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MEMORANDUM

File: 280-30
Ref: 124632

MAY 27 2010

To: Madeline Maley, A/Regional Executive Director, Southern Interior Region
Bill Warner, Regional Executive Director, Northern Interior Region

From: The Honourable Pat Bell
Minister of Forests and Range

Re: Amendment No. 14 to the *Interior Appraisal Manual*

I hereby approve Amendment No. 14 to the *Interior Appraisal Manual* and attach a copy for your use. The following sections have been amended:

- Section 1.1 Definitions added for "Cruise Based", "Net Merchantable Volume", "Scale Based", and "Timber Harvesting".
- Section 1.4 Text changes for clarification.
- Section 2.2.1(1)(c) Housekeeping revision.
- Section 2.2.1(1)(f) Revised changed circumstance for surrender of cutting permits on June 1, 2010 due to Interior pricing policy changes for July 1, 2010.
- Section 6.1 Housekeeping changes to update table numbers and references. Text references revised due to addition of new section 6.9.
- Section 6.3 Addition of Table 6-3 with Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit is added. Amalgamation of the sections dealing with road Permits and Blanket Salvage Permits for simplification.
- Section 6.4, 6.5, 6.6 Table number changes to Table 6-4, 6-5 and 6-6 due to addition of Table 6-3, and table references updated.

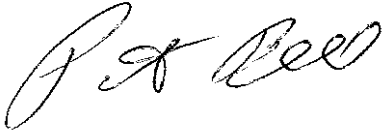


Section 6.7(2) Text revision to reference Table 6-3.

Section 6.9 New section with criteria for cruise based stumpage calculations.

Table 6-7 New table added with timber marks for existing cutting authorities converting to cruise based June 1, 2010.

This amendment will come into force on June 1, 2010. Further amendments or revisions to this manual require my approval.



Pat Bell
Minister

Attachment

pc: Murray Stech, Director, Pricing Branch

<p>FOR FURTHER INFORMATION OR IF YOU HAVE A CHANGE OF ADDRESS, PLEASE CONTACT:</p> <p>Bob Bull Senior Timber Pricing Forester (Interior) Pricing Branch Ministry of Forests 1st Floor, 1520 Blanshard Street Victoria, BC V8W 3K1 Phone: 250-356-7709 Email: Bob.Bull@gov.bc.ca FAX: 250-387-5670</p>	MANUAL TITLE	
	Interior Appraisal Manual	
	AMENDMENT	ISSUE DATE
	Amendment No. 14	June 1, 2010
MANUAL CO-ORDINATOR		
Judy Laton Publications/Administrative Co-ordinator		
AUTHORIZATION (Name, Title)		
Murray Stech Director, Pricing Branch		

Please make the following changes to your copy of the above Ministry manual.

ACTION (Remove/Insert)	(VOL.) CHAPTER-SECTION-SUBJECT TABLE OF CONTENTS	PAGE(S)	COMMENTS
Remove	Chapter 2	3 - 4	After Chapter 2 Tab
Insert		3 - 4	
Remove	Table of Contents	iii - vi	After Table of Contents Tab
Insert		iii - vi	
Remove	Chapter 1	3 - 6 9 - 10	After Chapter 1 Tab
Insert		3 - 6 9 - 10	
Remove	Chapter 2	3 - 4	After Chapter 2 Tab
Insert		3 - 4	
Remove	Chapter 6	1 - 20	After Chapter 6 Tab
Insert		1 - 20	
Remove	Index	1 - 4	After Index Tab
Insert		1 - 4	
INSERT	Letter from Minister and Transmittal Sheet		After Amendments Tab

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b. a forestry licence to cut entered into under Section 47.6(3) of the *Act*,

“Bonus Bid” means a bonus bid described in section 103(1)(d) of the *Act*,

“Bonus Offer” means a bonus offer described in section 103(2) of the *Act*,

“Chipped” means having been cut into small pieces by a chipper,

“Coniferous cruise volume” means that part of the total net cruise volume which is coniferous timber,

“Controlled Recreation Area” means controlled recreation area as defined in the *Resort Timber Administration Act*,

“Cruise Based” means the cutting authority is approved under section 106 of the *Act* and the stumpage payable is calculated using information from a cruise of the timber before it is cut conducted in accordance with the *Cruising Manual*,

“Cutting Authority” means:

1. A cutting permit issued under:
 - a. a forest licence,
 - b. a timber sale licence that provides for the issuance of cutting permits,
 - c. a tree farm licence,
 - d. a community forest agreement,
 - e. a woodlot licence,
 - f. a timber licence,
 - g. a community salvage licence,
 - h. a master licence to cut, or
 - i. a forestry licence to cut.
2. A timber sale licence under which cutting permits have not or will not be issued.
3. All other licences to cut.
4. A road permit.

“Cutting Authority Area” means the area where timber may be harvested under a cutting authority, which has a unique timber mark,

“Deciduous timber” means timber that is not of a coniferous species,

“Decked timber” means timber that has been 100% decked at roadside,

“Director” means director of Revenue Branch Ministry of Forests and Range,

“District Manager” means:

- a. Except as provided in paragraph (b) of this definition, the district manager or district manager’s designate.
- b. Where the cutting authority area being appraised or reappraised is located in a controlled recreation area designated under the *Resort Timber Administration Act*, (RTAA) then district manager means an employee of the Ministry of Tourism, Culture and the Arts to whom the minister of that ministry has delegated the minister’s powers and duties under section 2 of the RTAA.

“Effective Date” means, unless otherwise specified in the manual,

- i. the date the stumpage rate is determined when required for advertising for competitive award, or
- ii. the effective date of the cutting authority when the stumpage rate is determined for a cutting permit or a direct award licence.

“Executive Director, Field Operations” means the Executive Director, Field Operations or Executive Director, Field Operations’ designate.

“Fully Appraised” means stand data (site specific or borrowed) has been used by the general appraisal system to calculate an indicated stumpage rate or has been included in an appraisal for a BCTS cutting authority including appraisals where the upset rate was set at the variable cost to prepare the timber for sale,

“Hogged” means tree residues or by-products that have been shredded into smaller fragments by mechanical action.

