



File: 19500-45/A20193 CP 41

March 29, 1999

**REGISTERED**

Atco Lumber Ltd.  
Box 369  
Fruitvale, B.C.  
V0G 1L0

Dear Sir or Madam:

**Re: Forest Licence A20193 Cutting Permit 41**

Herewith attached is Cutting Permit 41 for Forest Licence A20193.

Proposed changes must be formally submitted through the District Manager and must be approved in writing. Operations on the cutting permit area not covered by an approved cutting plan may be considered as in trespass and dealt with accordingly.

Attached also are approved Silviculture Prescriptions. Operations must be conducted in accordance with the approved Silviculture Prescriptions.

Please note, upon approval of new SPs, and area amendments to existing SPs, a MLSIS Form A is to be submitted within ten (10) days of the above date.

Under Section 14(4)(a) of the Operational Planning Regulation, I hereby exempt Atco Lumber Ltd. from carrying out a new watershed assessment procedure for Glade watershed.

In accordance with Section 43 (1) of the *Forest Practices Code of British Columbia Act* this letter constitutes my approval for a minor amendment to your Forest Development Plan and should be attached thereto.

.../2

Ministry of  
Forests



Arrow Forest District

Address:  
845 Columbia Avenue  
Castlegar, British Columbia V1N 1H3

Telephone: (250) 365-8600  
Facsimile: (250) 365-8568

Atco Lumber Ltd.  
File: 19500-45/A20193 CP 41  
Page 2  
March 29, 1999

This letter and attached map forms an integral part of Cutting Permit 41 of Forest Licence A20193 and should be attached thereto.

Yours truly,



Brian Simpson  
District Manager  
Arrow Forest District

Enclosure

cc: T. Pearson, C & E Tech., Arrow Forest District  
cc: G. Edney, Tenures Officer, Arrow Forest District



**FOREST LICENCE NO. A20193**  
**CUTTING PERMIT NO. 41**



PURSUANT TO paragraph 7.05 of Forest Licence No. A20193 (the "Licence"), this Cutting Permit is issued to:

**Atco Lumber Ltd.**

**Box 369**

**Fruitvale, B.C.**

**V0G 1L0**

(the "Licensee")

**1.00 PERMIT AREA AND TERM**

- 1.01 Subject to the Licence and the Acts, regulations and standards referred to in paragraph 8.01 of the Licence, the Licensee is authorized to harvest timber from the areas of Crown land designated for harvest on the map attached as Exhibit "A" to this Cutting Permit.
- 1.02 Subject to paragraph 1.03, the term of this Cutting Permit is one (1) year, beginning on March 1, 1999, and ending on February 29, 2000.
- 1.03 As provided in paragraph 7.15 of the Licence, the District Manager, in a notice given to the Licensee, may
  - (a) extend the term of a cutting permit, and
  - (b) if he or she does so, amend this Cutting Permit to the extent necessary to ensure it is consistent with the forest development plan in effect at the time this Cutting Permit is extended.

**2.00 SPECIAL CONDITIONS AND REQUIREMENTS**

- 2.01 The Licensee must comply with the conditions and requirements set out in Schedule "A" to this Cutting Permit.

**3.00 FELLING, BUCKING AND UTILIZATION SPECIFICATIONS**

- 3.01 Subject to paragraph 3.04, the Licensee must
  - (a) fell standing timber of the species specified in Schedule "B" to this Cutting Permit, in accordance with the felling specifications set out in that Schedule,

- (b) buck felled and dead-and-down timber of the species referred to in paragraph (a) in accordance with the bucking specifications set out in Schedule "B" to this Cutting Permit, and
  - (c) utilize all timber of the species and grades specified as obligatory utilization in Schedule "B" to this Cutting Permit if the timber meets the utilization specifications set out in that Schedule.
- 3.02 Schedule "B" to this Cutting Permit may include a requirement that the Licensee fell other timber in addition to the timber referred to in paragraph 3.01(a), in which case, subject to paragraph 3.04, the Licensee must fell but need not utilize such timber.
- 3.03 Subject to paragraph 3.04, the Licensee may utilize
- (a) timber of the species and grades specified as optional utilization in Schedule "B" to this Cutting Permit, and
  - (b) timber referred to in paragraph 3.02.
- 3.04 The Licensee must not fell standing timber, or must not buck or utilize felled or dead-and-down timber, as the case may be, if
- (a) the timber is specified as reserved timber in Schedule "B" to this Cutting Permit, or
  - (b) under an operational plan or the Acts, regulations or standards referred to in paragraph 8.01 of the Licence, the Licensee is required not to fell the timber, or not to buck or utilize the timber, for any reason, including silviculture, biodiversity or other forest management reasons.

#### **4.00 TIMBER MARK**

- 4.01 The timber mark(s) for this Cutting Permit is/are:
- FB1  
041
- 4.02 If directed to do so by the District Manager, the Licensee must erect signs at all exits from the areas of Crown land referred to in paragraph 1.01, clearly showing the timber mark(s) referred to in paragraph 5.01.

#### **5.00 SCALE-BASED STUMPAGE**

- 5.01 For the purpose of determining the amount of stumpage payable in respect of timber harvested from the areas of Crown land referred to in paragraph 1.01, the volume or quantity of timber harvested will be determined using information provided in a scale of the timber.
- 5.02 The Licensee must ensure that

- (a) all timber harvested from the areas of Crown land referred to in paragraph 1.01 is scaled, and
- (b) the scale of the timber is conducted properly in accordance with the requirements of the *Forest Act* and the regulations made under that Act.


#### 6.00 ROADS

- 6.01 Subject to the Licence and the Acts, regulations and standards referred to in paragraph 8.01 of the Licence, the Licensee may construct or modify roads under the authority of this Cutting Permit on areas of Crown land referred to in paragraph 1.01 if the roads are
- (a) wholly contained within a cutblock identified on a forest development plan, and
  - (b) not identified on a forest development plan as providing access to more than one cutblock.

#### 7.00 MISCELLANEOUS

- 7.01 The Exhibit and the Schedules to this Cutting Permit are deemed to be part of this Cutting Permit.
- 7.02 As provided in paragraph 7.14 of the Licence, this Cutting Permit is deemed to be part of the Licence.
- 7.03 The Licence will govern the interpretation of this Cutting Permit.

