for the previous year and the nature and amount of the revenues received for and on account of the current year.

- 6. **THAT** for purposes of this By-law, the estimated revenues referred to in Sections 2, 3 4 and 5 do not include revenues derivable or derived from a) arrears of taxes, fees or charges; or b) a payment from a reserve fund of the Municipality whether or not the payment is for a capital purpose.
- 7. **THAT** all sums borrowed pursuant to the authority of this By-law, as well as all other sums borrowed in this year and in previous years from the Bank for any or all of the purposes mentioned in the said Section 407(1) shall, with interest thereon, be a charge upon the whole of the revenues of the Municipality for the current year and for all preceding years as and when such revenues are received.
- 8. **THAT** the Treasurer is hereby authorized and directed to apply in payment of all or any sums borrowed under this By-law, together with interest thereon, all or any of the monies hereafter collected or received, either on account of or realized in respect of the taxes levied for the current year and previous years or from any other source, that may lawfully be applied for such purpose.

READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 12th DAY OF JANUARY 2021.

Patrick Kiely, Mayor

Meagan Elliott, Clerk



THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

BY-LAW NUMBER 21-004

**BEING A BY-LAW TO AUTHORIZE AND EXECUTE THE COLLECTIVE AGREEMENT
BETWEEN THE CORPORATION OF THE TOWN OF KIRKLAND LAKE AND CUPE
(CANADIAN UNION OF PUBLIC EMPLOYEES) LOCAL 1074**

WHEREAS the Collective Agreement between the Corporation of the Town of Kirkland Lake and CUPE Local 1074 expired on August 31, 2020;

AND WHEREAS the parties commenced bargaining on October 20 and 21, 2020;

AND WHEREAS a tentative agreement was reached between the parties on October 21, 2020 and a Memorandum of Settlement was signed by the parties;

NOW THEREFORE THE COUNCIL OF THE CORPORATION OF THE TOWN OF KIRKLAND LAKE ENACTS AS FOLLOWS:

1. **THAT** the Director of Corporate Services is hereby authorized to execute the Collective Agreement with the CUPE Local 1074 effective September 1, 2020 to August 31, 2022, a copy of which Agreement is attached and marked as schedule "A" to this By-Law.

READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 12th DAY OF JANUARY 2021.

Patrick Kiely, Mayor

Meagan Elliott, Clerk

COLLECTIVE AGREEMENT

BETWEEN

TECK PIONEER RESIDENCE

(Hereinafter called the "Employer")

- AND -

**THE CANADIAN UNION OF PUBLIC EMPLOYEES
AND ITS LOCAL UNION 1074**

(Hereinafter called the "Union")

**Effective Date:
September 1st, 2020 to August 31st, 2022**

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ARTICLE 1 - GENERAL PURPOSE

- 1.01** The parties hereto agree that the general purpose of this Agreement is to promote a harmonious industrial relationship and to provide for orderly collective bargaining relations between the parties.

ARTICLE 2 - RECOGNITION

- 2.01** The Employer recognizes the Union as the sole and exclusive collective bargaining agent for all its employees, save and except supervisors, persons above the rank of supervisor, professional medical staff, graduate nursing staff, undergraduate nurses, graduate pharmacists, undergraduate pharmacists, graduate dieticians, student dieticians, occupational therapists, physiotherapists and office staff.

- 2.02** "Employee" as used in this Collective Agreement shall mean those persons described in the bargaining unit.

- 2.03** All correspondence between the Employer and the Union shall pass between the Administrator and the Secretary of the Union with a copy to the National Representative, unless otherwise specified in this Agreement.

2.04 **New Employees**

The Employer agrees to acquaint new employees with the fact that a Union Agreement is in effect and with the conditions of employment set out in the articles dealing with union security and dues check-off.

ARTICLE 3 - RIGHTS OF THE EMPLOYER

- 3.01** The Union agrees that the Employer has the exclusive rights to arrange the Residence including such rights as:

- a) To determine the size of the working force, the number of persons required for any and all jobs, the allocation and assignment of work to employees and to be judge of the qualifications of the employees. These rights are to be used in a fair and just manner.
- b) To maintain order, discipline and efficiency; to make, alter and amend rules of conduct and procedure for employees; to hire, discharge for just cause, classify, transfer, promote, demote, layoff, suspend or discipline employees, provided however, that any exercise of these rights to conflict with any provisions of this Agreement may be subject to a grievance as provided under the grievance procedure of this Agreement.

3.02 Supervisors shall not perform work normally performed by employees in the bargaining unit that will result in the layoff, demotion or displacement of any employees in the bargaining unit.

3.03 No employee shall be required or permitted to make any written or verbal agreement with the Employer or his representatives which may conflict with the terms of this Collective Agreement. No individual employee or group of employees shall undertake to represent the Union at meetings with the Employer without proper authorization from the Union.

3.04 No Contracting-Out

In order to provide job security for the members of the bargaining unit, the Employer agrees that all work or services performed by the employees shall not be sub-contracted, transferred, leased, assigned, or conveyed, in whole or in part, to any other plant, person, company, or non-unit employee.

ARTICLE 4 - NO DISCRIMINATION

4.01 The Employer and the Union agree that all Employees will be protected against discrimination respecting their human rights and employment in all matters including age, race, colour, religion, creed, sex, sexual orientation, pregnancy, physical disability, mental disability, illness or disease, ethnic, or national or aboriginal origin, family status, marital status, source of income, political belief, affiliation or activity, membership in a professional association, business or trade association, Employers' organization or Employees' organization, physical appearance, residence, or the association with others similarly protected or any other prohibition of the Human Rights Code.

ARTICLE 5 - STEWARDS AND GRIEVANCE COMMITTEE

5.01 The Employer acknowledges the right of the Union to appoint or otherwise select a reasonable number of Stewards to be limited to one (1) Steward for each department, namely Nursing, Housekeeping, Kitchen and Maintenance, and a Grievance Committee to be composed of three (3) of the Stewards so elected or selected. The Employer shall be advised in writing of the names of the Stewards and members of the Grievance Committee and of any changes before the Employer will recognize them.

5.02 The grievance procedure shall be carried out as far as practicable outside regular working hours so as to reduce the loss of time and wages to a minimum. Payment for time lost during working hours in connection with a grievance will be paid only in cases where the Employer calls a meeting to discuss a grievance.

5.03 If the Union believes it is necessary for an employee to take time off during working hours for the investigation of a grievance or in an attempt to settle a grievance, the employee must arrange with his immediate supervisor to be off at a time which will least interfere with the work. The employee must have a pass signed by supervisor which will indicate the amount of time lost.

5.04 Union Management Committee

A Union – Management Committee shall be established consisting of representatives of three (3) union and three (3) representatives of the employer. The committee shall enjoy the full support of both parties in the interest of improved service to the public and job security for the employees.

Function of the Committee:

The Committee shall concern itself with the following general matters:

- 1) Considering constructive criticisms of all activities so that better relations shall exist between the Employer and the employees.
- 2) Improving and extending services to the public
- 3) Promoting safety and sanitary practices.
- 4) Reviewing suggestions from employees, questions of working conditions and service (but not grievances concerned with service).
- 5) Correcting conditions causing grievances and misunderstanding.

Meetings of Committee:

The Committee shall endeavour to meet quarterly or when either party deems it necessary, at a mutually agreeable time and place. Its members shall receive a notice and agenda of the meeting at least one week in advance of the meeting. Employees shall not suffer any loss of pay for time spent with this Committee.

Chairperson of the Meeting:

An Employer and a Union representative shall be designated as joint chairperson and shall alternate in presiding over meetings.

Minutes of Meeting:

Minutes of each meeting of the Committee shall be prepared and signed by the joint chairpersons as promptly as possible after the close of the meeting. The responsibility of the minutes shall be shared alternating between Union and the Employer.

The Union, the CUPE Representative and the Employer shall each receive two (2) signed copies of the minutes within three (3) days following the meeting.

Jurisdiction of Committee:

The Committee shall not have jurisdiction over wages, or any matter of collective bargaining, including the administration of this collective agreement.

The Committee shall not supersede the activities of any other committee of the Union or of the Employer and does not have the power to bind either the Union or its members or the Employer to any decisions or conclusions reached in their discussions. The Committee shall have the power to make recommendations to the Union and the Employer with respect to its discussions and conclusions.

ARTICLE 6 - GRIEVANCE PROCEDURE

- 6.01** The parties agree that it is desirable that any complaints or grievances should be adjusted as quickly as possible. Employees may try to settle their complaints with their immediate supervisor as soon as possible after they originate, before proceeding with the formal grievance procedure.
- 6.02** Nothing in this Agreement shall be construed to limit or impair the right of any employee to present any complaint or grievance directly to his supervisor or to restrict the Employer from making settlements in respect to any such complaints or grievances, so long as the terms of such settlement do not conflict with other provisions of this Agreement.
- 6.03** Should any difference as to the meaning or violation of the provisions of this Agreement arise between the Employer and the Union or between the Employer and any employee, an earnest effort shall be made to settle such differences in the following manner:

STEP 1

Within seven (7) days after the alleged grievance has arisen, the employee, accompanied, if desired, by a Steward, may take the matter up with his supervisor. Failing satisfactory settlement within forty-eight (48) hours, the employee may proceed to Step 2.