“Licensee” means the holder of a cutting authority,

“Manual” means *Interior Appraisal Manual*,

“Minister” means Minister of Forests and Range,

“Ministry” means Ministry of Forests and Range,

“Net Merchantable volume” means the post reduction coniferous cruise volume compiled to the Interior Standard Merchantability Specifications in Table 1-1 of this manual,

“New Construction” means the following construction phases: subgrade construction, placement of additional stabilizing material and the construction and installation of drainage and other pertinent structures,

“Partially Harvested Timber” means timber that has been felled and/or bucked and not yet forwarded to roadside.

“Prescribed Minimum Stumpage Rate” means the minimum stumpage rate prescribed by the minimum stumpage rate regulation (BC Regulation 354/87).

“Reconstruction and Replacement” means replacement or structural repair of a major drainage structure (e.g., replacing stringers, cross ties, or cribbing), or major resurfacing, which means resurfacing sections of more than 0.3 km in length that were initially surfaced but have deteriorated due to long term wear and tear, where stabilizing material was not previously used, or major reconstruction, which means restoring at least 0.1 km of road (per occurrence) that requires complete rebuilding of the subgrade,

“Regional Manager” means regional executive director or regional executive director’s designate,

“Regulations” means regulations under the *Act*,

“Remedial Fences and Wing Fences” means fencing that is required to remedy, reduce or manage the impact of timber harvesting activities on range management,

“Revenue Branch” means the Pricing Branch of the Ministry,

“Road Permit” means road permit or road timber mark,

“Salvage” except as provided in section 6.4, means a cutting authority area where greater than one-third of the net coniferous cruise volume is attacked by mountain pine beetle or other pests,

“Scale Based” means the stumpage payable is based on a scale of the timber in accordance with Part 6 of the *Act*,

“Skidder Swing” means situations where two of the different harvest methods as listed in section 4.4.1 are required to move timber to an existing road or landing where it can be loaded onto a haul truck. Where skidder swing is included in an appraisal the harvest method that moves the felled timber first is the method that is indicated in the appraisal data submission,

“Species Net Volume” is the species net volume reported in the appraisal summary report from the cruise compilation for the cutting authority area,

“Stud Log Percent” means the net volume of 5 m logs with top diameters under 20 cm expressed as a percentage of the total net cruise volume. The stud log percent is rounded to the nearest whole percentage point,

“Stumpage Appraisal Parameter” means:

- | | |
|-----------------------------------|--|
| a. Interior average market price, | e. US Dollar Exchange rate, |
| b. Interior base rate, | f. Lumber and Chip Average Market Values, |
| c. Interior mean value index, | g. Interior Basic Silviculture Costs by Species. |
| d. BC Consumer Price Index, | |

“Suitable Secondary Structure” means suitable secondary structure as defined in Section 1(4) of the *Forest Planning and Practices Regulation*,

“Timber Harvesting” means the felling or removal of timber other than on road rights-of-way or landings on a cutblock,

“Timber Sales Manager” means the Timber Sales Manager or the Timber Sales Manager’s designate,

“Total Net Coniferous Volume” is the total of the species net volumes for all coniferous species on the cutting authority area,

“Total Net Cruise Volume” means the sum of the species net cruise volumes reported in the appraisal summary report from the cruise compilation for the cutting authority area,

“Total Net Deciduous Volume” is the total of the species net volumes for all deciduous species on the cutting authority area,

“Tributary Cutting Authority Area” means a cutting authority area from which timber must be transported over the road that is developed, or a cutting authority area to which bulk fuels, supplies, equipment and harvesting crews necessary to carry out the day-to-day harvesting activities on that area must be taken on a regular basis over the road that is developed,

1.4 Cutblocks within a Cutting Authority Area

1. Cutblocks within a cutting authority area must:
 - a. Constitute a **single** unit,
 - b. Be within the same forest district,
 - c. Be tributary to a common point of appraisal (**unless included in a blanket salvage permit**),
 - d. Must not exceed a maximum distance of ten kilometres between the furthest boundaries of the furthest cutblocks, except when required for blanket salvage.

1.5 Appraisal Data Requirements

1. The cruise and all other pertinent information required for the appraisal must be submitted by the licensee or BC Timber Sales with the appraisal data submission to the district manager.
2. Unless otherwise specified by the Director, cruise data must be gathered and compiled according to the approved interior standard timber merchantability specifications in Table 1-1 below and in accordance with the following Ministry publications:
 - a. *Cruising Manual* web site:

<http://www.for.gov.bc.ca/hva/manuals/cruising.htm>
 - b. *Cruise Compilation Manual*.
3. When requested by the district manager, a copy of the original field data must be supplied by the licensee.

Table 1-1 Interior Standard Timber Merchantability Specifications

Description	
The following standard timber merchantability specifications must be used for all appraisals.	
Stumps (Measured on the side of the stump adjacent to the highest ground.) no higher than	30.0 cm
Diameter (outside bark) at stump height	
lodgepole pine: all timber that meets or exceeds	15.0 cm
all other species: all timber that meets or exceeds	20.0 cm
Top diameter (inside bark or slab thickness)	
for all species and ages, except cedar older than 141 years, all timber that meets or exceeds	10.0 cm
Top diameter (inside bark or slab thickness)	
for cedar older than 141 years, all timber that meets or exceeds	15.0 cm
Minimum length	
log or slab	3.0 m

1.5.1 Comparative Cruise Data

1. Comparative cruise data is cruise data from an existing cutting authority area with similar stand and terrain characteristics that is used in the appraisal of a new cutting authority area.

2.2 Reappraisals

1. Where these policies and procedures require a reappraisal to be performed, the stumpage rate must be redetermined in accordance with the relevant policies and procedures that are or were in effect as the case may be on the effective date of the reappraisal.
2. Except as provided in sections 2.2.1(1)(e), 2.2.2, 2.2.3 and Appendix VI, a reappraisal is based on a complete reassessment of the cutting authority area at the time of the reappraisal, as if the area has been returned to the condition it was in prior to development or harvesting.
3. At the time of a reappraisal, initial detailed engineering cost estimates may be re-estimated once after construction in accordance with section 4.3.3.