DATED March 29, 1999

  
.....  
Brian Simpson  
District Manager  
Arrow Forest District

## **SCHEDULE "A"**

### **SPECIAL CONDITIONS AND REQUIREMENTS**

- 1.00** This cutting permit is issued subject to approved silviculture prescriptions for the area. All operations shall be conducted in accordance with the approved silviculture prescriptions, and any deviation from said prescriptions must be submitted and approved as an amendment to the approved prescription.
- 2.00** Prior to the commencement of the actual operations on the area, the Licensee shall conduct a pre-work conference on site to the satisfaction of the Forest Officer/Designated Forest Official in charge. Upon completion of logging operations, prior to removal of logging equipment and after all contractual obligations have been completed, the Licensee shall conduct a post-work conference on site to the satisfaction of the Forest Officer/Designated Forest Official in charge.
- 3.00** Where there is an approved prescription prepared by a professional engineer or a professional geoscientist, all works must be conducted in accordance with said prescription, and where so specified, the resulting works certified by a professional engineer or professional geoscientist as being in general conformance with the approved prescription.
- 4.00** The Licensee shall remove all logging equipment and fixtures on an area of land referred to in paragraph 1.01 of the Licence and shall leave all areas in an orderly and sanitary condition upon the earlier of completion of operations or termination of the Licence.
- 5.00** The Licensee shall, concurrently with harvesting operations, leave all areas in an orderly and sanitary condition.
- 6.00** The Licensee must not erect or operate a sawmill or wood processing plant on an area of land referred to in paragraph 1.01 of this Licence.
- 7.00** The rights granted under this Licence are subject to other rights of use and occupation granted by the Crown, described in paragraph 1.01, and the Licensee must not interfere with exercise of those rights.

## **SCHEDULE "B" - INTERIOR**

### **FELLING, BUCKING AND UTILIZATION SPECIFICATIONS**

#### **1.00 FELLING SPECIFICATIONS**

- 1.01 Subject to paragraph 1.02, standing timber of the species shown on the table attached to this Schedule must be felled in accordance with the following specifications:
- (a) all timber meeting the minimum diameter at stump height shown for that species in the table attached to this Schedule must be felled; and
  - (b) unless otherwise authorized in writing by the District Manager, timber must be felled to a stump height that does not exceed the maximum stump height shown for that species in the table attached to this Schedule.
- 1.02 The Licensee must not fell standing timber if
- (a) the timber is specified in Part 6.00 as reserved timber, or
  - (b) under an operational plan or the Acts, regulations or standards referred to in paragraph 8.01 of the Licence, the Licensee is required not to fell the timber for any reason, including silviculture, biodiversity or other forest management reasons.

#### **2.00 BUCKING SPECIFICATIONS**

- 2.01 Subject to paragraph 2.02, felled and dead-and-down timber of the species referred to in paragraph 1.01 must be bucked so as to maximize the volume of logs and slabs which
- (a) meet the utilization specifications referred to in paragraph 3.01, and
  - (b) are of the species and grades specified as obligatory utilization under Part 4.00.
- 2.02 The Licensee must not buck felled or dead-and-down timber if
- (a) the timber is specified in Part 6.00 as reserved timber, or
  - (b) under an operational plan or the Acts, regulations or standards referred to in paragraph 8.01 of the Licence, the Licensee is required not to buck the timber for any reason, including silviculture, biodiversity or other forest management reasons.

### 3.00 UTILIZATION SPECIFICATIONS

- 3.01 Subject to paragraphs 3.02 and 3.03, the following utilization specifications apply to timber authorized for harvest under this Cutting Permit:
- (a) all butt logs meeting
    - (i) the minimum diameter at stump height,
    - (ii) the minimum log length, and
    - (iii) the minimum top diametershown for that species in the table attached to this Schedule must be utilized; and
  - (b) all top logs meeting
    - (i) the minimum log length, and
    - (ii) the minimum top diametershown for that species in the table attached to this Schedule must be utilized;
  - (c) all slabs meeting
    - (i) the minimum slab length, and
    - (ii) the minimum slab thicknessshown for that species in the table attached to this Schedule must be utilized.
- 3.02 The Licensee need not utilize timber of the species and grades specified in Part 5.00 as optional utilization.
- 3.03 The Licensee must not utilize timber if
- (a) the timber is specified in Part 6.00 as reserved timber, or
  - (b) under an operational plan or the Acts, regulations or standards referred to in paragraph 8.01 of the Licence, the Licensee is required not to utilize the timber for any reason, including silviculture, biodiversity or other forest management reasons.

### 4.00 OBLIGATORY UTILIZATION

- 4.01 Timber of the following species and grades is specified as obligatory utilization:
- (a) all coniferous species that are
    - (i) Sawlog Grade (Grade Code Blank), or
    - (ii) Dead and Dry Sawlog (Grade Code 3).

### 5.00 OPTIONAL UTILIZATION

- 5.01 Timber of the following species and grades is specified as optional utilization:



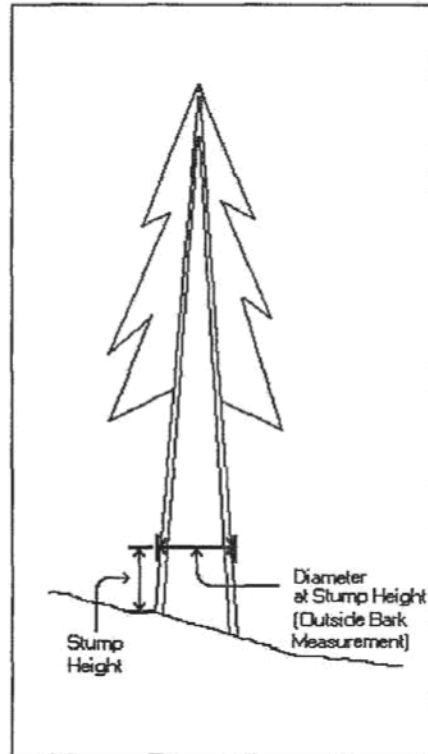
- (a) firmwood rejects;
- (b) all deciduous species of all grades; and
- (c) all coniferous species of the following grades:
  - (i) Lumber Reject (Grade Code 4);
  - (ii) Dead and Dry Lumber Reject (Grade Code 5); and
  - (iii) Undersized Log Grade (Grade Code 6).