STEP 2

Immediately following the forty-eight (48) hour period mentioned above, the employee may take the matter up with the Administrator accompanied by the Grievance Committee, and if desired, a representative of the Union. At this stage, the grievance must be in writing. Failing satisfactory settlement within seven (7) days, the grievance may proceed to arbitration within a period of fifteen (15) days.

- 6.04** Any difference arising directly between the Employer and the Union concerning the interpretation or alleged violation of this Agreement may be submitted in writing by either party to the other at Step 2.
- 6.05** It is agreed that the settlement of any grievance under this Article shall not be construed as a precedent, and shall not be binding on either party in respect to any other grievance.
- 6.06** In determining the time within which any step is to be taken under the foregoing provisions of this Article, Saturdays, Sundays and Statutory Holidays shall be excluded. Regarding timelines for grievances, day one (1) will be the day following the alleged grievance. The last day will end at 4 p.m. Any and all-time limits may be extended by agreement in writing between the Employer and the Union.
If advantage of the provisions of this Article is not taken within the time limits specified herein or as extended by mutual agreement, in writing, the matter in dispute shall be deemed to have been abandoned.
- 6.07** Grievances concerning layoffs due to a reduction in the working force shall be initiated at Step 2 of the grievance procedure.
- 6.08** The grievance procedure shall be carried out on the property of the Employer or at such other place as the parties shall mutually agree upon.
- 6.09** It is understood that the Employer has access to the grievance procedure and arbitration in the same manner and to the same extent as an employee. It is further agreed that the Employer may bring forward complaints and grievances within the terms of this Agreement.

ARTICLE 7 – HEALTH AND SAFETY

7.01

- (a) The Employer and the Union agree that they mutually desire to maintain standards of safety and health in the Home, in order to prevent injury and illness and abide by the Occupational Health and Safety Act as amended from time to time.
- (b) A Joint Health and Safety Committee (JHSC) shall be constituted in accordance with the Act, which shall identify potential dangers, recommend means of improving the health and safety programs and obtaining information from the Employer or other persons respecting the identification of hazards and standards. The committee shall meet at least every three months or more frequently if the committee decides.

The Employer agrees to accept as a member of its Joint Health and Safety Committee at least one (1) CUPE local 1074 representatives selected or appointed by the Union.

Scheduled time spent in such meetings is to be considered time worked for which representative(s) shall be paid by the Employer at his or her regular or overtime rate.

Minutes shall be taken of all meetings and copies shall be sent to the Committee members within two (2) weeks following the meeting, if possible. Minutes of the meetings shall be posted on the workplace health and safety bulletin board.

- (c) The Employer shall provide the time from work with pay and all related tuition costs and expenses necessary to certify the worker representative.

Where an inspector makes an inspection of a workplace under the powers conferred upon him or her under the Occupational Health and Safety Act, the Employer shall afford a committee member representing workers the opportunity to accompany the inspector during his or her physical inspection of a workplace, or any part or parts thereof. Where a committee member is not available, the Employer shall afford a worker selected by a Union, because of knowledge, experience and training, to represent it, the opportunity to accompany the inspector during his or her physical inspection of a workplace, or any part or parts thereof.

- (d) Two (2) representatives of the Joint Health and Safety Committee, one (1) from management and one (1) from the employees, shall make monthly inspections of the workplace and shall report to the health and safety committee the results of their inspection. The members of the Committee who represent the workers shall designate a member representing workers to inspect the workplace. Where possible that member shall be a certified member. The Employer shall provide the member with such information and assistance as the member may require for the purpose of carrying out an inspection of the workplace. Scheduled time spent in all such activities shall be considered as time worked.
- (e) The Joint Health and Safety Committee and the representatives thereof shall have access to Incident/Accident Report Form required in S.51, S.52 and S.53 of the Act and the annual summary of data from the WSIB relating to the number of work accident fatalities, the number of lost workday cases, the number of lost workdays, the number of non-fatal cases that required medical aid without lost workdays, the incidence of occupational injuries, and such other data as the WSIB may decide to disclose. It is understood and agreed that no information will be provided to the Committee which is confidential. This information shall be a standing item recorded in the minutes of each meeting.
- (f) The Union will use its best efforts to obtain the full co-operation of its membership in the compliance of all safety rules and practices.

- (g) The Employer will use its best efforts to make all affected direct care employees aware of residents who have serious infectious diseases. The nature of the disease need not be disclosed. Employees will be made aware of special procedures required of them to deal with these circumstances. The parties agree that all employees are aware of the requirement to practice universal precautions in all circumstances.
- (h) The parties further agree that suitable subjects for discussion at the Union-Management Committee and Joint Health and Safety Committee will include aggressive residents.

The Employer will review with the Joint Health and Safety Committee written policies to address the management of violent behavior. Such policies will include but not be limited to:

- i) Designing safe procedures for employees,
 - ii) Providing training appropriate to these policies,
 - iii) Reporting all incidents of workplace violence.
- (i) The Employer shall:
- (i) Inform employees of any situation relating to their work which may endanger their health and safety, as soon as it learns of the said situation,
 - i) Inform employees regarding the risks relating to their work and provide training and supervision so that employees have the skills and knowledge necessary to safely perform the work assigned to them,
 - ii) Ensure that the applicable measures and procedures prescribed in the Occupational Health and Safety Act are carried out in the workplace.
 - (j) A worker shall,
 - i) Work in compliance with the provisions of the Occupational Health and Safety Act and the regulations,
 - ii) Use or wear the equipment, protective devices or clothing that the worker's Employer requires to be used or worn,
 - iii) Report to his or her Employer or supervisor the absence of or defect in any equipment or protective device of which the worker is aware and which may endanger himself, herself or another worker, and

iv) Report to his or her Employer or supervisor any contravention of the Occupational Health and Safety Act or the regulations or the existence of any hazard of which he or she knows.

(k) Injured Workers Provisions

At the time an injury occurs, the injured worker's Employer shall provide transportation for the worker (if the worker needs it) to a hospital or a physician located within a reasonable distance or to the worker's home. The Employer shall pay for the transportation.

ARTICLE 8 – VIOLENCE IN THE WORKPLACE

8.01 The parties agree that if incidents involving aggressive client action occur, such action will be recorded and reviewed at the Occupational Health and Safety Committee. Reasonable steps within the control of the Employer will follow to address the legitimate health and safety concerns of employees presented in that forum.

It is understood that all such occurrences will be reviewed at the Resident Care Conference.

8.02 The Union may hold meetings on the Employer's premises providing permission has been first obtained from the Employer.

ARTICLE 9 - ARBITRATION

9.01 The grievance may be submitted to arbitration by either party to this Agreement within the time limits set out in Step 2 of Article 6.03. In its notice in writing to the other party, the party submitting the matter to arbitration shall supply the name of its appointee to an Arbitration Board. The recipient of the notice shall notify the other party of the name of its appointee to the Board within five (5) days. The two (2) appointees so named shall appoint a third person who shall be Chairman of the Board of Arbitration. If the two (2) appointees fail to agree upon a Chairman, within a further five (5) days, the Minister of Labour of Ontario shall appoint the Chairman. Saturdays, Sundays and Statutory Holidays shall be excluded when computing time limits.

9.02 The written record of the grievance as presented at Step 2 shall be submitted to the Board of Arbitration and the award of the Board shall be confined to the issues therein set out. It is agreed that the Board of Arbitration shall not have the authority to alter, modify or amend any part of this Agreement or to make any general changes such as in wage rates or to make recommendations inconsistent with the provisions of this Agreement.

- 9.03** Any arbitration case shall be heard in Kirkland Lake or at such other place as the parties may mutually agree upon in writing.
- 9.04** In any arbitration, the presumption shall be, until the contrary shall have been proved, that the provisions of this Agreement have been complied with.
- 9.05** The Union and the Employer shall respectively pay the expenses of their appointee. The expenses of the Chairman shall be borne in equal shares by the Union and the Employer. Witness fees and allowances shall be paid by the party calling the witnesses. No costs of arbitration shall be awarded to or against either party.
- 9.06** In determining any grievance arising out of discipline, the Board may dispose of the claim by affirming the Employer's action and dismissing the grievance or by setting aside the disciplinary action involved and restoring the grievor to his former position with or without compensation or in such a manner as may, in the opinion of the Board, be justified.

ARTICLE 10 - DISCHARGE PROCEDURE

- 10.01** When an employee is discharged or suspended, the employee and the Union shall be advised promptly in writing by the Employer as to the reason for such discharge or suspension.

If an employee be discharged and if he believes that he has been unjustifiably discharged, he may have his grievance taken up under the grievance procedure, starting at Step 2, if presented in writing within seven (7) working days after the date of his leaving the employ of the Employer and not otherwise. If it should be settled finally in his favour, he shall be reinstated and paid his wages at his regular basic rate (less amounts earned during the time lost) for the time lost since the date of discharge, limited to a maximum of forty (40) hours per week, or any other arrangements which are just and equitable in the opinion of the conferring parties. If said discharge is taken to arbitration, the Arbitrator may:

- a) sustain the discharge, or
- b) reinstate the employee with full pay for the time lost, less monies earned during the time lost and with no loss of seniority.