2.2.1 Changed Circumstances

1. In this section a changed circumstance means a circumstance where:
 - a.
 - i. The licensee has used or will use a harvest method to harvest at least fifteen percent of the volume of timber in the cutting authority area that is different from the method used in the most recent appraisal or reappraisal of the cutting authority area, and
 - ii. the different harvest method that has been used or will be used when used in the changed circumstance reappraisal will produce the least cost total harvesting, development, and transportation cost estimate.
 - b. There will be a difference of at least fifteen percent between the total appraised development cost estimate in the changed circumstance reappraisal and the total appraised development cost estimate that was used in the most recent appraisal or reappraisal where the change is caused by circumstances other than a change in the manual or a change as a result of a stumpage adjustment.
 - c. Land containing merchantable timber has been either added to or deleted from the cutting authority area since the most recent cruise compilation or recompilation was used in an appraisal or reappraisal that exceeds the lesser of
 - i. fifteen hectares, or
 - ii. fifteen percent of the area of the cutting authority area as it was prior to the addition or deletion of the land.
 - d. Where the stumpage payable for the cutting authority area is based on a cruise under section 106 of the *Act*, and land containing merchantable timber has been added to or deleted from a cutting authority area that exceeds the lesser of:

- i. five hectares, or
 - ii. five percent of the area of the cutting authority area as it was prior to the addition or deletion of the land.
- e. At least fifteen percent of the volume of the appraised timber in a cutting authority area has been suddenly and severely damaged, unless the timber was damaged by a fire for which the licensee was responsible and the licensee failed to comply with the *Wildfire Act* or *Wildfire Regulations*. Notwithstanding subsection 2.2(2), where the cutting authority area is reappraised because of sudden and severe damage the redetermined stumpage rate is based upon the remaining timber only. The reappraisal cost estimate for development takes into account volume of timber already removed from the cutting authority area. This subsection is applicable to cutting authorities with either a non-adjusting (fixed) stumpage rate or a quarterly adjusted stumpage rate.
- f. A cutting permit authorizing the harvesting of timber on the cutting authority area:
 - i. was issued before **June 1, 2010**, and
 - ii. surrendered on or after **June 1, 2010**, because of the **planned Interior pricing policy** changes **July 1, 2010**, and
 - iii. the volume of timber in cutblocks where harvesting has not started (remaining timber) is greater than twenty-five percent (25 %) of the volume of timber that was on the cutting authority area when the cutting permit was issued (the original timber), and
 - iv. the District Manager is satisfied that the remaining timber is significantly different than what has been harvested under the cutting authority.
2. Except as provided in subsections 3 or 4 of this section, where a changed circumstance has occurred with respect to a cutting authority area, other than a cutting authority area that is subject of a road permit or a cutting authority area with a non-adjusting stumpage rate, the cutting authority area must be reappraised in accordance with section 2.2.1.1.
3. Where a licensee has notified the ministry in writing that a changed circumstance has occurred and the indicated stumpage rate for the cutting authority area has been less than $\$0.25/\text{m}^3$ since the cutting authority area was first appraised, and the indicated stumpage rate that would be calculated in a changed circumstance reappraisal would remain less than $\$0.25/\text{m}^3$, a changed circumstance reappraisal is not required.
4. Where a licensee has notified the ministry in writing that a changed circumstance has occurred, log transportation activities have been completed on the cutting authority

Miscellaneous Policies

6

6.1 Average Stumpage Rates by Forest Zone and Species

1. a. Each of the following forest zones referred to in Tables 6-1, 6-2, 6-4 and 6-5 is made up of the corresponding forest district areas:
 - i. North Central Zone - Fort St. James, Mackenzie, Nadina, Prince George, Quesnel and Vanderhoof Forest Districts.
 - ii. North East Zone - Fort Nelson and Peace Forest Districts.
 - iii. North West Zone - Kalum and Skeena Stikine Forest Districts.
 - iv. South East Zone - Arrow Boundary, Columbia, Headwaters, Kamloops, Kootenay Lake, Okanagan Shuswap and Rocky Mountain Forest Districts.
 - v. South West Zone - 100 Mile House, Cascades, Central Cariboo and Chilcotin Forest Districts.
- b. Where a species of coniferous timber is not listed in Table 6-1, 6-2, 6-4 and 6-5, the rate that shall be used for that species of timber is the rate listed in the column headed as OTHER.

Table 6-1 Coniferous Average Sawlog Stumpage Rates in \$/m³ by Forest Zone and Species

FOREST ZONE	BALSAM	CEDAR	FIR	HEMLOCK	LARCH	L. PINE	SPRUCE	Y. PINE	OTHER'
North Central	6.39	-	5.70	-	-	5.96	7.38	-	6.52
North East	1.89	-	-	-	-	4.93	6.77	-	5.52
North West	2.06	2.93	-	2.01	-	13.28	10.54	-	5.12
South East	10.71	9.37	7.41	8.50	8.54	9.81	11.00	4.43	9.57
South West	10.79	18.09	9.75	10.03	10.61	8.02	9.62	-	8.65

' Average for the Forest Zone

6.1.1 Community Forest Agreements

1. The sawlog stumpage rate for each species of coniferous timber harvested under any cutting authority issued under a Community Forest Agreement is the rate prescribed in Table 6-2 for the forest zone in which the cutting authority area is located.
2. Sections 1.4(d), sections 6.1.2 through 6.5 and section 6.7 through 6.9 of this chapter do not apply to Community Forest Agreement cutting authorities.
3. The stumpage rate determined under this section is redetermined on August 1 of each year in accordance with this section.
4. Notwithstanding any other subsection of this section the stumpage rate determined under this section must not be less than the prescribed minimum stumpage rate.