## 6.00 RESERVED TIMBER

- 6.01 Reserve trees, leave trees and wildlife reserves are to be left in accordance with the approved Silviculture Prescription.

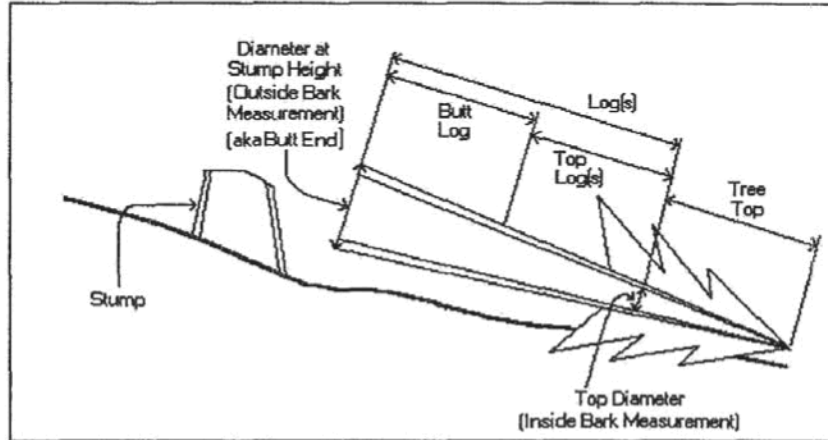
## 7.00 DEFINITIONS

- 7.01 In this Schedule, as exemplified by the diagrams attached to this Schedule,
- (a) "butt end" means the log end that was previously attached to the stump;
  - (b) "butt log" means the log cut from the portion of the tree that was previously attached to the stump;
  - (c) "diameter at stump height" means
    - (i) in the case of standing timber, the diameter of the tree (outside bark) measured at the point of the maximum stump height shown in the table attached to this Schedule, and
    - (ii) in the case of a butt log, the diameter (outside bark) at the butt end of the log; and
  - (d) "slab" means one of 2 or more parts of a log produced as a result of the log fracturing along its length;
  - (e) "stump height" means the height of the stump measured on the side of the stump adjacent to the highest ground;
  - (f) "top diameter" means the diameter (inside bark) at the narrowest end of the log;
  - (g) "top log" means any log that is not a butt log.

**SCHEDULE "B" - INTERIOR****Diagrams and Tables  
for All Block(s)****1. Falling Specifications**

Species	Maximum Stump Height	Minimum Diameter at Stump Height
*Lodgepole Pine	30 centimetres	15 centimetres
*All Other Species	30 centimetres	20 centimetres

\*Unless otherwise prescribed in the approved Silviculture Prescription for individual cut blocks.

**SCHEDULE "B" - INTERIOR****Diagrams and Tables  
for All Block(s)****2. Utilization Specifications**

Species	Minimum Log or Slab Length	Minimum Diameter at Stump Height	Minimum Top Diameter or Slab Thickness
*Lodgepole Pine	3 metres	15 centimetres	10 centimetres
*All Other Species	3 metres	20 centimetres	10 centimetres

\*Unless otherwise prescribed in the approved Silviculture Prescription for individual cut blocks.

Note: Minimum top diameter or slab thickness (inside bark measurement) for cedar older than 141 years is 15.0 cm.

ROAD LAYOUT AND DESIGN  
SCHEDULE 'A1'

## NON-ROAD PERMIT ROADS

(Re-contoured Roads)

Road Permit ☐ \_\_\_\_\_  
 Cutting Permit ☐ 41  
 Special Use Permit ☐ \_\_\_\_\_

Amendment Number: \_\_\_\_\_

1.	ROAD NAME/REFERENCE:	Sp2-1	Sp 2-2	Sp 4-1	Sp5-1
2.	SECTION (KM - KM)	0 - 0.193	0 - 0.194	0- 0.468	0 - 0.070
3.	EXHIBIT 'A' SECTION REFERENCE				
4.	PERMIT USE: (check one for each section) CONSTRUCT / MODIFY A ROAD OR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	USE/MAINTAIN EXISTING ROAD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	ROAD TYPE: (SNOW/PLANNED 5-YEAR/ ONE-SEASON WINTER/PERMANENT)	one -season re-contoured	one -season re-contoured	one -season re-contoured	one -season re-contoured
6.	ROAD WIDTH: (m)	4	4	4	4
7.	TURNOUTS: MAXIMUM DISTANCE BETWEEN (m)	500	500	500	500
8.	USABLE LENGTH / WIDTH (m/m)	18/5	18/5	18/5	18/5
9.	MINIMUM CURVE RADIUS: (m)	15	15	15	15
10.	MAXIMUM SUSTAINED GRADE: ADVERSE (%)	8	8	8	8
11.	FAVOURABLE (%)	15	15	15	15
12.	MAXIMUM SHORT PITCH GRADE: ADVERSE (%)	13	13	13	13
13.	FAVOURABLE(%)	18	18	18	18
14.	MINIMUM CULVERT SIZE: ROUND PIPE (mm)	400	400	400	400
15.	OTHER SHAPES - OPENING SIZE (mm / mm)	N/A	N/A	N/A	N/A
16.	OVERLANDING (BY STN)	0 - 0.193	0 - 0.194	0- 0.468	0 - 0.070
17.	STUMPS/ROOTS/LOGS IN ROAD PRISM (BY STN)	0 - 0.193	0 - 0.194	0- 0.468	0 - 0.070
18.	CUT/FILL SLOPE ANGLE (SELECT GUIDEBOOK OR OTHER METHOD)	Guidebook			

**NOTE:** The above table is for use when plan/profiles are not prepared or where plan/profiles are deficient of necessary information