10.02 Whenever the Employer or a representative of the Employer deems it necessary to censure an employee in a manner indicating that dismissal may follow any repetition of the act complained of or omission referred to, or that dismissal may follow if such employee fails to bring her work up to a required standard, the Employer shall, within five (5) days thereafter, give written particulars of such censure to the President of the Union, with a copy to the employee involved.

10.03 Right to have Steward present

An employee shall have the right to have his/her Steward present where a supervisor intends to interview an employee for disciplinary purposes. The supervisor shall notify the employee in advance of the purpose of the interview. The Employer shall also notify the employee of their right to have a Union Steward present at the interview.

10.04 Reinstate the employee on any terms respecting payment of salary or non-payment of the same or loss of seniority as the Board of Arbitration in its wisdom sees fit.

ARTICLE 11 - SENIORITY

11.01 Seniority shall mean the length of an employee's continuous service with the Employer since the date of his last hiring by the Employer.

Full-time and part-time employees shall accumulate seniority in the following circumstances only:

- a) When actually at work for the Employer.
- b) When absent on vacation or holidays with pay.
- c) When absent on sick leave with pay.
- d) When off due to general leave of absence for a period of not more than thirty (30) days. Employees who are granted leave for work-related education purposes shall accumulate seniority for the full period of leave granted.
- e) When off the payroll due to sickness or accident for a period of twelve (12) months.

11.02 The seniority of an employee shall be lost if he leaves the employ of the Employer either voluntarily or as a result of discharge.

11.03 In all cases of promotion, transfer, demotion, lay-off and recall, the Employer shall consider the following two (2) factors in determining which employees are to be promoted, transferred, demoted, laid off or recalled as the case may be:

- 1) Seniority
- 2) The requirements and efficiency of the service and the ability, knowledge, training, skill and physical fitness of the individual to fill the requirements of the job.

When in the judgement of the Employer, employees who meet the requirements of factor 2), then seniority shall govern.

11.04 Two (2) seniority lists (one for full-time and one for part-time employees) will be compiled by the Employer showing the seniority date of each employee covered by this Agreement. This list shall be posted on the bulletin board on January 31 of each year. An employee may question the correctness of the date shown on the seniority list within one (1) month after it is posted, but subsequent to this period, the date shall become final.

11.05 A new full-time employee will be on probation for a period of three (3) months and shall have his name added to the full-time seniority list at the end of this period and seniority shall be from the date of hiring.

A new part-time employee will be on probation for a period of five hundred and nineteen (519) hours of employment and shall have his name added to the part-time seniority list at the end of this period and seniority shall be from the date of hiring.

There shall be no responsibility for the re-employment of a probationary employee if he is laid off or is discharged during the period of probation.

11.06 a) All vacant or newly created classifications within the scope of this Agreement shall be posted within five (5) days of vacancy occurring for a period of five (5) days during which time employees may apply for such positions. The successful applicant shall be named within five (5) days and shall fill the position no later than two (2) weeks after the successful applicant is named. The employee with the most seniority shall be given the appointment provided the employee is qualified to fill the position.

b) Any full-time classification declared vacant because of maternity leave, sickness, accident or educational leaves of absence which are greater than sixty (60) consecutive days, the Employer shall post such vacancy for a period of five (5) days during which time employees may apply to such positions.

The successful applicant shall be named within five (5) days and shall fill the position no later than twenty (20) days after being named. The employee with the most seniority shall be given the appointment provided the employee is qualified to fill the position. It is agreed that the position is of a temporary nature only and will terminate upon the return to work of the regular employee holding this position, and the successful applicant will be returned to his previous position.

- c) Once an employee has been awarded a new position through job posting, he may not apply for any further job postings for a period of sixty (60) days unless the applicant is a part-time incumbent seeking a permanent full-time position or the applicant is temporarily occupying a full-time or part-time position. The Employer agrees to send a copy of the posting and the name of the successful applicant to the Secretary of the Union.
- d) The job posting notice shall contain the following information: nature of the position, qualifications, wage or salary rate or range.

11.07 - Layoff Procedure

- a) Both parties recognize that job security should increase in proportion to length and quality of service. Therefore, in the event of a lay off, employees shall be laid off in accordance with Article 9.01 – Seniority; however, the Employer will retain sufficient employees in each classification in order to continue to provide satisfactory care for residents of the Home. Employees shall be recalled in the order of their seniority, providing they are qualified to do the work.
- b) Lay offs, under the provisions of this Collective Agreement shall include the reduction of daily or biweekly hours of any full-time or part-time employee.

No full-time employee within the bargaining unit shall be laid off by reason of his/her duties being assigned to one or more part-time employees.

- c) In the event it is necessary for the Employer to permanently shut down or end an operation or any facility or program, the employees involved and the Union will receive ninety (90) days' notice where such notice is reasonably possible.
- d) An employee in receipt of notice of layoff may;
 - Accept the layoff or
 - Opt to retire, if eligible under OMERS plan

-Displace another employee who has lesser bargaining unit seniority in the same or a lower or an identical-paying classification in the bargaining unit if the employee originally subject to layoff has the ability to meet the normal requirements of the job as described in the position description.

11.08 An employee shall lose seniority and be deemed to be terminated in the following circumstances:

- a) Dismissal for just cause.
- b) Voluntary resignation.
- c) Failing to report for work within a period of thirty (30) days after receipt of notice to report for work after a layoff.
- d) After a layoff extending for a period of eighteen (18) consecutive months.
- e) Absence due to sickness or disability which continues for more than the total of the employee's sick leave credits or twenty-four (24) months, whichever is the greater.
- f) Failure to report to work within ten (10) days after final payment of the initial award or the end of the period used in calculating a lump sum payment of Worker's Compensation for compensable disability incurred during the course of employment with the Employer.

11.09 When an employee relieves in a higher classification, he shall receive the rate for the classification in which he is assigned to relieve.

When an employee relieves in a lower classification, he shall receive the rate which he would have received in his regular classification.

- 11.10**
- a) If an employee is transferred to a position outside of the bargaining unit, he shall retain his seniority accumulated up to the date of leaving the unit but will not accumulate any further seniority. Employees transferred within or outside of the bargaining unit at the discretion of the Employer or employee, may be returned to his former position within the bargaining unit during a trial period of sixty (60) days whether the move be from within or outside of the bargaining unit.
 - b) Employees will maintain this status with the Union by continuing to pay the prescribed union dues.

ARTICLE 12 - LEAVE OF ABSENCE

12.01 All requests for any leave of absence shall be submitted in writing, in advance, to the Employer, in accordance with the following schedule:

5 Days or Less	-5 business days in advance.
Over 5 days	-10 business days in advance.

Such requests shall not be unreasonably withheld. In the event of unusual circumstances, the aforementioned minimum time limits may be disregarded. Employees should try to submit such requests as far in advance as possible.

12.02 If requested by the Union, the Employer will grant leave of absence with pay and with benefits and pension and without loss of seniority, to employees to attend Union business. Within six (6) weeks of date of invoice, the Union shall reimburse the Employer for pay and employer portion of all benefits including pension plan. Such leaves of absence shall not total more than five (5) weeks in any calendar year for any employee, including any leave granted under clause 10.01, above, and not more than two (2) employees shall be on such leave of absence at one time.

12.03 If requested by the Union, the Employer will grant leave of absence without pay for a period not exceeding twelve (12) months to an employee selected to work full-time for the Union. Such period of leave of absence shall not be deducted from the employee's seniority.

12.04 The Home agrees to recognize a Negotiation Committee comprised of four (4) representatives of the Union for the purpose of negotiating a renewal agreement. The Employer shall be advised in writing of the names of the Negotiation Committee before the Employer will recognize them. Committee members shall not suffer any loss of pay when required to leave their employment to carry on contractual negotiations with the Employer, excluding arbitration. In the event negotiations are held during a representative of the bargaining unit's regular scheduled day off, he shall be given an alternative day off with pay at a time mutually agreeable to him and the Employer, to a maximum of two (2) days per representative, excluding arbitration.

12.05 Bereavement Leave

- a) i) Full-time employees shall be granted three (3) regularly scheduled consecutive work days leave without loss of salary or wages in the case of death of a same sex partner, parent, spouse, brother, sister, child, mother-in-law, father-in-law, sister-in-law, brother-in-law, grandparent, grandchildren, step-parent, step-children, son-in-law and daughter-in-law.

- ii) Part-time employees shall be granted three (3) regularly scheduled consecutive work days leave without loss of salary or wages within the seven (7) calendar days immediately following the death of a same sex partner, parent, spouse, brother, sister, child, mother-in-law, father-in-law, sister-in-law, brother-in-law, grandparent, grandchildren, step-parent, step-children, son-in-law and daughter-in-law.
- iii) Where the burial occurs outside the Kirkland Lake area, such leave may include as well, reasonably travelling time, the latter not to exceed two (2) days.
- b) The Administrator may consider a request for an extension of a period of bereavement leave or special instances of bereavement leave. Such leave shall not be unreasonably denied.
- c) Compassionate Leave with pay shall be granted up to a maximum of 3 days off per occurrence and without loss of seniority for serious illness, in the immediate family or other serious family emergencies.