6.1.2 Woodlot Licences

1. Except as provided in subsection (2) of this section, the sawlog stumpage rate for each species of coniferous timber harvested under a cutting permit issued for a woodlot licence with an effective date after November 30, 2008 is the rate prescribed in Table 6-2 for the forest zone in which the cutting authority area is located.
2. Where a woodlot licence cutting permit has been issued with an effective date after November 30, 2008 for the purpose of using amounts from an eligible extended road amortization agreement in an appraisal, then the stumpage rate will be determined using the procedures in this manual excluding this section.
3. Except as provided in subsection (4) of this section, the sawlog stumpage rate for coniferous timber harvested under a road permit issued for a woodlot licence with an effective date after November 30, 2008 is the rate prescribed in Table 6-2 for the forest zone in which the timber mark applies.
4. Where a woodlot has an eligible extended road amortization agreement before December 1, 2008 the sawlog stumpage rate for a road permit with an effective date on or after December 1, 2008 is calculated using section 6.3.
5. The sawlog stumpage rate for each species of coniferous timber harvested under a blanket salvage permit issued for a woodlot licence is the rate prescribed in Table 6-2 for the forest zone in which the blanket salvage permit applies.
6. The stumpage rate determined under subsections (1), (3) and (5) of this section is redetermined on August 1, each year in accordance with this section.

7. Except as provided in subsections (2) and (4) of this section, sections 1.4(d), 6.1.1, 6.1.3 through 6.5, 6.7 and 6.8 do not apply to woodlot licences.
8. Notwithstanding any other subsections of this section the stumpage rate determined under this section must not be less than the prescribed minimum stumpage rate.

**Table 6-2 Community Forest Agreements and Woodlot Licences:
Coniferous Average Sawlog Stumpage Rates in \$/m³**

FOREST ZONE	BALSAM	CEDAR	FIR	HEMLOCK	LARCH	L. PINE	SPRUCE	Y. PINE	OTHER'
North Central	0.96	-	0.86	-	-	0.89	1.11	-	0.98
North East	0.28	-	-	-	-	0.74	1.02	-	0.83
North West	0.31	0.44	-	0.30	-	1.99	1.58	-	0.77
South East	1.61	1.41	1.11	1.28	1.28	1.47	1.65	0.66	1.44
South West	1.62	2.71	1.46	1.50	1.59	1.20	1.44	-	1.30

' Average for the Forest Zone

6.1.3 Incidental Conifer in Deciduous Leading Stands

1. Except as provided in section 7.5.1(5), this section applies to coniferous timber in a cutting authority area where the total volume of all deciduous species to be harvested is greater than 70 percent of the total net cruise volume to be harvested.
2.
 - a. The stumpage rate for each species of coniferous timber must be determined by using the stumpage rate prescribed in Table 6-1 for the forest zone in which the cutting authority area is located.
 - b. Where the Crown is responsible for basic silviculture on the cutting authority area, the stumpage rate for each species of coniferous timber shall be the sum of the rate determined under paragraph (a) of this subsection and the silviculture levy determined under section 5.6.4.
3. A stumpage rate determined under subsection 2 shall be redetermined on June 1, of each year in accordance with this section.

6.2 Cutting Authorities With 5 000 m³ or Less Volume

1. Where the total coniferous volume to be harvested in a cutting authority area is 2 000 m³ or less, and where the agreement under which the cutting authority authorizing harvesting on the cutting authority area has been issued has a coniferous allowable annual cut of not more than 3 000 cubic metres, or no coniferous annual allowable cut:
 - a. The stumpage rate for each species of coniferous timber in the cutting authority area must be determined using the stumpage rate in Table 6-1 for the forest zone in which the cutting authority area is located, except that,
 - b. Where the agreement holder is not required to establish a free growing crop of trees on the cutting authority area, the stumpage rate for each species of timber shall be
 - i. the sum of the rate determined under paragraph (a) of this subsection and the basic silviculture cost for the species in the forest region, or
 - ii. where the Crown has the responsibility for silviculture, the silviculture levy determined under section 5.6.4.
2. Except as provided in subsection 3 of this section, where the total coniferous volume to be harvested on a cutting authority area is 5 000 m³ or less, and the cutting authority authorizing harvesting on the cutting authority area is a competitively awarded forestry licence to cut, other than a BCTS licence:
 - a. Subject to section 5.6.2 and paragraph (d) of this subsection, the upset stumpage rate for each species of coniferous timber in the cutting authority area will be 70 % of the stumpage rate for that species in Table 6-1 for the forest zone in which the cutting authority area is located, except that,
 - b. Where applications for a forestry licence to cut have been invited with upset stumpage rates determined under this subsection and no applications have been received, the upset stumpage rate for each species of coniferous timber shall be the rate requested by the district manager and approved by the regional manager.
 - c. Where the regional manager does not anticipate that applications for a forestry licence to cut will be received due to market conditions or timber profile, the upset stumpage rate for each species of coniferous timber shall be the rate requested by the district manager and approved by the regional manager.
 - d. Where the Crown is responsible for basic silviculture on the cutting authority area, the upset stumpage rate for each species of coniferous timber in the cutting authority area will be the sum of the stumpage rate determined under paragraphs (a), (b) or (c) of this subsection and the basic silviculture levy determined under section 5.6.4.

3. Each upset stumpage rate determined under subsection (2) of this section shall not be less than the district's variable cost per cubic meter to prepare the timber for sale calculated by the district manager.
4. Except as provided in section 2.2.2, where the upset stumpage rate is determined under subsections 1 and 2 of this section, the total stumpage rate is fixed for the term of the cutting authority and all extensions.
5. a. Notwithstanding subsections (1) or (2) of this section, where the total coniferous volume to be harvested on a cutting authority area is 5 000 m³ or less, the stumpage rate may be determined:
 - i. for a cutting authority other than a BCTS licence by an appraisal in accordance with chapters 2, 3, 4, 5, and
 - ii. for a BCTS licence by an appraisal in accordance with chapter 7.
- b. Where the stumpage rate is determined in accordance with this subsection:
 - i. the cruise data that is used in the appraisal may be from the cruise of a comparable cutting authority as per section 1.5.1, and
 - iii. except as provided in sections 2.3(4) and 7.2.1(2) the total stumpage rate is adjustable for the term of the cutting authority and all extensions.