**ROAD LAYOUT & DESIGN**  
**SCHEDULE 'A2'**  
**Non-Road Permit Roads**  
**(re-contoured)**

**BRIDGES, STREAM CULVERTS, AND ENGINEERED STRUCTURES TABLE**

Road Permit ☐ Cutting Permit ☐ 41 Special Use Permit ☐

Amendment No. \_\_\_\_\_

ROAD NAME	CLASS OF STRUCT.	DESIGN VEHICLE	STRUCT LOC. (KM)	STREAM NAME & RIPARIAN CLASS	STRUCTURE SIZE (Length x height)	DRAWING NO.	COMMENTS				
Sp 2-1	CR	L60	0.030 *	S6	10m x 800mm						
SP 2-1	CR	L60	0.065 *	S6	9m x 600mm						
Sp 2-2	CR	L60	0.056 *	S6	9m x 600mm						
Sp 2-2	CR	L60	0.123 *	NCD	9m x 400mm						
Sp 2-2	CR	L60	0.149 *	NCD	9m x 400mm						
<p style="text-align: center;"><b>Class of Structures Legend</b></p> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top; width: 50%;"> <b>H</b> (retaining wall ≤ 1.5 m)  <b>R</b> (retaining wall &gt; 1.5 m)  <b>FD</b> (ford)  Other (e.g. engineered fill with geotextile) </td> <td style="vertical-align: top; width: 50%;"> <b>Culverts</b>  <b>CR</b> (Culvert Round)  <b>CE</b> (Culvert Elliptical)  <b>CA</b> (Culvert Arch)  <b>CL</b> (Culvert Log)  <b>CO</b> (Culvert Other, Describe in Comments) </td> </tr> <tr> <td style="vertical-align: top;"> <b>Bridges:</b>  <b>BT</b> (Bridge Temporary)  (life less than 15 years)  <b>BP</b> (Bridge Permanent)  (life greater than 15 years) </td> <td></td> </tr> </table>								<b>H</b> (retaining wall ≤ 1.5 m) <b>R</b> (retaining wall > 1.5 m) <b>FD</b> (ford) Other (e.g. engineered fill with geotextile)	<b>Culverts</b> <b>CR</b> (Culvert Round) <b>CE</b> (Culvert Elliptical) <b>CA</b> (Culvert Arch) <b>CL</b> (Culvert Log) <b>CO</b> (Culvert Other, Describe in Comments)	<b>Bridges:</b> <b>BT</b> (Bridge Temporary) (life less than 15 years) <b>BP</b> (Bridge Permanent) (life greater than 15 years)	
<b>H</b> (retaining wall ≤ 1.5 m) <b>R</b> (retaining wall > 1.5 m) <b>FD</b> (ford) Other (e.g. engineered fill with geotextile)	<b>Culverts</b> <b>CR</b> (Culvert Round) <b>CE</b> (Culvert Elliptical) <b>CA</b> (Culvert Arch) <b>CL</b> (Culvert Log) <b>CO</b> (Culvert Other, Describe in Comments)										
<b>Bridges:</b> <b>BT</b> (Bridge Temporary) (life less than 15 years) <b>BP</b> (Bridge Permanent) (life greater than 15 years)											
<p><b>Notes:</b>  All structures indicated '*' (in structure location column), upon termination or cancellation of the permit, may be removed by the Permittee.  See clause 2.03 in the road permit.  Specify design loading of bridge structures (e.g. L75, L100, etc.)  Retaining walls &gt; 1.5 m require professional design.  Structure size - for bridges show length and height of abutment; for culverts show opening dimensions.  Refer to Section 10 of the FR Reg. for professional design requirements.  Culvert discharge &gt; 6 m<sup>3</sup>/sec should be marked with 'X' in the 'Class of Structure' column (in addition to the culvert code from the Class of Structures Legend).</p>											

HRT FS1178A2 98/12



FILE: 19500-40-A20193 CP 41 - Glade Creek

SHOWN AS A

BOLD SOLID LINE

BCCS Reference Maps:

82F033

NAD 27/83 27

Reg Compt. L

17 025

17 026

Drawn by SPW

Date 1999-03-29

Revised by

Date

Planning Cell

M131

ODM Map ID 193cp41

ORCS \* 19500-40-

Scale 1: 20,000

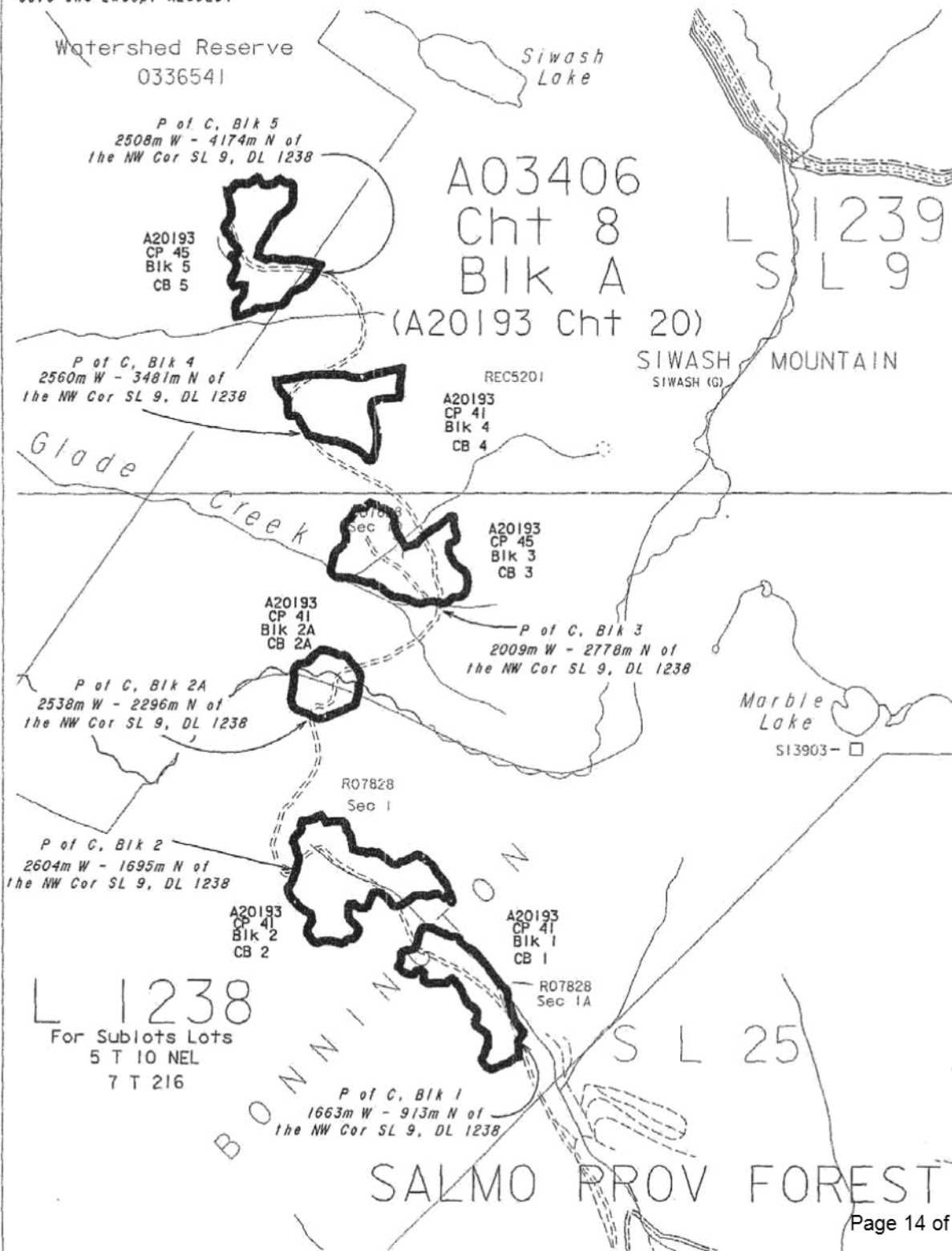
Area  
hectares 82.8

Excluding Thereout R07828

Area within Watershed Res 0336541

Save and Except REC5201

CASCADES E





File: 19500-45/A20193 CP 41

January 13, 2000

Atco Lumber Ltd.  
Box 369  
Fruitvale, BC  
V0G 1L0

Dear Sir or Madam:

Re: Forest Licence A20193 Cutting Permit 41

Pursuant to authority contained in the Permit, extension is hereby granted terminating on February 28, 2001. Upon that date all your rights under this Permit will cease.

Special forest products may be cut at the Licensee's option from any material not suitable for the manufacture of lumber or chips.

This notice forms an integral part of the Permit and should be attached thereto.

Yours truly,

Jim Guido  
Acting District Manager  
Arrow Forest District

cc: T. Pearson, C & E Tech, Arrow Forest District

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Ministry of  
Forests



Arrow Forest District

Address:  
845 Columbia Avenue  
Castlegar, British Columbia V1N 1H3

Telephone: (250) 365-8600  
Facsimile: (250) 365-8568



Date: April 20, 1999

ATCO LUMBER LTD.  
2073 HEPBURN DR.  
BOX 369  
FRUITVALE  
BRITISH COLUMBIAIn reference to:  
Client Number: 00001065  
Forest File: A20193  
Cutting Permit: 41  
Timber Mark: FB1041

VOG 1L0

Arrow Forest District  
Nelson Forest RegionStumpage Advisory Notice

Attached is a summary of the appraisal information used in determining the stumpage rate for this cutting authority.

The cutting authority Total Stumpage Rate of \$21.62 per cubic metre is effective for sawlogs scaled between

March 01, 1999 and March 31, 1999

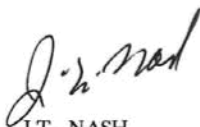
inclusive unless this cutting authority is reappraised during this period in accordance with the applicable Appraisal Manual.

The Miscellaneous Stumpage Rates listed in the applicable Appraisal Manual in effect on the date of scale take precedence over the above rate. A levy and/or bonus may be applied to any Miscellaneous Stumpage Rate.

Objections to this rate determination should be brought immediately to the attention of the undersigned in this office. The formal 21 day review period specified in the Forest Act begins upon delivery of this notice. Consideration of any objection does not delay the determination nor stop the 21 day review period. Any rate change or redetermination as a result of an objection will result in a new Stumpage Advisory Notice being issued.

The Reserve Rate will be redetermined on January 1, April 1, July 1, and October 1 each year, or on any date specified by the Minister of Forests, according to appraisal policies then in effect.

Please be advised that this letter and information is releasable under the Freedom of Information and Protection of Privacy Act.

J.T. NASH  
Appraisal Coordinator  
Attachment**RECEIVED**

APR 28 1999

MINISTRY OF FORESTS  
CASTLEGAR, B.C.

This notice forms an integral part of the cutting authority document and should be attached thereto.

FOAVL1

DISTRICT COPY



Date: April 20, 1999

In reference to:  
 Client Number: 00001065  
 Forest File: A20193  
 Cutting Permit: 41  
 Timber Mark: FB1041

Arrow Forest District  
 Nelson Forest Region

The following is a listing of cutting authority and individual species rate calculations effective when scaled between

March 01, 1999 and March 31, 1999

inclusive unless this cutting authority is reappraised during this period in accordance with the applicable Appraisal Manual.

Cutting Authority Rate Calculation Detail		Species Rate Calculation Detail					
		Species Code	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Total Rate (\$/m3)
Estimated Value	\$129.57	BA	21.62	0.00	0.00	21.62	21.62
- Estimated Cost	\$121.20	LO	21.62	0.00	0.00	21.62	21.62
= Stand Value Index	\$8.37	SP	21.62	0.00	0.00	21.62	21.62
- Mean Value Index	\$9.41						
+ Base Rate	\$22.66						
= Indicated Rate	\$21.62						
Reserve Rate	\$21.62						
+ Development Levy	\$0.00						
+ Silviculture Levy	\$0.00						
= Upset Rate	\$21.62						

This notice forms an integral part of the cutting authority document and should be attached thereto.