12.06 Pregnancy Leave

- a) Questions of pregnancy leave shall be determined in accordance with the terms and provisions of the *Employment Standards Act, R.S.O., 1980*, as amended from time to time.
- b) The employee's coverage for group insurance, hospital and medical care shall be continued by the Employer during such leave of absence, but if the employee fails to return to his employment as provided him, the Employer shall recover such payments in full.

12.07 Jury and Witness Duty

If the employee is required to serve as a juror in any court of law, or is required to attend as a witness in a court proceeding in which the Crown is a party, or is required by subpoena to attend a court of law or coroner's inquest in connection with a case arising from the employee's duties at the Home, the employee shall not lose regular pay because of such attendance provided that the employee:

- a) notifies the Home immediately on the employee's notification that he will be required to attend court;
- b) presents proof of service requiring the employee's attendance;

- c) deposits with the Home the full amount of compensation received excluding mileage, travelling and meal allowances and an official receipt where available.

12.08 Change to Posted Schedule

- a) A request for a change to the posted time schedule must be submitted forty-eight (48) hours in advance in writing by the employee requesting the change and co-signed by the employee willing to exchange days off or hours of duty. It is understood that such changes to the schedule or days off initiated by employees are subject to the approval of the Employer and shall not result in any overtime payment or compensation, nor be unreasonably denied.
- b) The hours and days of work of each employee shall be posted in an appropriate location at least two (2) weeks in advance.

ARTICLE 13 - HOURS OF WORK AND OVERTIME

13.01 The following paragraphs and sections are intended to define the normal hours of work and shall not be construed as a guarantee of hours of work per day, or per week, or of days of work per week.

- 13.02** 1) The regular working hours for all full-time employees, except the Nursing Staff, shall be eight (8) hours per day, exclusive of a thirty (30) minute meal period, and shall average forty (40) hours per week within a cycle not exceeding seven (7) consecutive weeks.

The regular working hours for the Nursing Staff shall be seven and one-half (7 1/2) hours per day, exclusive of a thirty (30) minute meal period and shall average thirty-seven and one-half (37 1/2) hours per week within a cycle not exceeding seven (7) consecutive weeks.

- 2) The regular working hours for all part-time employees shall be twenty-four (24) hours per week or less if the requirements of the Employer so dictate. The Employer shall endeavour to schedule regular working hours within given classifications as equally as possible among part-time employees.
- 3) Scheduling non-regular schedules shifts for full-time in less than 75 or 80 hours.
 - 1. The distribution of non-regular shifts for all departments shall be done as to top up the less than 75 and 80-hour fulltime employees firstly, then be offered to part time employees. This will occur on the working schedule prior to posting.

Distribution of non-regular shifts excluding Union LOA's, Stats and vacation that are submitted as per Article 10.01 (as per bullet 3 below) once the schedule has been posted will be offered by seniority to available part-time employees on a two (2) week basis.

2. If an employee refuses an offered shift, it shall count as a shift worked for equalization purposes only. Only the first shift refused per calendar day can be used towards the count of hours for equalization purposes.
3. Union LOA's, stats and vacation requests that are submitted as per Article 10.01 after the schedule is posted shall be offered to the less than 75 and 80-hour positions first, as long as it does not cause overtime.
4. Refusing a 7.5 or 8 hours shift as per (3) above will not result in any hours being considered refused for equalization purposes.

4) **Scheduling Part-time Employees**

Part-time hours of work will be scheduled so as to be divided equally amongst part-time employees.

Where additional shifts or additional hours of work become available beyond those mentioned above, they shall be distributed to part-time employees in order of their seniority.

13.03 Extended Tours

Extended shifts and schedules will only be introduced by mutual agreement. The Union will be responsible for polling its members to determine their support for extended shifts and schedules in accordance with the provisions of this agreement. Any agreement reached between the Employer and the Union concerning the implementation of extended tours will comply with the following provisions:

(i) **Trial Period and Evaluation**

Prior to the implementation of a trial extended shift schedule the Employer will post work schedules for the unit affected a minimum of six (6) weeks in advance so that employees affected can individually evaluate the impact of the program.

If the Employer and eighty per cent (80%) of the employees in a unit mutually agree to implementing an extended shift schedule, the changes to implement a compressed work week will be in effect for a trial period of six (6) months.

The program will be evaluated separately by the Employer and the Union participating in the program at the end of the fourth (4th) month in order to ascertain whether to continue the program beyond the initial six (6) month period.

(ii) **Continuation**

Continuation of the extended shift program after the initial trial period will be agreed to by the Employer and the Union dependent upon support for continuation of the program by eighty per cent (80%) of the employees participating in the program by secret ballot.

(iii) **Discontinuation**

The extended shift program shall be discontinued after the initial trial period at any time provided six (6) weeks' notice is given by either party of their intent to do so.

If either party wishes to discontinue, the Employer and the Union agree to meet to discuss this prior to any formal notice of the discontinuation of the extended shift agreement.

In the event an extended shift program is discontinued, the employees affected will revert back to their original shift schedules no later than 90 days from the date of the meeting.

(iv) **Hours of Work**

The normal or standard extended workday shall be 11.25 hours per day.

(v) **Lunch and Meal Periods**

On the day extended shift there will be two (2) fifteen (15) minute rest periods and two (2) thirty (30) minute meal periods. Meal and rest periods on the night extended shift will be three (3) thirty (30) minute break periods. Forty-five (45) minutes of those lunch and rest periods will be with pay and forty-five (45) minutes will be without pay.

(vi) **Overtime**

Overtime will be paid at the rate of time and one-half (1.5) for all hours of work performed following an extended shift.

Overtime will be paid for all hours worked in excess of 225 hours averaged over six weeks.

(vii) **Posting of Schedules**

Posting of schedules will be posted no less than 4 weeks in advance and each schedule shall be for a period of 6 weeks.

(viii) **Weekends Off**

Employees working extended shifts will be scheduled for no less than 2 out of four weekends off. Failure to provide no less than 2 out of four weekends off shall result in payment of overtime rates as per Article 11 for only those weekends that reduce the weekends off below 2 out of four weekends.

(ix) **Consecutive Shifts**

The Employer will issue a schedule that ensures that no more than 4 consecutive extended shifts shall be worked. Failure to provide no more than 4 consecutive extended shifts worked shall result in payment of overtime rates as per Article 11 for only those shifts that are more than 4 consecutive.

(x) **Time Off Between Shifts**

Employees shall have no less than 12 hours off between shifts.

Failure to provide 12 hours between the end of an employee's scheduled shift and the commencement of such employee's next scheduled shift shall result in payment of overtime rates as per Article 11 for only those hours which reduce the 12-hour period.

Employees changing from days to nights shall have no less than 24 hours off between shifts. Failure to provide 24 hours between the end of an employee's scheduled day shift and the commencement of such employee's next scheduled night shift shall result in payment of overtime rates as per Article 11 for only those hours which reduce the 24-hour period.

Employees changing from nights to days shall have no less than 48 hours off between shifts. Failure to provide 48 hours between the end of an employee's scheduled night shift and the commencement of such employee's next scheduled day shift shall result in payment of overtime rates as per Article 11 for only those hours which reduce the 48-hour period.

(xi) **Split Shifts**

There shall be no split shifts.

(xii) **Shift Premiums**

The Employer agrees that employees who work on a night extended shift shall be paid the shift premium in Schedule B of the collective agreement for 11.25 hours.

Employees who work as day extended shift shall be paid the shift premium in Schedule B of the collective agreement for all hours worked between 1500 hours and the end of their shift.

(xiii) **Bereavement Leave**

Employees on an extended shift schedule will be entitled to bereavement leave in accordance with Articles 10.05

(xiv) **Sick Leave**

Where employees on an extended shift schedule are absent due to illness, they will be paid for the number of scheduled hours absent in accordance with the provisions of Article 18. Weeks/days shall be converted to hours (7.5 hours x 5 days x 26 weeks = 975 hours). The elimination period will also be converted to hours. (e.g. Payments commence after 7.5 hours for the second occurrence, 15 hours after the third occurrence and 22.5 hours after the fourth and subsequent occurrences.)

(xv) **Paid Holidays**

Where employees on an extended shift schedule are required to work on a holiday as defined in Article 16.01 of the collective agreement, they will be paid at the rate of time and one half (1.5) for all hours worked on that shift.

The lieu days resulting from the statutory holiday will be converted to a bank of hours on the basis of seven and a half (7.5) hour day.