6.2.1 Forestry Licences to Cut for Specific Purposes (No Volume Limit)

1. a. Where the cutting authority is a forestry licence to cut awarded to the highest bidder, other than a BCTS licence and it has been issued:
 - i. For the purpose of protecting a community from wildfire as prescribed under section 1 of the *Forestry Licence to Cut Regulation*, or
 - ii. For the purpose of removing damaged timber from natural stands or plantations where:
 - aa. at least seventy percent of all of the merchantable timber volume on the cutting authority area is Pine that has been damaged by mountain pine beetle, and either
 - bb. at the time of death, the age of the damaged timber was not more than 60 years, or
 - cc. a field survey indicates that the average stems per hectare on the cutting authority area is greater than 2 000 with a minimum diameter at breast height of 5 centimeters.
 - iii. For the purpose of utilizing post harvest material in piles on landings or at roadside after a waste assessment has been made.

Then, the upset stumpage rate shall be the rate approved by the Regional Manager.

- b. Where the invitation for applications for a forestry licence to cut awarded to the highest bidder referred to in paragraph (a) of this subsection requires a bonus offer, and the amount of stumpage payable will be based on a cruise instead of a scale of the timber under section 106 of the *Act*, the upset stumpage rate shall be the rate approved by the Regional Manager.
- c.
 - i. Where the cutting authority is a forestry licence to cut issued for the purpose referred to in paragraph (a)(ii) of this subsection and it is awarded directly to the holder of a Ministry site preparation or site rehabilitation contract that was awarded to the lowest eligible bidder, the coniferous sawlog stumpage rate for all timber harvested on the cutting authority area will be \$1.20/m³.
 - ii. Where the cutting authority is a forestry licence to cut awarded directly to the holder of a Ministry site preparation or site rehabilitation contract that was awarded to the lowest eligible bidder, and it does not meet the criteria described in subsection 1(a)(ii) of this section, then the stumpage rate shall be determined using the procedures in chapters 2, 3, 4 and 5.
 - iii. Where the stumpage rate is determined in accordance with section 1(c)(ii), the cruise data that is used in the appraisal may be from the cruise of a comparable cutting authority as per section 1.5.1.
 - iv. Notwithstanding paragraphs (i) or (ii) of this subsection, where the timber from the cutting authority in paragraph (i) or (ii) will be chipped or hogged on site the stumpage rate shall be the minimum stumpage rate.
2. An upset stumpage rate determined under this section must be calculated using the *Interior Appraisal Manual* in effect on the date that the rate is determined.
3. An upset stumpage rate determined under paragraphs (1)(a)(i), 1(a)(ii) or (1)(b) of subsection (1) shall not be less than the district's variable cost to prepare the timber for sale.
4. Except as provided in subsection 1(c)(i) or (ii) of this section, where the upset stumpage rate or stumpage rate is determined under this section, the rate shall apply to all species and grades of timber.
5. Except as provided in section 2.2.2, where the upset stumpage rate or stumpage rate is determined under this section, the total stumpage rate is fixed for the term of the cutting authority and all extensions.
6. Notwithstanding any other subsection of this section, the upset stumpage rate determined under this section shall not be less than the minimum stumpage rate.

6.3 Road and Blanket Salvage Permits

1. In this section the area of a forest district or the area of a timber supply area does not include the area of a park located within that district or timber supply area.
2. Except as otherwise provided in this chapter, the stumpage rate for a road permit or a blanket salvage permit shall be the weighted average sawlog stumpage rate, plus the bonus bid if applicable:
 - a. from the table provided to the regions by Revenue Branch for all cutting authorities, authorizing harvesting on cutting authority areas that have been fully appraised, that authorize the harvesting of timber in the same forest district in which the road or blanket salvage permit cutting authority area is located, and that are issued under the licence that entitles the licensee to apply for the road or blanket salvage permit, if there is a minimum positive billed volume of 500 cubic metres of coniferous sawlogs from which the weighted average sawlog stumpage rate may be determined, or
 - b. the stumpage rate is the stumpage rate prescribed in Table 6-3 for the smaller of the area of the same forest district or the area of the same timber supply area in which the road permit or blanket salvage permit cutting authority area is located.

Table 6-3 Coniferous Average Sawlog Stumpage Rates by Smallest Geographic Unit

TSA is Smallest Geographic Unit	
TSA	Rate (\$/m ³)
Arrow TSA	12.65
Boundary TSA	12.44
Merritt TSA	9.88
Lillooet TSA	1.01
Golden TSA	0.28
Revelstoke TSA	4.92
Robson Valley TSA	7.71
Nass TSA	2.05
Kalum TSA	1.48
Lakes TSA	7.54
Morice TSA	7.04
Dawson Creek TSA	4.56
Fort St. John TSA	7.08
Cranbrook TSA	5.34
Invermere TSA	6.04
Bulkley TSA	13.79
Kispiox TSA	7.48
Cranberry TSA	2.28
Cassiar TSA	0.25

District is Smallest Geographic Unit	
District	Rate (\$/m³)
Kamloops Forest District	8.01
Headwaters Forest District	10.08
Central Cariboo Forest District	7.02
Chilcotin Forest District	0.69
Fort St. James Forest District	9.33
Prince George Forest District	7.39
Vanderhoof Forest District	5.60

District & TSA are the same	
District	Rate (\$/m³)
100 Mile House Forest District/TSA	8.78
Kootenay Lake Forest District/TSA	9.93
Fort Nelson Forest District/TSA	0.71
Mackenzie Forest District/TSA	8.35
Okanagan Shuswap Forest District/TSA	12.22
Quesnel Forest District/TSA	4.22

Regions	
Regions	Rate (\$/m³)
RNI	6.96
RSI	8.24

3. If there are no records from which the weighted average sawlog stumpage rate may be determined under paragraphs (a) **or** (b) of subsection (2) of this section, then the stumpage rate, for each species of coniferous timber, is the rate in Table 6-1 for the forest zone in which the road **or blanket salvage** permit cutting authority area is located.
4. The stumpage rate for a road permit granted to the holder of a timber sale licence entered into under section 20 of the *Forest Act* will be the same as the stumpage rate for the timber sale licence which entitled the licensee to apply for the road permit.
5. Except as provided in Appendix VI, the stumpage rate for a road permit shall be redetermined on June 1 of each year in accordance with the procedure in this section.