DISTRICT COPY

FOASA1

REPORT ID: IASR083  
RUN DATE: 1999-04-20  
RUN TIME: 08.52.32

MINISTRY OF FORESTS  
INTERIOR APPRAISAL SYSTEM  
LOGGING AND SILVICULTURE COST  
ESTIMATE

PAGE: 1  
USERID: EKANIGAN  
DATABASE: SQLP1

Timber Mark: FB1041

Appraisal Effective Date: 1999-03-01

Nelson Forest Region  
Arrow Forest District

Licence: A20193  
Cutting Permit: 41  
Calculation Date: 1999-04-20

Arrow TSA Block M  
Total Volume: 24,440  
Expiry Date: 2000-02-29

Logging Trend Factor: 1.135  
Silviculture Trend Factor: 1.135  
Manufacturing Trend Factor: 1.125  
Stumpage Rate Effective Date: 1999-03-01

MVI Eligible Indicator: Y  
Adjust Quarterly Indicator: Y

PHASE	Subphase Cost (\$/m3)	Phase Total (\$/m3)
DEVELOPMENT:		14.75
Tabulated		
Culverts	22,096.00	
Bridges	0.00	
Roads	249,615.30	
Fencing and Cattle Guards	0.00	
Allocated Development	0.00	
Engineered Development	88,856.92	
TREE TO TRUCK:		25.54
Ground Skidding (Clear Cut)	13.09	
Ground Skidding (Partial Cut)	2.31	
Overhead Cable Yarding (Highlead & Grapple)	10.14	
Overhead Cable Yarding (Skyline)	0.00	
Helicopter Logging	0.00	
Horse Logging	0.00	
Specified Operation	0.00	
LOG TRANSPORTATION:		10.08
Hauling	6.36	
Primary	6.36	
Secondary	0.00	
Water Transportation	0.00	
Special Transportation and Specified Operations	0.00	
Road Maintenance	3.72	
Road Use	0.00	

REPORT ID: IASR083  
RUN DATE: 1999-04-20  
RUN TIME: 08.52.32

MINISTRY OF FORESTS  
INTERIOR APPRAISAL SYSTEM  
LOGGING AND SILVICULTURE COST  
ESTIMATE

PAGE: 2  
USERID: EKANIGAN  
DATABASE: SQLP1

Timber Mark: FB1041

Appraisal Effective Date: 1999-03-01

PHASE	Subphase Cost (\$/m3)	Phase Total (\$/m3)
ADMINISTRATION & OTHER:		
Overhead	11.72	11.72
Low Volume additive:		
		-----
TOTAL LOGGING COST:		62.09
TOTAL TRENDDED LOGGING COST:		70.47
SILVICULTURE:		6.24
Basic	6.24	
Specified	0.00	
TOTAL TRENDDED SILVICULTURE COST:		7.08

\*\*\* Normal end of report \*\*\*

**Date:** March 14, 2000**ATCO LUMBER LTD.  
2073 HEPBURN DRIVE  
PO BOX 369  
FRUITVALE  
BRITISH COLUMBIA****In reference to:  
Client Number: 00001065  
Forest File: A20193 19500-45  
Cutting Permit: 41  
Timber Mark: FB1041****V0G 1L0****Arrow Forest District  
Nelson Forest Region****Stumpage Advisory Notice**

Attached is a summary of the appraisal information used in determining the stumpage rate for this cutting authority.

The cutting authority Total Stumpage Rate of \$40.43 per cubic metre is effective for sawlogs scaled between

March 01, 2000 and March 31, 2000

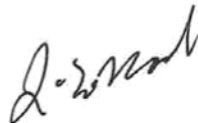
inclusive unless this cutting authority is reappraised during this period in accordance with the applicable Appraisal Manual.

The Miscellaneous Stumpage Rates listed in the applicable Appraisal Manual in effect on the date of scale take precedence over the above rate. A levy and/or bonus may be applied to any Miscellaneous Stumpage Rate.

Objections to this rate determination should be brought immediately to the attention of the undersigned in this office. The formal 21 day review period specified in the Forest Act begins upon delivery of this notice. Consideration of any objection does not delay the determination nor stop the 21 day review period. Any rate change or redetermination as a result of an objection will result in a new Stumpage Advisory Notice being issued.

The Reserve Rate will be redetermined on January 1, April 1, July 1, and October 1 each year, or on any date specified by the Minister of Forests, according to appraisal policies then in effect.

Please be advised that this letter and information is releasable under the Freedom of Information and Protection of Privacy Act.



**J.T. NASH  
Appraisal Coordinator  
Attachment**

**RECEIVED****MAR 28 2000****MINISTRY OF FORESTS  
CASTLEGAR, B.C.**

This notice forms an integral part of the cutting authority document and should be attached thereto.

FOAVL1

**DISTRICT COPY**

Date: March 14, 2000

In reference to:  
 Client Number: 00001065  
 Forest File: A20193  
 Cutting Permit: 41  
 Timber Mark: FB1041

Arrow Forest District  
 Nelson Forest Region

The following is a listing of cutting authority and individual species rate calculations effective when scaled between

March 01, 2000 and March 31, 2000

inclusive unless this cutting authority is reappraised during this period in accordance with the applicable Appraisal Manual.

Cutting Authority Rate Calculation Detail		Species Rate Calculation Detail						
		Species Code	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
Estimated Value	\$153.78	BA	40.43	0.00	0.00	40.43	0.00	40.43
- Estimated Cost	\$112.99	LD	40.43	0.00	0.00	40.43	0.00	40.43
= Stand Value Index	\$40.79	SP	40.43	0.00	0.00	40.43	0.00	40.43
- Mean Value Index	\$31.48							
+ Base Rate	\$31.12							
= Indicated Rate	\$40.43							
Reserve Rate	\$40.43							
+ Development Levy	\$0.00							
+ Silviculture Levy	\$0.00							
= Upset Rate	\$40.43							

This notice forms an integral part of the cutting authority document and should be attached thereto.