(xvi) **Vacations**

Vacations and entitlement for employees on an extended shift schedule shall be converted as follows:

Current Week Equivalent Entitlement	Working Days Off	Paid Hours
Two weeks	7	75.0
Three weeks	10	112.5
Four weeks	14	150.00
Five weeks	17	187.50
Six weeks	20	225.00

13.04 Overtime Pay for Full-Time and Part-Time Employees

Overtime pay shall be one and one-half (1 1/2) times the employee's basic rate for all time actually worked by the employee in excess of the employee's regularly scheduled hours per day or per week. The Employee shall not be required to take time off to avoid payment of overtime. Overtime worked by employees by mutual arrangement between employees and with the approval of the Employer, will not be paid for at overtime rates.

13.05 Part-time employees working longer than their scheduled shift shall be paid at the rate of time and one-half (1 ½) their regular rate of pay for all hours worked. The Employee shall not be required to take time off to avoid payment of overtime.

13.06 Call-Out Time

- a) If it is necessary to call out an employee for work after the employee has left the Residence, the employee shall be paid a minimum of four (4) hours at the employee's regular rate or time and one-half (1 ½), whichever is greater.
- b) If an employee is called in within the first hour of a shift and the employee arrives for work within thirty minutes, he or she shall be paid for that entire shift.

13.07 Employees shall be entitled to rest periods as arranged with their respective supervisors in the manner as prescribed.

- 1) Employees working not less than four (4) consecutive hours are entitled to one (1) fifteen (15) minute rest period.
- 2) Employees working not less than seven (7) consecutive hours are entitled to one (1) fifteen (15) minute rest period in the first half of that work period and one (1) fifteen (15) minute rest period in the second half of that work period.

13.08 Employees shall not be required to lay-off during regular hours to equalize any overtime worked.

13.09 If a part-time employee substitutes for or relieves a full-time kitchen employee, then such an employee shall be given the same hours of work that the full-time kitchen employee was scheduled to work.

13.10 Education

When an employee is on duty and authorized to attend any in-service program within the Home and during his regularly scheduled working hours, he shall suffer no loss in regular pay. When an employee is required by the Home to attend courses outside his regularly scheduled hours, he shall be paid for all time spent in attendance on such courses at his/her regular straight time hourly rate of pay.

13.11 When changing from daylight savings time to standard time, the employees involved shall be paid for the hours worked at their regular rate of pay and vice versa.

13.12 Reporting Pay

Employees who report for any scheduled shift will be guaranteed at least four (4) hours of work, or if no work is available, will be paid at least four (4) hours except when work is not available due to conditions beyond the control of the home. The reporting allowance outlined as herein shall not apply whenever an employee has received prior notice not to report for work.

13.13 Days Off

The full-time employees who work 75 or 80 hours shall receive one weekend off in every two-week period, which shall include Saturday and Sunday. Not applicable between December 15th to January 15th.

13.14 No split shifts.

ARTICLE 14 - BULLETIN BOARDS

14.01 The Employer shall provide bulletin boards for the use of the Union. The Union agrees that the use of the bulletin boards shall be restricted to the posting thereon only such notices that have been signed by the President or other authorized officers of the Union and have received prior approval of the Employer. The Union undertakes to keep the bulletin boards in a tidy condition by removing all outdated notices as quickly as possible.

14.02 In view of this method for the notification of employees by the Union, the Union agrees that there will be no distribution or postings of pamphlets or handbills on the premises of the Residence by the Union or its representatives or members.

ARTICLE 15 - NO STRIKES OR LOCKOUTS

15.01 In view of the orderly procedures established herein for the disposition of complaints and grievances, the Union agrees that there shall be no strike, sit-down, slow-down, and stoppage of work or any act of similar nature which would, in any way, interfere with the proper functioning of the Residence.

ARTICLE 16 - DEDUCTION OF UNION DUES

16.01 All employees eligible for membership in the bargaining unit shall, as a condition of employment, become and remain members in good standing of the Union.
As a condition of employment, all new employees shall become and remain members in good standing of the Union upon commencement of employment.

16.02 The Employer agrees to deduct the amount of the dues each pay period and remit the amount of dues to the National Secretary-Treasurer of the Union no later than 15 days following the end of the pay period in which the dues are deducted. The Union will be furnished with lists for both full and part time employees showing the names of the employees from whom the dues were deducted and the regular earnings for the pay period.

ARTICLE 17 - WAGES AND CLASSIFICATIONS

17.01 Attached hereto, as Schedule "A" and forming part of this Agreement, is a list of wage rates and classifications effective during the term of this Agreement, as indicated in Schedule "A".

17.02 The Employer agrees to pay a shift premium of (\$1.00) one dollar and per hour for employees who work the evening shift (3:00 p.m. to 11:00 p.m.) or the night shift (11 p.m. to 7:00 a.m.)

17.03 The Employer agrees to pay a weekend premium (\$0.70) seventy cents per hour for all hours worked between 12 midnight (2400 hours) Friday to 12 midnight (2400 hours) Sunday.

ARTICLE 18 – HOLIDAYS

18.01 1) All full-time employees covered by this Agreement, after three (3) months' continuous service, shall receive a regular day's pay at their regular basic rates for the following holidays if not worked:

New Year's Day	Remembrance Day
Civic Holiday	January 2nd
Canada Day	Victoria Day
Boxing Day	Thanksgiving Day
Good Friday	Christmas Day
Labour Day	Easter Monday
Two (2) floaters	Family Day

or any other day proclaimed as a holiday by the Dominion, provincial or municipal government.

2) All part-time employees covered by this Agreement, after five hundred and twenty (520) hours of accumulated service, shall receive a regular day's pay at their basic rates for the following holidays if not worked, in accordance with the *Employment Standards Act*:

New Year's Day	Labour Day
Thanksgiving Day	Dominion Day
Remembrance Day	Christmas Day
Victoria Day	Good Friday
Boxing Day	Easter Monday
January 2nd	Family Day (effective January 31, 2011)
Two (2) Floaters	

18.02 In order to be entitled to payment for holidays not worked, an employee must work his regular shifts immediately before and following any of the above-named holidays. The employee will not be paid for the holiday if he has been instructed to report for work on such holiday and has failed to do so, or if he has been granted leave of absence exceeding thirty (30) days.

18.03 a) If an employee is required to work on any of the above-mentioned holidays, the employee shall receive, in addition to pay for the holiday as set out in 16.01 (1), 16.01 (2) and 16.02 herein, one and one-half (1 1/2) the employee's regular rate per hour for all time worked on such holiday at the rate of pay for the classification the statutory vacation was earned.

b) Provided all grievances will be withdrawn of the date of execution of agreement, it is agreed that an employee who works on a holiday set out in Article 16.01 above, shall receive one and one-half (1 1/2) times his regular rate of pay for all hours worked, and shall have another day off with pay at straight time rate of pay. The hours of the employee's day off shall be equal to the hours worked on the holiday. This day off shall be agreed to mutually by the Employer and the employee and shall be taken within the succeeding twelve (12) month period. This day off may also be accumulated during the year to a maximum of seven (7) days.

18.04 It is agreed that if part-time employees work on Civic Holiday, they shall be paid at the rate of one and one-half (1 1/2) times the employee's basic hourly rate for all hours worked on such day.

ARTICLE 19 - VACATIONS WITH PAY

19.01 1) a) Part-time employees who accept a full-time position with the Employer shall receive paid vacation in that calendar year of becoming a full-time employee as per Article 17.01 (2).

b) Vacation days entitlement shall be determined by the following formula:

Annual vacation days entitlement as per grid x the actual full months of full-time employment divided by twelve (12).

- c) For the purposes of vacation entitlement, service for those employees whose status is changed from part-time to full-time, shall mean the combined services of part-time and full-time employees employed and accumulated on a continuous basis. For the purposes of this article, 1950 hours of part-time service shall equal one year of full-time service.
- 2) Full-time employees shall be entitled to vacation and payment for same in accordance with the following schedule:
- Up to four (4) years of service, ten (10) days with pay.
 - In the calendar year of the employee's fourth anniversary of full-time employment - fifteen (15) days with pay.
 - In the calendar year of the employee's tenth anniversary of full-time employment - twenty (20) days with pay.
 - In the calendar year of the employee's fifteenth anniversary of full-time employment - twenty-five (25) days with pay.
 - In the calendar year of the employee's twenty-five anniversary of full-time employment - thirty (30) days with pay.
- 3) Part-time employees shall be entitled to vacation and payment for vacation in accordance with the terms and provisions of the *Employment Standards Act, R.S.O., 1980*, as amended from time to time.

19.02 Notwithstanding Article 17.01 (3), a part-time employee shall receive vacation pay at the rate of four (4%) percent of gross earnings up to seven thousand and eight hundred (7800) hours.

19.03 Notwithstanding Article 17.01 (3), a part-time employee shall receive vacation pay at the rate of six (6%) percent of gross earnings once such employee has worked a cumulative total of seven thousand eight hundred (7800) hours.

19.04 Notwithstanding Article 17.01 (3), a part-time employee shall receive vacation pay at the rate of eight (8%) percent of gross earnings once such employee has worked a cumulative total nineteen thousand and five hundred (19,500) hours.