6. The costs of roads **authorized for construction** under road permits are eligible for inclusion as development cost estimates under section 4.3 in the appraisal of the licensees' first fully appraised tributary cutting authority. These roads will not be considered as existing roads under section 4.3.1.1.3(2).
7. Where a woodlot has an eligible extended road amortization agreement before December 1, 2008 the sawlog stumpage rate for a road permit with an effective date on or after December 1, 2008 is calculated using the procedures in **this** section.
8. **Except as provided in Appendix VI, the stumpage rate for a blanket salvage cutting permit shall be redetermined on August 1 each year in accordance with the procedure in this section.**

6.4 Salvage Timber Stumpage Rates

1. This section applies to cutting authorities issued under licences which do not have an allowable annual cut. Salvaged timber is either post harvest material or damaged timber:
2. Post Harvest Material is either:
 - a. wooden culverts and bridges, or
 - b. post logging residue.
3. Damaged Timber is timber that:
 - a. Has been blown down,
 - b. Has been damaged by fire, disease, snow press, or
 - c. Will die within one year, as determined by the district manager, as a result of the affects of the mountain pine beetle, or other forest pests.
4. The criteria and methodology for the calculation of salvaged timber stumpage rates are:
 - a. Post harvest material may not be combined in the same cutting authority area with damaged timber.
 - b. Except where damage to adjacent or contiguous timber occurs after harvesting is completed on the adjacent primary logging cutting permit area and the harvesting equipment has been demobilized from the area, damaged timber salvage cutting authority areas must be scattered, and not be adjacent to or contiguous with an existing cutting authority area.
 - c. Except as provided in subsection (4)(d) of this section the total area of a clearcut salvage harvesting area shall not exceed 5 hectares.
 - d. Where salvage of only damaged stems through partial cutting will leave a stand that meets minimum stocking standards, the area harvested may be larger than 5 hectares.
 - e. Salvage logging stumpage rates may only be determined for a cutting authority where more than one-third of the volume of coniferous timber to be harvested in the cutting authority area is damaged timber.
 - f. Post harvest salvage may only occur after primary logging has been satisfactorily completed and residue and waste assessments have been submitted to and accepted by the Ministry.

- g. Salvage cannot occur on a road right-of-way which has an active timber mark associated with it.
- h. Except as provided in section 2.2.2, a stumpage rate determined under this section is fixed for the term of the cutting authority and all extensions.
5. Where salvaged timber is damaged timber, the sawlog stumpage rate for each species of coniferous timber shall be the rate in Table 6-4 for the Forest Zone in which the cutting authority area is located.
6. Where the salvaged timber is post harvest material, the sawlog stumpage rate for each species of coniferous timber shall be the rate in Table 6-5 for the forest zone in which the cutting authority area is located.

Table 6-4 Coniferous Average Sawlog Stumpage Rates for Salvage of Damaged Timber by Forest Zone and Species in \$/m³

FOREST ZONE	BALSAM	CEDAR	FIR	HEMLOCK	LARCH	L. PINE	SPRUCE	Y. PINE	OTHER'
North Central	3.83	-	5.13	-	-	4.47	6.64	-	3.91
North East	1.13	-	-	-	-	3.70	6.09	-	3.31
North West	1.24	2.64	-	1.21	-	9.96	9.49	-	3.07
South East	6.43	8.43	6.67	5.10	7.69	7.36	9.90	3.32	5.74
South West	6.47	16.28	8.78	6.02	9.55	6.02	8.66	-	5.19

' Average for the Forest Zone

Table 6-5 Coniferous Average Sawlog Stumpage Rates for Salvage of Post Harvest Material by Forest Zone and Species in \$/m³

FOREST ZONE	BALSAM	CEDAR	FIR	HEMLOCK	LARCH	L. PINE	SPRUCE	Y. PINE	OTHER'
North Central	1.60	-	2.85	-	-	2.98	3.69	-	1.63
North East	0.47	-	-	-	-	2.47	3.39	-	1.38
North West	0.52	2.34	-	0.50	-	6.64	5.27	-	1.28
South East	2.68	7.50	3.71	2.13	4.27	4.91	5.50	2.22	2.39
South West	2.70	14.47	4.88	2.51	5.31	4.01	4.81	-	2.16

' Average for the Forest Zone

6.5 Decked and Partially Harvested Timber

1. When decked timber only is advertised for sale to the highest bidder, the upset stumpage rate for the timber shall be the total of the silviculture levy determined under section 5.6.4 and:
 - a. The prescribed minimum stumpage rate if the timber has been decked for over three years, or
 - b. Seventy percent of the stumpage rate from Table 6-4 for the applicable species and forest zone if the timber has been decked for three years or less.
2. When decked timber only is sold directly without the use of the competitive bidding process, the stumpage rate for the timber shall be the total of the silviculture levy determined under section 5.6.4 and:
 - a. The variable cost to prepare the timber for sale if the timber has been decked for over three years, or
 - b. The stumpage rate from Table 6-4 for the applicable species and forest zone if the timber has been decked for three years or less.
3. When partially harvested timber only is advertised for sale to the highest bidder the upset stumpage rate for the timber shall be the total of the silviculture levy determined under section 5.6.4 and:
 - a. The prescribed minimum stumpage rate, if three years or more have passed since the timber was felled, or
 - b. Seventy percent of the stumpage rate for the applicable species and forest zone from Table 6-5 if less than three years have passed since the timber was felled.
4. When partially harvested timber only is sold directly without the use of the competitive bidding process, the stumpage rate for the timber shall be the total of the silviculture levy determined under section 5.6.4 and:
 - a. The variable cost to prepare the timber for sale if three years or more have past since the timber was felled, or
 - b. The stumpage rate from Table 6-5 for the applicable species and forest zone if less than three years have passed since the timber was felled.
5. a. Where applications for decked timber or partially harvested timber being sold to the highest bidder have been invited with an upset stumpage rate determined under subsections 1(b), 3(b) or 6(a) of this section and no applications have been received, the upset stumpage rate shall be the rate approved by the Regional Manager.

