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Minister's Office

MEMORANDUM

File: 280-30

December 31, 2007

To: Interior Regional Managers

From: The Honourable Rich Coleman
Minister of Forests and Range

Re: **Amendment No. 3 to the *Interior Appraisal Manual (IAM)***

I hereby approve Amendment No. 3 to the *Interior Appraisal Manual* and attach a copy for your use. The following section has been amended:

Section 6.3.1 To facilitate the harvest of bark beetle killed timber from Woodlot Licences within the North Central Zone this winter, the procedure to determine the stumpage rates for salvage cutting permits is changed. The procedure expires on April 15, 2008.



This amendment will come into force on January 1, 2008. Further amendments or revisions to this manual require my approval.



Rich Coleman
Minister

pc: Murray Stech, Director



Ministry of
Forests
and Range



MANUAL REVISION TRANSMITTAL

<p>FOR FURTHER INFORMATION OR IF YOU HAVE A CHANGE OF ADDRESS, PLEASE CONTACT:</p> <p>Bob Bull Senior Timber Pricing Forester (Interior) Revenue Branch Ministry of Forests 6th Floor - 727 Fisgard Street Victoria, BC V8W 1R8 Phone: 356-7709 PROFS userid: Bob.Bull@gov.bc.ca FAX: 387-5670</p>	MANUAL TITLE	
	Interior Appraisal Manual	
	AMENDMENT	ISSUE DATE
	Amendment No. 3	January 1, 2008
MANUAL CO-ORDINATOR		
Judy Laton Manuals Co-ordinator		
AUTHORIZATION (Name, Title)		
W. Howard Director, Revenue 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	Table of Contents	iii - iv	After Table of Contents Tab
Insert		iii - iv	
Remove	Chapter 6	7 - 16	After Chapter 6 Tab
Insert		7 - 16	
Remove	Index	1 - 4	After Index Tab
Insert		1 - 4	
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located in the larger of the area of the same forest district or the area of the same timber supply area in which the road permit cutting authority area is located.

3. If there are no records from which the weighted average sawlog stumpage rate may be determined under paragraphs a, b or c of subsection 2 of this section, then the stumpage rate, subject to section 6.2(1)(b), is the rate in Table 6-1 for the forest zone in which the road permit cutting authority area is located.
4. a. In paragraph (a) of subsection (2) of this section, the weighted average sawlog stumpage rate that is in effect for the period between June 1 of one year in this subsection hereinafter referred to as the first year, and May 31 of the following year is determined as follows:

$$\$/\text{m}^3 = \frac{(\text{sum of Grade 1 value billed}) + (\text{sum of Grade 2 value billed})}{(\text{sum of Grade 1 volume billed}) + (\text{sum of Grade 2 volume billed})}$$

- b. Volumes and values in the formula above are taken from the billing records of Revenue Branch for coniferous sawlogs during the 12-month billing period ending on March 31 in the first year, if the volume of those coniferous sawlogs is greater than 500 cubic metres.
5. a. In paragraphs (b) and (c) of subsection (2) of this section, the weighted average sawlog stumpage rate that is in effect for the period between June 1 of one year in this subsection hereinafter referred to as the first year, and May 31 of the following year is determined as follows:

$$\$/\text{m}^3 = \frac{(\text{sum of Grade 1 value billed}) + (\text{sum of Grade 2 value billed})}{(\text{sum of Grade 1 volume billed}) + (\text{sum of Grade 2 volume billed})}$$

- b. Volumes and values in the formula above are taken from the billing records of Revenue Branch for coniferous sawlogs during the 12-month billing period ending on March 31 in the first year, if the volume of those coniferous sawlogs is greater than 500 cubic metres.
6. 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.
7. 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.
8. The costs of roads constructed 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).