DISTRICT COPY

FOASAI

REPORT ID: IASR083  
RUN DATE: 2000-03-14  
RUN TIME: 15.27.56

MINISTRY OF FORESTS  
INTERIOR APPRAISAL SYSTEM  
LOGGING AND SILVICULTURE COST  
ESTIMATE

PAGE: 1  
USERID: TRKERBY  
DATABASE: SQLP1

Timber Mark: FB1041

Appraisal Effective Date: 2000-03-01

Nelson Forest Region  
Arrow Forest District

Licence: A20193  
Cutting Permit: 41  
Calculation Date: 2000-03-14

Arrow TSA Block M  
Total Volume: 24,440  
Expiry Date: 2001-02-28

Logging Trend Factor: 1.000  
Silviculture Trend Factor: 1.000  
Manufacturing Trend Factor: 1.000  
Stumpage Rate Effective Date: 2000-03-01

MVI Eligible Indicator: Y  
Adjust Quarterly Indicator: Y

PHASE	Subphase Cost (\$/m3)	Phase Total (\$/m3)
DEVELOPMENT:		16.71
Tabulated		
Culverts	24,840.00	
Bridges	0.00	
Roads	287,966.50	
Fencing and Cattle Guards	0.00	
Allocated Development	0.00	
Engineered Development	95,521.19	
TREE TO TRUCK:		25.68
Ground Skidding (Clear Cut)	12.74	
Ground Skidding (Partial Cut)	2.27	
Overhead Cable Yarding Highlead & Grapple (Clear)	10.67	
Overhead Cable Yarding Highlead & Grapple (Partial)	0.00	
Overhead Cable Yarding Skyline (Clear Cut)	0.00	
Overhead Cable Yarding Skyline (Partial Cut)	0.00	
Helicopter Logging	0.00	
Horse Logging	0.00	
Specified Operation	0.00	
LOG TRANSPORTATION:		10.33
Hauling	6.36	
Primary	6.36	
Secondary	0.00	
Water Transportation	0.00	
Special Transportation and Specified Operations	0.00	
Road Maintenance	3.97	
Road Use	0.00	

REPORT ID: IASR083  
RUN DATE: 2000-03-14  
RUN TIME: 15.27.56

MINISTRY OF FORESTS  
INTERIOR APPRAISAL SYSTEM  
LOGGING AND SILVICULTURE COST  
ESTIMATE

PAGE: 2  
USERID: TRKERBY  
DATABASE: SQLP1

Timber Mark: FB1041

Appraisal Effective Date: 2000-03-01

PHASE	Subphase Cost (\$/m3)	Phase Total (\$/m3)
ADMINISTRATION & OTHER:		
Overhead	12.28	12.28
Low Volume additive:		
		-----
TOTAL LOGGING COST:		65.00
TOTAL TRENDEND LOGGING COST:		65.00
SILVICULTURE:		7.22
Basic	7.22	
Specified	0.00	
TOTAL TRENDEND SILVICULTURE COST:		7.22

\*\*\* Normal end of report \*\*\*



File: 19500-45/A20193 CP 41

February 7, 2001

Atco Lumber Ltd.  
Box 369  
Fruitvale, BC  
V0G 1L0

Dear Sir or Madam:

Re: Forest Licence A20193 Cutting Permit 41

Pursuant to authority contained in the Permit, extension is hereby granted terminating on February 28, 2002. Upon that date all your rights under this Permit will cease.

Special forest products may be cut at the Licensee's option from any material not suitable for the manufacture of lumber or chips.

This notice forms an integral part of the Permit and should be attached thereto.

Yours truly,

Patrick W. Field  
Acting District Manager  
Arrow Forest District

cc: T. Pearson, C & E Tech, Arrow Forest District

---

Ministry of  
Forests



Arrow Forest District

Address:  
845 Columbia Avenue  
Castlegar, British Columbia V1N 1H3

Telephone: (250) 365-8600  
Facsimile: (250) 365-8568





File: 19500-45/A20193 CP 41

February 14, 2001

Atco Lumber Ltd.  
Box 369  
Fruitvale, B.C.  
V0G 1L0

Dear Sir or Madam:

The attached revised Exhibit "A" map for Forest Licence A20193 Cutting Permit 41 replaces the map attached to your cutting permit document.

In accordance with section 43 (1) of the *Forest Practices Code of British Columbia Act* this letter constitutes my approval for a minor amendment to your approved Forest Development Plan.

This notice forms an integral part of the permit and should be attached thereto.

Yours truly,

Brian Simpson  
District Manager  
Arrow Forest District

Attachment

cc: Tracey Pearson, C & E Tech, Arrow Forest District  
cc: G. Edney, Tenures Officer, Arrow Forest District

of



Arrow Forest District

Address:  
845 Columbia Avenue  
Castlegar, British Columbia V1N 1H3  
  
Telephone: (250) 365-8600  
Facsimile: (250) 365-8568



FILE: 19500-40-A20193 CP 41 - Glade Creek

SHOWN AS A

BOLD SOLID LINE

BEST Representation Map

82F033

NAD 27/83 27

Reg. Comp. 17 025

17 026

Drawn by SPW

Date 1999-03-29

Revised by SPW

Date 2001-02-09

Planning Cell

M131

DEM Map ID: 193cp41

ORCS = 19500-40-

Scale: 20,000

Area  
Reforested: 83.1

Excluding Thereout R07828

Area within Watershed Res 0336541

Save and Except REC5201

CASCADES E

Watershed Reserve  
0336541

P of C, Bk 5  
2508m W - 4174m N of  
the NW Cor SL 9, DL 1238

A20193  
CP 45  
Bk 5  
CB 5

A03406

Ch+ 8

Bk A

(A20193 Ch+ 20)

P of C, Bk 4  
2560m W - 3481m N of  
the NW Cor SL 9, DL 1238

A20193  
CP 41  
Bk 4  
CB 4

Glade  
Creek

ADD

A20193  
CP 45  
Bk 3  
CB 3

A20193  
CP 41  
Bk 2A  
CB 2A

P of C, Bk 3  
2009m W - 2778m N of  
the NW Cor SL 9, DL 1238

P of C, Bk 2A  
2538m W - 2296m N of  
the NW Cor SL 9, DL 1238

P of C, Bk 2  
2604m W - 1695m N of  
the NW Cor SL 9, DL 1238

A20193  
CP 41  
Bk 2  
CB 2

A20193  
CP 41  
Bk 1  
CB 1

L 1238

For Sublots Lots  
5 T 10 NEL  
7 T 216

P of C, Bk 1  
1663m W - 913m N of  
the NW Cor SL 9, DL 1238

SALMO PROV FOREST



Date: March 15, 2001

ATCO LUMBER LTD.  
2073 HEPBURN DRIVE  
PO BOX 369  
FRUITVALE  
BRITISH COLUMBIAIn reference to:  
Client Number: 00001065  
Forest File: A20193 19500-45  
Cutting Permit: 41  
Timber Mark: FB1041

VOG 1L0

Arrow Forest District  
Nelson Forest RegionStumpage Advisory Notice

Attached is a summary of the appraisal information used in determining the stumpage rate for this cutting authority.