- b. Where the Regional Manager does not anticipate that applications will be received for decked timber or partially harvested timber being sold to the highest bidder due to market conditions or timber profile, the upset stumpage rate determined under subsections 1(b), 3(b) and 6(a) of this section shall be the rate approved by the Regional Manager.
 - c. An upset stumpage rate determined under paragraphs (a) or (b) of this subsection shall not be less than the District's variable cost to prepare the timber for sale.
6.
 - a. Where applications for a forestry licence to cut that applies to both decked timber and partially harvested timber have been invited, the upset stumpage rate shall be the total of the rate determined using the procedures in subsections (1) of this section, as if the timber was all decked timber and the silviculture levy determined under section 5.6.4.
 - b. Where a forestry licence to cut that applies to both decked timber and partially harvested timber is entered into directly without the use of the competitive bidding process the stumpage rate shall be the total of the rate determined using the procedure in subsection 2 of this section as if the timber was all decked timber and the silviculture levy determined under section 5.6.4.
7. Where the upset stumpage rate or the stumpage rate has been determined using this section the total stumpage rate shall be fixed for the term of the cutting authority and all extensions.
8. An upset stumpage rate calculated under this section must be calculated using the *Interior Appraisal Manual* in effect on the date that the rate is determined (appraisal effective date).
9. Notwithstanding any other paragraph of this section the stumpage rate shall not be less than the minimum stumpage rate.

6.6 Miscellaneous Stumpage Rates

1. Unless otherwise specified in this manual, the stumpage rates, at the time of scale for timber harvested for the purposes described, in the districts listed, in the forest district specific section of Table 6-6 are as prescribed in that table.

Table 6-6 Miscellaneous Stumpage Rates

All Interior Forest Regions

Species	Code ¹	Product	Reserve Stumpage Rate
All Species	SB	Shake & Shingle Bolts, Blocks and Blanks.	\$5.30/m ³
All Species	SK	Shakes	\$6.00/m ³
Cedar	PR	Posts & Rails (Split and Round)	\$3.00/m ³
All other Species	PR	Posts & Rails (Split and Round)	\$1.20/m ³
All Species	MT	Mining Timbers	\$3.00/m ³
All Species	FW	Firewood	\$0.50/m ³
Yew		All	\$0.25/m ³
All Species	CH	Wood chips from post-harvest material where a waste assessment has been made and the material will be chipped at the roadside or the landing	\$0.25/m ³
All Species	HF	Hogged tree material from post-harvest material where a waste assessment has been made and the material will be hogged at the roadside or the landing.	\$0.25/m ³
All Species		Grades 4 and 6, except where the upset stumpage rate is determined under section 6.2.1(1)(a) and (b) and 7.5.1(7)	\$0.25/m ³
Deciduous Species		All, except grades 4 and 6 and except where the upset stumpage rate is calculated under section 6.2.1(1)(a) and (b) and 7.5.1(5) and (7)	\$0.50/m ³
All Species	SS	Stakes & Sticks.	\$1.20/m ³
All Species	XM	Christmas Tree: under 3m 3-5 m over 5 m	\$0.20/each \$1.00/each \$1.50/each
All Species		Logs salvaged below the high water levels of Reservoir Lakes and the Slocan, Kootenay, Mineral, Babine and Ootsa Lakes	\$0.25/m ³
All Species		Marine Beachcomb	\$0.70/m ³
All Species		Trees classified as "Dead Potential" on Cruise-based cutting authorities, except where the upset stumpage rate is calculated under section 6.2.1 and 7.5.1(7)	\$0.25/m ³
All Coniferous		For logs harvested from the following Research Forests: Alex Fraser (UBC), Aleza Lake (UBC and UNBC), College of New Caledonia (CNC), and Fort St. James (UNBC)	\$0.25/m ³
All Species		Firmwood Reject	NIL

¹ Special Forest Product as identified in section 94(3) of the *Act* and described in the *Scaling Manual*.

Forest District Specific

Description of Activity	Forest District	Reserve Stumpage Rate
New Crown land area disturbed for mining exploration trails, seismic lines ¹ , gas or oil well sites and right-of-way to well sites. ²	Rocky Mountain	\$2,015/ha
	Peace	\$1,030/ha
	Ft. Nelson	\$729/ha
	Mackenzie	\$1,244/ha

¹ The corresponding district reserve stumpage rate from the above table is adjusted according to the category of line clearing as follows:

Category 1 - no adjustment

Category 2 - 1/2 of the reserve stumpage rate

Category 3 - 1/3 of the reserve stumpage rate

The gross area for each category reported as new line on either; the Oil and Gas Commission's Geophysical Final Plan cover sheet or an As Cleared Plan is multiplied by the reserve stumpage rate as adjusted above (refer to Appendix V for category definitions).

² For pipe line rights-of-way a stumpage rate must be determined by using the above rates for cutting authorities containing 2 000 m³ or less, of merchantable coniferous volume. For pipe line rights-of-way cutting authorities greater than 2 000 m³ see section 6.7.

6.6.1 Miscellaneous Stumpage Rates for Timber Licences

Timber licence cutting authority areas that have not been appraised and have a cutting authority term that began before May 1, 1995, must be appraised effective April 1, 2003.