- 19.05** Notwithstanding Article 17.01(3), a part-time employee shall receive vacation pay at the rate of ten (10%) percent of gross earning once such employee has worked a cumulative total of twenty-nine thousand and two hundred fifty (29,250) hours.
- 19.06** Notwithstanding Article 17.01 (3), a part-time employee shall receive vacation pay at the rate of twelve (12%) percent of gross earning once such employee has worked a cumulative total of forty-eight thousand and seven hundred fifty (48,750) hours.
- 19.07** Employees shall submit all requests for their annual vacation not later than April 30th in the year that the vacation is to be taken, on a form provided by the Employer. Vacation schedules, wherever possible, shall be posted by June 1st of each year and shall not be changed without the mutual consent of the Employer and the employee so affected. Vacations, wherever possible, will be awarded based on an employee's departmental seniority, however, the Employer shall be the final judge of the vacation time. The Employer will endeavour to respond to all vacation requests within one week from date of submission.
- 19.08** An annual vacation may be carried over to the following year provided this has the approval of the Employer before the end of the year. Such vacation carry-over shall be taken in the year immediately following.
- 19.9** When any of the holidays named in Article 16 fall within an employee's vacation period, such employee shall be entitled to one (1) day's extension with pay of the employee's vacation for each such holiday.
- 19.10** Where an employee qualifies for bereavement or any other approved leave during his period of vacation, there shall be no deduction from vacation credits for such absence. The period of vacation so displaced shall either be added to the vacation period or reinstated for use at a later date, with the mutual consent of the employee and Employer.
- 19.11** The summer schedule shall be posted from July 1 to September 1.

ARTICLE 20 - SICK LEAVE, PENSION PLAN, HOSPITAL AND MEDICAL

- 20.01** All employees, other than probationary employees, shall be entitled and shall be subject to all conditions and provisions as set out in the Ontario Municipal Employees Retirement System and the Canada Pension Plan.
- 20.02**
- 1) For all full-time employees, the Employer agrees to pay one hundred (100%) percent of the total premium cost for:
 - i) Employer Health Tax

- ii) Extended Health Care Plan and semi-private coverage currently in effect for employees who have completed three (3) months' employment.
 - iii) The Corporation shall endeavour to provide \$10,000 Life Insurance to full-time employees who retire after June 30, 2005 on the same terms and conditions as is provided to retired employees of CUPE and provided such insurance is available. The Corporation shall endeavour to provide \$10,000 Life Insurance to full-time employees who retire after June 30, 2005 on the same terms and conditions as is provided to retired employees of CUPE and provided such insurance is available.
 - iv) Group Life Insurance providing two (2) times the employee's annual basic earnings.
 - v) Drug Plan (35¢ deductible)
 - vi) Vision Care premised on \$400.00 for every two years; this will include eyeglasses, contact lenses or laser surgery.
 - vii) \$125.00 maximum for every two years for eye exam.
- 2) With reference to part-time employees who have acquired seniority, the Employer agrees to pay one hundred (100%) percent of the total premium cost for:
- i) Employer Health Tax
 - ii) Extended Health Care and semi-private coverage currently in effect.
 - iii) Drug Plan (35¢ deductible).
 - iv) Vision Care premised on \$350.00 for every two years; this will include eyeglasses, contact lenses or laser surgery.
 - v) \$125.00 maximum for every two years for eye exam.
- 3) With reference to part time employees who have acquired seniority, that is, have worked 866 hours, the Employer agrees to pay for family \$18.47, and for single employees \$12.78 per month towards the total premium cost pertaining to the Dental Plan, which presently covers full time employees.

20.03 For all full-time employees, the Employer agrees to pay ninety percent (90%) of the premium cost of the Dental Plan which presently covers the non-union employees of the Employer.

20.04 Weekly Indemnity Plan and Long-Term Disability

Weekly Indemnity Plan

The following is the policy pertaining to the Salary Continuance Plan. For purposes of clarity, there are two distinct plans B Weekly Indemnity and Long-Term Disability.

Definition of Illness

Illness is simply described as the period an employee is prevented from performing his or her own occupation as a result of a non-occupational sickness or accident.

Cost

Cost of the plan will be totally funded by Teck Pioneer Residence.

Elimination Period

- (i) Sickness - Payments to commence on:
 - (a) First day of first occurrence (absence) in calendar year.
 - (b) Second day of second occurrence (absence) in calendar year.
 - (c) Third day of third occurrence (absence) in calendar year.
 - (d) Fourth day of fourth and subsequent occurrences (absence) in calendar year.
- (ii) Accident - Payments commence on first day.
- (iii) Hospitalization - Payments commence on the earlier of the date of hospitalization or the end of the sickness elimination period as in (i) above. Hospitalization shall include day surgery.

Eligibility

Any employee who is a member of CUPE and has successfully completed the probationary period as provided in Article 9.05 of the collective agreement, that is, full time - 3 months and part time B 519 hours of employment or one year of employment, whichever occurs first.

Compensation

Is provided at a percentage of normal gross weekly salary depending upon length of service as indicated in the following schedule. Normal gross weekly salary for part-time employees shall equate to two shifts per week or less.

Length of Service of Regular Rate	Weeks Paid at 100% of Regular Rate	Weeks Paid at 66 2/3%
Less than one year at December 31 st	0	26
1 year at January 1 st	1	25
2 years at January 1 st	2	24
3 years at January 1 st	4	22
4 years at January 1 st	6	20
5 years at January 1 st	8	18
6 years at January 1 st	10	16
7 years at January 1 st	12	14
8 years at January 1 st	14	12
9 years at January 1 st	16	10
10 years at January 1 st	18	8
11 years at January 1 st	20	6
12 years at January 1 st	22	4
17 years at January 1 st	24	2
20 years or more at January 1 st	26	0

NOTE: The 26-week benefit will be applicable to each occurrence.

Re-Occurring Illness

Where an employee returns to work and is absent from work within two (2) weeks of the return to work due to the same or related cause, that absence shall not be deemed to be a new occurrence, nor will there be an extension of the Weekly Indemnity Plan. However, should the medical doctor require the employee to return for periodic medical visits because of the initial illness, these days will not be deemed to be a new occurrence nor extend the Weekly Indemnity Plan.

Statutory Holidays

Any such holidays which the employee is entitled will be paid at the rate of 100% by the Employer and not any portion will be paid by the carrier.

Reporting Requirement

- (a) Within three (3) days of an occurrence or re-occurrence, the employee must submit a form TPR#173 "Weekly Indemnity Plan B Application" to his or her immediate supervisor.

- (b) In the event the illness exceeds three (3) days, the employee must submit a form, "Claim for Weekly Indemnity Benefits" which requires a doctor's statement on the reverse side of the form. This form must be presented to the employer within five (5) calendar days of the commencement of the disability.

Limitations

- (a) Benefits will not commence while an employee is on lay-off or unauthorized leave of absence.
- (b) Payments of benefits will not be made for absences whose illness or injury is covered by Workers' Compensation or Canada Pension Plan.
- (c) Payments of benefits will cease on the date of layoff or separation when the disability started within the two months preceding this date, and that notice of layoff or separation was given prior to the beginning of the disability. In all other situations relating to lay off or separation, benefits shall be paid for the lesser of the duration of the disability or 15 weeks.

Long Term Disability Plan

During the elimination period and following 24 months, an employee must be totally disabled and prevented from performing his own occupation. Thereafter, he must be prevented from performing any occupation for which he is qualified by education, training or experience.

Eligibility

All full-time employees who are members of CUPE.

Elimination Period

Entitlement to compensation under this plan will not occur until twenty-six (26) weeks have lapsed from the start of disability.

Benefit

Employees will be provided with a maximum of 66 2/3 percent (%) of their salary up to a maximum of \$4,000. monthly.

Offsets

All income received from other sources will reduce the Long-Term Disability payments.

Reporting Requirements

Reporting forms will already have been initiated under the Weekly Indemnity Plan along with any other reporting documents required by the carrier.

Administrative Considerations

1. Vacation - the following rules will be applied if an employee is disabled while on vacation:
 - a) less than 4 days - classified as vacation
 - b) more than 3 days - employee entitled to the salary continuance provisions including requirements for a medical certificate and the elimination period.
2. Statutory Holiday while on the salary continuance plan - employees who qualify for Statutory Holidays will be paid through the TPR payroll at 100%.
3. Leave of Absence
 - unauthorized - no benefits
 - authorized - if the disability extends beyond the leave of absence, the employee can go on the salary continuance plan at the end of the leave of absence.
4. Payments under the salary continuance plan - all payments under the salary continuance plan will be made through the TPR payroll. All pertinent payroll deductions and preparation of T4's will be done through the TPR payroll.
In the event of a delay in the decision from the carrier, TPR will advance the approximate amount of the disability payment to the employee for two pay periods pending receipt of the adjudication decision from the carrier.
5. OMERS Contributions - it will be TPR policy to make the appropriate deductions for OMERS from the employee for the first month of disability. If the disability extends beyond one month the employee must elect to contribute to OMERS during the elimination period as defined by OMERS.
6. WSIB - as defined in the plan, occupational related sickness or accident is not covered by the salary continuance plan.
 - Teck Pioneer Residence will not top-up the WSIB payment to the employee.