The cutting authority Total Stumpage Rate of \$19.56 per cubic metre is effective for sawlogs scaled between

March 01, 2001 and March 31, 2001

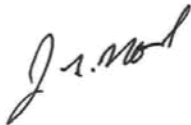
inclusive unless this cutting authority is reappraised during this period in accordance with the applicable Appraisal Manual.

The Miscellaneous Stumpage Rates listed in the applicable Appraisal Manual in effect on the date of scale take precedence over the above rate. A levy and/or bonus may be applied to any Miscellaneous Stumpage Rate.

Objections to this rate determination should be brought immediately to the attention of the undersigned in this office. The formal 21 day review period specified in the Forest Act begins upon delivery of this notice. Consideration of any objection does not delay the determination nor stop the 21 day review period. Any rate change or redetermination as a result of an objection will result in a new Stumpage Advisory Notice being issued.

The Reserve Rate will be redetermined on January 1, April 1, July 1, and October 1 each year, or on any date specified by the Minister of Forests, according to appraisal policies then in effect.

Please be advised that this letter and information is releasable under the Freedom of Information and Protection of Privacy Act.

J.T. NASH  
Appraisal Coordinator  
Attachment

RECEIVED

MAR 20 2001

MINISTRY OF FORESTS  
CASTLEGAR, B.C.

This notice forms an integral part of the cutting authority document and should be attached thereto.

FD04V1.1

DISTRICT COPY

Date: March 15, 2001

In reference to:  
 Client Number: 00001065  
 Forest File: A20193  
 Cutting Permit: 41  
 Timber Mark: FB1041

Arrow Forest District  
 Nelson Forest Region

The following is a listing of cutting authority and individual species rate calculations effective when scaled between

March 01, 2001 and March 31, 2001

inclusive unless this cutting authority is reappraised during this period in accordance with the applicable Appraisal Manual.

Cutting Authority Rate Calculation Detail		Species Rate Calculation Detail						
		Species Code	Reserve Rate (\$/m3)	Silviculture Levy (\$/m3)	Development Levy (\$/m3)	Upset Rate (\$/m3)	Bonus Bid (\$/m3)	Total Rate (\$/m3)
Estimated Value	\$143.85	BA	19.56	0.00	0.00	19.56	0.00	19.56
- Estimated Cost	\$110.85	LO	19.56	0.00	0.00	19.56	0.00	19.56
= Stand Value Index	\$33.00	SP	19.56	0.00	0.00	19.56	0.00	19.56
- Mean Value Index	\$29.67							
+ Base Rate	\$16.23							
= Indicated Rate	\$19.56							
Reserve Rate	\$19.56							
+ Development Levy	\$0.00							
+ Silviculture Levy	\$0.00							
= Upset Rate	\$19.56							

This notice forms an integral part of the cutting authority document and should be attached thereto.

DISTRICT COPY

FOASA1

REPORT ID: IASR083  
RUN DATE: 2001-03-15  
RUN TIME: 15.54.41

MINISTRY OF FORESTS  
INTERIOR APPRAISAL SYSTEM  
LOGGING AND SILVICULTURE COST  
ESTIMATE

PAGE: 1  
USERID: TRKERBY  
DATABASE: SQLPI

Timber Mark: FB1041

Appraisal Effective Date: 2001-03-01

Nelson Forest Region  
Arrow Forest District

Licence: A20193  
Cutting Permit: 41  
Calculation Date: 2001-03-15

Arrow TSA Block M  
Total Volume: 24,565  
Expiry Date: 2002-02-28

Logging Trend Factor: 1.000  
Silviculture Trend Factor: 1.000  
Manufacturing Trend Factor: 1.000  
Stumpage Rate Effective Date: 2001-03-01

MVI Eligible Indicator: Y  
Adjust Quarterly Indicator: Y

PHASE	Subphase Cost (\$/m3)	Phase Total (\$/m3)
		-----
DEVELOPMENT:		15.21
Tabulated		
Culverts	23,749.00	
Bridges	0.00	
Roads	257,461.10	
Fencing and Cattle Guards	0.00	
Allocated Development	0.00	
Engineered Development	92,323.56	
TREE TO TRUCK:		24.85
Ground Skidding (Clear Cut)	12.46	
Ground Skidding (Partial Cut)	2.20	
Overhead Cable Yarding Highlead & Grapple (Clear)	10.19	
Overhead Cable Yarding Highlead & Grapple (Partial)	0.00	
Overhead Cable Yarding Skyline	0.00	
Helicopter Logging	0.00	
Horse Logging	0.00	
Specified Operation	0.00	
LOG TRANSPORTATION:		10.15
Hauling	6.67	
Primary	6.67	
Secondary	0.00	
Water Transportation	0.00	
Special Transportation and Specified Operations	0.00	
Road Maintenance	3.48	
Road Use	0.00	

REPORT ID: IASR083  
RUN DATE: 2001-03-15  
RUN TIME: 15.54.41

MINISTRY OF FORESTS  
INTERIOR APPRAISAL SYSTEM  
LOGGING AND SILVICULTURE COST  
ESTIMATE

PAGE: 2  
USERID: TRKERBY  
DATABASE: SQLP1

Timber Mark: FB1041

Appraisal Effective Date: 2001-03-01

PHASE	Subphase Cost (\$/m3)	Phase Total (\$/m3)
	-----	-----
ADMINISTRATION & OTHER:		12.01
Overhead	12.01	
Low Volume additive:		
		-----
TOTAL LOGGING COST:		62.22
TOTAL TRENDDED LOGGING COST:		62.22
SILVICULTURE:		6.77
Basic	6.77	
Specified	0.00	
TOTAL TRENDDED SILVICULTURE COST:		6.77

\*\*\* Normal end of report \*\*\*