6.7 Linear Tenures

1. For this section:

“Linear tenures” means a licence to cut issued for:

- A right-of-way to a mine site, or
- A mining exploration trail in a district other than Fort Nelson, Peace, Mackenzie, Rocky Mountain, or
- A pipeline right-of-way where the volume of timber on the cutting authority area is greater than 2 000 cubic metres, or
- A pipeline right-of-way where the volume is 2 000 m³ or less in a district other than Fort Nelson, Peace, Mackenzie, or Rocky Mountain, or
- A hydro transmission line, or
- A highway right-of-way for a road administered by the *Ministry of Transportation*, or
- A forestry licence to cut issued under section 47.6(3) of the *Act* in conjunction with a BCTS road development contract, or
- A fence line or protection of a fence line administered by the ministry under the *Range Act*.

“Licensee” means the licensee who has been issued a linear tenure.

2. The stumpage rate for a linear tenure shall be **the stumpage rate prescribed in Table 6-3 for the smaller of the area of the Forest District, Timber Supply Area or Region in which the entire cutting authority area for the linear tenure is located.**
3. The costs of roads constructed on the cutting authority area for a linear tenure are only eligible for inclusion as part of the development cost estimate in the licensee’s first fully appraised tributary cutting authority area if those cost were not used in a full appraisal under paragraph (4) of this section.
4. Notwithstanding any other paragraph in this section the stumpage rate for a linear tenure may be determined through a full appraisal using the best information available to the person who determines the stumpage rate.
5. A stumpage rate determined under this section shall be fixed for the term of the linear tenure and all extensions.

6.8 Controlled Recreation Areas (CRAs)

1. The sawlog stumpage rate for coniferous timber harvested under any cutting authority issued for a cutting authority area within a CRA is the stumpage rate approved by the Director for each quarter.
2. The stumpage rate determined under this section is redetermined on the anniversary date of the cutting authority in accordance with this section.
3. Notwithstanding any other paragraph in this section, the stumpage rate may be determined through a full appraisal.

6.9 Cruise Based Stumpage Calculations

1. Pursuant to section 106 of the *Forest Act*, and subject to subsection 2 of this section, the amount of stumpage payable on crown timber will be calculated using information provided by a cruise of the timber before it is cut where the timber is authorized for harvest:
 - a. Under a cutting authority issued or entered into prior to June 1, 2010 where:
 - i. the stumpage rate is adjustable,
 - ii. the net merchantable volume of timber on the cutting authority area is comprised of 35% or more red and grey Mountain Pine Beetle (MPB) attacked Lodgepole pine, and
 - iii. timber harvesting has not started on the cutting authority, or,
 - b. Under a cutting authority issued or entered into on or after June 1, 2010 where:
 - i. the stumpage rate is adjustable,
 - ii. The licensee applied for a cutting permit and submitted an appraisal data submission to the District Manager before June 1, 2010, and,
 - iii. The net merchantable volume of timber on the cutting authority area is comprised of 35% or more red and grey MPB attacked Lodgepole pine, or,
 - c. Under a cutting authority issued or entered into on or after June 1, 2010 where:
 - i. the licensee submitted an appraisal data submission to the District Manager on or after June 1, 2010, and
 - ii. the net merchantable volume in each cutblock within the cutting authority area is comprised of 35% or more red and grey MPB attacked Lodgepole pine, or,
 - d. Is authorized for harvest under a timber sale licence with a fixed stumpage rate, which meets the criteria set out in the Memorandum of Understanding between the former Revenue Branch and BC Timber Sales dated January 6, 2010 as it may be amended from time to time, and the calculation of the stumpage payable using information provided by a cruise is approved by the Executive Director, Field Operations, or
 - e. Is authorized for harvest under a cutting authority for which a timber mark listed in Table 6-7 has been issued and timber harvesting has not started.
2. This section does not apply to timber authorized for harvest under a cutting authority entered into under section 21 of the *Act* as that section was before it was repealed that provides for the issuance of cutting permits.

Table 6-7 Timber Marks for Existing Cutting Authorities Converting to Cruise Based June 1, 2010

Mark	Mark	Mark	Mark	Mark
78381	CA6003	CZ5433	EE7549	EM5548
86036	CA6006	CZ5602	EE9843	EM5549
86926	CA7435	CZ5605	EE9887	EM5704
85394	CA8005	CZ5700	EE9889	EM5707
86846	CE2002	CZ5814	EG2768	EM5709
18/291	CE2006	CZ5824	EG3809	EM8324
18/701	CE2008	CZ599U	EG3813	EM8773
18/702	CE3003	CZ6801	EG4794	EM8785
49/637	CE3005	CZ6803	EG5820	EM8794
49/710	CE3009	DC500E	EG5847	EU3614
49/718	CF4815	ED1545	EG6127	FA9102
52/155	CF4893	ED1557	EG7110	FG1J15
52/158	CF4894	ED2523	EG7111	FH3C04
52/1F	CF4895	ED2524	EG7112	FH3C08
52/236	CF4897	ED2525	EG7783	FH3C22
52/311	CF4898	ED2528	EG7806	FJ372A
AJ2817	CF4899	ED2530	EH306B	FJ3B81
AN5010	CJ8100	ED2543	EJ1012	FJ3B82
AP6002	CJ8102	ED3309	EJ2150	FJ3C26
AP6003	CJ8107	ED3310	EJ2155	FJ3C42
AP6007	CJ8109	EE1451	EJ2352	FJ3S55
AP6604	CJ8110	EE1460	EJ2657	FJ3S68
AP6811	CJ8200	EE1474	EJ3U98	FJ3S84
AP6819	CJ8201	EE1818	EJ3V56	FJ3T14
AS4105	CK1429	EE1865	EJ3V58	FJ3V76
AY4003	CK2100	EE1868	EJ3V62	FJ3V77
BB7007	CK2225	EE1869	EJ3V67	GB3118
BJ4845	CK2226	EE6228	EJ7322	GB3119
BJ5519	CK2603	EE6229	EM2264	WASZFF
BK2302	CK2825	EE6230	EM2330	WBFCD
BL1430	CT2601	EE7287	EM4347	WBFCEE
BN700G	CU9001	EH3268	FG1A67	FJ371E
BU9011	ED1546	EJ3V55	FG1A72	FJ3S80
CD2277	ED3323	EM8798	FG1A77	FJ3S85

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