- Teck Pioneer Residence will advance the estimated amount of compensation to the employee for two pay periods pending receipt of WSIB cheque. Prior to the release of any advance from TPR, the employee will be required to sign:

1. an assignment of WSIB cheques for two (2) pay periods.
2. an assignment to TPR in case the WSIB claim is disallowed.

The employee must elect to contribute to OMERS during the elimination period. If the employee does not notify TPR regarding this election, it will be assumed the employee does not wish to contribute to OMERS.

7. **Re-occurrence clause**

If the employee has been disabled and returns to work and the medical doctor has advised the employee to return for periodic medical visits because of the initial disability, these days will not be deemed to be a new occurrence nor extend the 26-week benefit period.

8. **Regular Rate of Pay**

Defined as basic salary as set out in the appropriate pay grid. The regular rate of pay used for the salary continuance plan is that one in effect at the date of disability. An employee is not entitled to any pay increases or retroactive pay increases unless the effective date is prior to the date of disability.

9. The Long-Term Disability Plan will contain an inflation factor.
10. The guidelines of the plan will coincide with the start and end of a calendar year.

20.05 The Corporation will continue to pay its share of all premiums of benefits as per Local 1074's Collective Agreement to employees who retire on an early OMERS pension, between the ages of 55 and 65.

Payment will be from the date of retirement to age 65. It is understood that should a former employee or their spouse become employed by any one from whom they are entitled to receive a benefit plan as a part of their employment package, they will automatically forfeit any right to enrolment in the Corporation of the Town of Kirkland Lake Benefit Plans.

The retired employee must have a minimum of ten (10) years' continuous employment with the Corporation at the time of his/her retirement. Benefit coverage terminates in the event of the death of the retired employee where death precedes the employee's 65th birthday.

20.06 Modified Work

Full time employees may be granted transfers within the same classification to accommodate a shorter workweek on the written advice of a physician. Such a transfer will not exceed three (3) continuous months in length. Two (2) weeks prior to the end of the period of transfer the employee must indicate whether or not she will resume her regular full-time duties. The Employer, at his discretion, may extend the transfer period upon receipt of written advice from the employee's physician.

The employee on transfer will be guaranteed an average of three (3) shifts per week unless otherwise specified by the physician. No employee shall have more than one such transfer in any two (2) year period. The Employer will endeavour to distribute the remaining shifts arising out of this Article to the part time employees within the same classification.

20.07 Uniform Allowance

A uniform allowance of \$130.00 will be provided to all employees in the calendar year.

ARTICLE 21 - CHARGES FOR MEALS AND LAUNDRY

21.01 The meal charge shall be four (\$4.00) dollars. There shall be no charge for laundry.

21.02 The Employer agrees that where uniforms are damaged or torn, such uniforms shall be repaired or replaced providing the employee reports same to his supervisor immediately.

21.03 The Employer shall launder all uniforms required to be worn on duty. Employees shall be supplied with rubber boots, gloves and aprons as required.

ARTICLE 22 - MISCELLANEOUS

22.01 Wherever the singular or masculine is used in this Agreement, it shall be considered as if the plural or feminine has been used where the context of the party or parties hereto so require.

22.02 Retroactive pay to all employees present and past will be issued within 45 days of the ratification of the memorandum of agreement by both parties.

ARTICLE 23 - GENERAL

23.01 An employee who is injured during working hours and is required to leave for treatment or is sent home, for such injury, shall receive payment for the remainder of the shift at his regular rate of pay without deduction from sick leave unless a doctor or nurse states that the employee is fit for further work on that shift subject to the provisions of the *Workplace Safety and Insurance Act*.

23.02 All employees are required to notify the payroll clerk of change of address, change of telephone number, change in marital status and change of dependents within thirty (30) days of such change. If an employee fails to do this, the Employer will not be responsible for failure of any notice to reach such employee.

23.03 1) **Personnel File**

Upon reasonable notice and on written request, an employee may view his personnel file in the personnel office on one occasion per year.

2) **Removal of Discipline**

All warnings and disciplinary notations shall be removed from an employee's file after eighteen (18) months, except in the case of discipline for client abuse or sexual misconduct involving another employee, provided that the employee has been discipline free for the period.

23.04 **Surveillance Cameras:**

a) Surveillance cameras and related equipment may be installed by the Employer to protect critical areas of the Employer's premises from theft, and/or to enhance the personal safety of members of Teck Pioneer Residence.

b) Surveillance cameras and related equipment shall not be used in employee occupied areas during normal working hours without the knowledge of the employees in the area.

c) The Employer shall not use surveillance cameras to monitor the work of employees.

d) No information obtained through the use of surveillance cameras may be used against employees unless the information constitutes evidence of misconduct.

ARTICLE 24 - LAYOFF NOTICE

24.01 In the event it is necessary for the Employer to permanently shut down or end an operation or any facility or program, the employees involved and the Union will receive ninety (90) days notice where such notice is reasonably possible.

ARTICLE 25 - TERMINATION

25.01 This Agreement shall become effective September 1st, 2020 and shall remain in effect up to and including August 31st, 2022 and shall automatically be renewed thereafter for successive periods of twelve (12) months unless either party requests negotiation of a new Agreement by giving written notice to the other party not less than thirty (30) calendar days and not more than ninety (90) calendar days prior to August 31st, 2022 or subsequent anniversary dates.

IN WITNESS WHEREOF each of the parties hereto has caused this Agreement to be signed by its duly authorized representatives as of the day and year first above written.

Dated this 7 day of December, 2020.

FOR TECK PIONEER RESIDENCE

K. J. J.
Keith Brown
Danay Hooch

FOR THE CANADIAN UNION OF PUBLIC EMPLOYEES LOCAL 1074

Celine Fran
Angie Dueharme
Celine Knaul
Sheryl Wilson
Robinson

Nc/cope 491

LETTER OF UNDERSTANDING

Between:

TECK PIONEER RESIDENCE

(The "Home".)

AND

**THE CANADIAN UNION OF PUBLIC EMPLOYEES AND
ITS LOCAL UNION 1074**

(Hereinafter called the "Union")

RE: HELPING HANDS

WHEREAS the parties are desirous to trial the use helping hands employees.

And whereas the parties enter into this agreement voluntarily and without prejudice and precedent.

And whereas the parties developed the attached job description for this group.

And whereas this Letter of Understanding will be subject to review on or about March 31, 2021 for continuation, with or without modification.

And whereas the parties recognize that this LOU and the Helping Hands position is being implemented solely to assist in the recruitment of staffing who are in the process of becoming workers in the health care sector.

Therefore, the parties agree as follows:

1. The creation of part time helping hands position. Preference will be given to students in the health care field.
2. The start wage will be \$17.00 and then commence as the classification as per Schedule A- rate according to the collective agreement.

3. Probation will be extended until the employee in the helping hands position successfully finishes the health care program they are registered in at which time the employee will leave the Helping Hands position and either accept any offer that is made for a position as a PSW, RPN, Life Enrichment, at the Home or cease to be an employee of the Home.
4. Call-in process will not exist for this position unless there are two or more candidates working in this position and the Director of Care or designate has determined there is a need for the Helping Hand replacement. If a call in is required, the call in will be by seniority from the pool of Helping Hands employees.
5. The Parties agree to meet every three months to review this agreement.

Dated this 7 day of December, 2020.

FOR TECK PIONEER RESIDENCE

Alf Young
Keith Brown
Nancy Hoach

**FOR THE CANADIAN UNION OF
PUBLIC EMPLOYEES LOCAL 1074**

Colme Prior
Angie Ducharme
Claudia Renaud
Sherif Wilson
Robomard

SCHEDULE "A"

WAGES AND CLASSIFICATIONS

EFFECTIVE SEPTEMBER 1, 2020 – 1.5%

Full-Time Employees	Start	6 months	12 months	16 months
Part-Time Employees	Start	1040 hrs	2080 hrs	2773 hrs
First Cook	\$23.74	\$24.06	\$24.40	\$24.77
Second Cook	\$23.10	\$23.36	\$23.74	\$24.02
Third Cook	\$20.96	\$21.47	\$21.87	\$22.31
Kitchen, Laundry, Housekeeping	\$21.51	\$21.80	\$22.09	\$22.31
RPN	\$27.45	\$28.15	\$28.83	\$29.31
BSO	\$27.45	\$28.15	\$28.83	\$29.31
RAI Coordinator	\$27.45	\$28.15	\$28.83	\$29.31
H.C.A./PSW	\$21.77	\$22.17	\$22.57	\$22.91
Life Enrichment Assistant	\$21.22	\$21.57	\$21.96	\$22.32
Lead Hand Housekeeper	\$24.00	\$24.24	\$24.57	\$24.73
RCA	\$25.93	\$26.21	\$27.16	\$27.61
Nurses' Aide	\$21.08	\$21.56	\$21.90	\$22.31
Maintenance	\$21.04	\$21.14	\$21.90	\$22.31

SCHEDULE "A"

WAGES AND CLASSIFICATIONS

EFFECTIVE SEPTEMBER 1, 2021 – 1.75 %

Full-Time Employees	Start	6 months	12 months	16 months
Part-Time Employees	Start	1040 hrs	2080 hrs	2773 hrs
First Cook	\$24.16	\$24.49	\$24.83	\$25.21
Second Cook	\$23.51	\$23.77	\$24.16	\$24.44
Third Cook	\$21.33	\$21.85	\$22.26	\$22.70
Kitchen,Laundry, Housekeeping	\$21.89	\$22.19	\$22.48	\$22.70
RPN	\$27.93	\$28.65	\$29.34	\$29.83
BSO	\$27.93	\$28.65	\$29.34	\$29.83
RAI Coordinator	\$27.93	\$28.65	\$29.34	\$29.83
H.C.A./PSW	\$22.15	\$22.56	\$22.97	\$23.31
Life Enrichment Assistant	\$21.60	\$21.95	\$22.35	\$22.71
Lead Hand Housekeeper	\$24.42	\$24.67	\$25.00	\$25.17
RCA	\$26.39	\$26.67	\$27.64	\$28.10
Nurses' Aide	\$21.45	\$21.94	\$22.29	\$22.70
Maintenance	\$21.41	\$21.51	\$22.29	\$22.70

- 1)
 - i) It is agreed that service pay shall be allowed each full-time employee on the following basis: Each employee will be paid five (\$5.00) dollars per month for every five (5) years completed continuous service. This shall be paid on December 15th.
 - ii) It is agreed that service pay shall be allowed each part-time employee on the following basis: Each employee shall be paid sixty (\$60.00) dollars annually for every ten thousand, four hundred (10,400) hours of completed accumulated service. This shall be paid on December 15th or the day nearest thereto.
- 2) The Employer shall make every effort to provide that every employee shall have at least Christmas Day or New Year's Day off.
- 3) Failure to provide at least ten (10) hours' rest between shifts which are being changed, shall result in payment of overtime at established rates for any hours worked during such rest period. This would not apply to regular scheduled shifts.

Dated this 7 day of December, 2020.

FOR TECK PIONEER RESIDENCE

K. Young
Keith Young
Nancy Leach

**FOR THE CANADIAN UNION OF
PUBLIC EMPLOYEES LOCAL 1074**

Celine Poirer
Colleen Kneale
Angie Ducharme
Sheryl Wilson
Roberta

Nc/cope 491



THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

BY-LAW NUMBER 21-005

BEING A BY-LAW TO AUTHORIZE THE MAYOR AND CLERK TO EXECUTE AN AGREEMENT WITH ONTARIO FEDERATION OF SNOWMOBILE CLUBS

WHEREAS The Corporation of the Town of Kirkland Lake is the owner of Mining Claims L40015, L40016, L47188, 76697 and L12982 in the Township of Teck;

AND WHEREAS The Ontario Federation of Snowmobile Clubs will be expanding the existing snowmobile trail over parts of Mining Claims L40015, L40016, L47188, 76697 and L12982;

AND WHEREAS The Ontario Federation of Snowmobile clubs requires access to the property to undertake various maintenance activities;

AND WHEREAS in order to carry out these activities, The Ontario Federation of Snowmobile Clubs requested a Land Use Permission be signed by the Town of Kirkland Lake;

AND WHEREAS the Town of Kirkland Lake is desirous to enter into an agreement with The Ontario Federation of Snowmobile Clubs;

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 the Ontario Federation of Snowmobile Clubs, for the use of lands on the property as outlines in the agreement, a copy of which is attached as Schedule 'A';

READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 12th DAY OF JANUARY, 2021.

Patrick Kiely, Mayor

Meagan Elliott, Clerk

INDEMNITY AND HOLD HARMLESS AGREEMENT

THIS AGREEMENT made this day of , 2020

B E T W E E N:

TOWN OF KIRKLAND LAKE
(hereinafter called the "Town")

OF THE FIRST PART

- and -

ONTARIO FEDERATION OF SNOWMOBILE CLUBS,
GOLDEN CORRIDOR SNOWDRIFTERS
(hereinafter called "OFSC")

OF THE SECOND PART

WHEREAS the Town owns the land identified as MC L40015, L40016, L47188, L12982 & 76697, known as the "Property";

WHEREAS the Town has received a request from OFSC to enter, establish, groom, maintain, sign and use a portion of the Property for the purposes of a snowmobile trail, known as the "Work";

WHEREAS OFSC has requested the town to sign a memorandum of understand for land use permission;

AND WHEREAS the Town intends to grant OFSC's request subject to the terms of this agreement.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which
are hereby acknowledged, the parties agree to the following:

1. OFSC enters into this agreement freely and voluntarily having fully read and understood its terms. OFSC assumes the risk of entering onto the Property and undertaking the Work thereon. OFSC waives any and all claims or defenses based upon failure of consideration and inadequacy of consideration and stipulates that the consideration given for this agreement is adequate.

2. OFSC shall indemnify and hold harmless the Town, its servants, agents, employees, and representatives from all claims, demands, causes of action, damages, costs, expenses, recoveries and judgments of any nature and descriptions brought against the Town for or by reason of the entry onto or undertaking the Work on the Property by OFSC or those for whom OFSC is legally liable including, but not necessarily limited to, OFSC's subcontractors, employees, representatives or agents. This indemnification shall survive the expiry or termination of this agreement.
3. OFSC shall take out and keep in force until the expiry or termination of this agreement the following insurance coverage:
 - a. Comprehensive general liability and automobile insurance (owned and non-owned) acceptable to the Town providing insurance coverage respectively of not less than TEN MILLION DOLLARS per claim/occurrence against bodily injury or loss or damage to the Property. Such insurance shall name the Town as an additional insured/loss payee.
 - b. The above-noted insurance shall state it will be the primary and will not require pro rata sharing of any loss by the Town's insurers.
 - c. Certificates of insurance evidencing the above-noted insurance must be attached to this agreement as addenda prior to OFSC commencing the Work.

It is understood and agreed that the taking or and keeping in force the above-noted insurance shall not relieve OFSC of its obligation to indemnify and hold the Town harmless under clause 3 of this agreement regardless of whether the subject amount(s) exceed the coverage provided by the above-noted insurance.

4. OFSC shall require all OFSC's subcontractors who may enter onto or undertake the Work on the Property to obtain, maintain and keep in force during the currency of this agreement insurance policies with the same coverage limits as those set out in clause 3 of this agreement. If requested by the Town, OFSC agrees to promptly provide the Town with certificates or adequate proof of such insurance.
5. Each party shall promptly notify the other should they become party become aware of matter that may is reasonably expected to expose the other party to any liability related to the entry onto or undertaking the Work on the Property as contemplated by this agreement.
6. Before the expiry or termination of this agreement the Town shall at all times have access to the Property for all reasonable purposes and nothing in this agreement shall be construed as granting OFSC or any other person or entity an exclusive right to occupy the Property to the Town's exclusion.
7. This agreement shall continue until terminated or the Work successfully concluded.
8. This agreement shall terminate immediately should OFSC fail to comply with any of its terms or by a party giving (5) business days prior written notice to the other party.

9. Upon conclusion of the Work or upon termination of this agreement, OFSC shall restore the Property to its original condition to the Town's satisfaction and be responsible for all costs associated with such restoration.
10. This agreement shall be binding upon the parties hereto and their respective estate trustees, beneficiaries, heirs and successors.
11. This agreement shall not be assignable by the OFSC without the Town's prior written approval.
12. This agreement constitutes the entire agreement between the parties and no understanding or agreements, oral or otherwise, exist between the parties with respect to the matters herein.
13. This agreement shall be governed by the laws of the Province of Ontario, Canada.
14. This agreement may be executed in several counterparts, each of which so executed shall be deemed to be an original, and such counterparts together shall be but one and the same instrument.
15. This agreement may be transmitted electronically and that the reproduction of signatures electronically will be treated as binding as if originals and each party hereto undertakes to provide each and every other party hereto with a copy of this agreement bearing original signatures forthwith upon demand.
16. If any part of this agreement is determined unenforceable or invalid for any reason whatsoever that unenforceability or invalidity shall not affect the enforceability or validity of the remaining portions of this agreement, and such unenforceable or invalid portion shall be severed from the remainder of this agreement.
17. The Town's failure to insist upon the strict performance of the terms and conditions hereof shall not constitute or be construed as a waiver or relinquishment or the Town's rights to thereafter enforce the same in accordance with this agreement in the event of a continuing or subsequent default on the part of OFSC.

[Signature Page Follows]

IN WITNESS WHEREOF, the parties hereto have executed this agreement, effective as of the day and year first above written.

OFSC, Golden Corridor Snowdrifters

Per:
I have the authority to bind the corporation

Town of Kirkland Lake

Per:
I have the authority to bind the corporation



THE CORPORATION OF THE TOWN OF KIRKLAND LAKE

BY-LAW NUMBER 21-006

**BEING A BY-LAW TO CONFIRM THE PROCEEDINGS OF COUNCIL AT ITS
REGULAR MEETING HELD JANUARY 12, 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 **THAT** 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 **THAT** 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 **THAT** 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 **THAT** 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 12th DAY
OF JANUARY, 2021.**

Pat Kiely, Mayor

Meagan Elliott, Clerk