6.3.1 Blanket Salvage Cutting 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 provided in subsection 3 or subsection 6 of this section the stumpage rate for a blanket salvage cutting permit shall be the weighted average sawlog stumpage rate for:
 - a. all the cutting authorities other than blanket salvage cutting permits, that authorize the harvesting of timber in the same forest district as is the land in which the blanket salvage permit cutting authority area is located, and that have been issued under the same licence, or
 - b. if the licence permitting the granting of the blanket salvage permit has an allowable annual cut of 3 000 m³ or more per year, and there are no records from which the weighted average sawlog stumpage rate may be determined under:
 - i. paragraph (a), then all the cutting authorities, other than blanket salvage permits, that authorize the harvesting of timber on land located in the smaller of the area of the same forest district or the area of the same timber supply area in which the blanket salvage permit cutting authority area is located, or
 - ii. paragraphs (a) or (b)(i), then all the cutting authorities, other than blanket salvage permits, that authorize the harvesting of timber on land located in the larger of the area of the same forest district or the area of the same timber supply area in which the blanket salvage permit cutting authority area is located, or
 - c. if the licence permitting the granting of the blanket salvage permit has an allowable annual cut of less than 3 000 m³ per year, and there are no records from which the weighted average sawlog stumpage rate may be determined under:
 - i. paragraph (a), then all of the cutting authorities, other than blanket salvage permits, that are for licences that have an allowable annual cut of less than 3 000 m³ in the smaller of the area of the same forest district or the area of the same timber supply area in which the blanket salvage permit cutting authority area is located, or
 - ii. paragraphs (a) or (c)(i), then all of the cutting authorities, other than blanket salvage permits, that are for licences that have an allowable annual cut of less than 3 000 m³ in the larger of the area of the same forest district or the area of the same timber supply area in which the blanket salvage permit cutting authority area is located, or
 - iii. paragraphs (a), (c)(i) or (c)(ii) then all the cutting authorities, other than blanket salvage permits, that authorize the harvesting of timber on land located in the smaller of the area of the same forest district or the area of

the same timber supply area in which the blanket salvage permit cutting authority area is located, or

- iv. paragraphs (a), (c)(i), (c)(ii), or (c)(iii) then all of the cutting authorities, other than blanket salvage permits, that authorize the harvesting of timber on land located in the larger of the area of the same forest district or the area of the same timber supply area in which the blanket salvage permit cutting authority area is located.
3. If there are no records from which the weighted average sawlog stumpage rate may be determined under paragraphs a, b or c of subsection 2, then the stumpage rate must be the determined, subject to section 6.2(1)(b), using Table 6-1 for the forest zone in which the blanket salvage cutting authority area is located.
 4. a. In paragraph (a) of subsection (2) of this section, the weighted average sawlog stumpage rate that is in effect for the period between August 1 of one year in this subsection hereinafter referred to as the first year, and July 31 of the following year is determined as follows:

$$\$/m^3 = \frac{(\text{sum of Grade 1 value billed}) + (\text{sum of Grade 2 value billed})}{(\text{sum of Grade 1 volume billed}) + (\text{sum of Grade 2 volume billed})}$$

- b. Volumes and values in the formula above are taken from the billing records of Revenue Branch for coniferous sawlogs during the 12-month billing period ending on March 31 in the first year, if the volume of those coniferous sawlogs is greater than 500 cubic metres.
5. a. In paragraphs (b) and (c) of subsection (2) of this section, the weighted average sawlog stumpage rate that is in effect for the period between August 1 of one year in this subsection hereinafter referred to as the first year, and July 31 of the following year is determined as follows:

$$\$/m^3 = \frac{(\text{sum of Grade 1 value billed}) + (\text{sum of Grade 2 value billed})}{(\text{sum of Grade 1 volume billed}) + (\text{sum of Grade 2 volume billed})}$$

- b. Volumes and values in the formula above are taken from the billing records of Revenue Branch for coniferous sawlogs during the 12-month billing period ending on March 31 in the first year, if the volume of those coniferous sawlogs is greater than 500 cubic metres.
6. a. Subject to paragraphs (b) and (c) of this subsection, the sawlog stumpage rate for each species of timber harvested under a woodlot blanket salvage permit in the North Central Zone as defined by section 6.1(1)(a), will be thirty-five percent of the sawlog stumpage rate in Table 6-1 for that species.
 - b. The stumpage rate must not be lower than the prescribed minimum stumpage rate.
 - c. This subsection expires on April 15, 2008.

7. 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 1 hectare.
 - 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 1 hectare.
 - 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 Appendix VI, the stumpage rate will be fixed for one year from the effective date of the stumpage rate. The stumpage rate will be redetermined annually in accordance with the procedure in this section.
5. Where salvaged timber is damaged timber,
- the stumpage rate for each species of the salvaged timber will be determined using the schedule of Sawlog Stumpage Rates for Salvage of Damaged Timber by Forest Zone and Species found in Table 6-2.
 - effective April 1, 2007, where the licensee 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 the sum of rate determined under paragraph (a) of this subsection and the silviculture levy determined under section 5.6.4.
6. Where the source of the salvaged timber is post harvest material, the stumpage rate for each species of timber will be determined using the schedule of Sawlog Stumpage Rates of Post Harvest Material by Forest Zone and Species found in Table 6-3.
7. Where a species of timber is not listed in Table 6-2 and 6-3, the rate that shall be used for that species of timber is the rate listed in the column headed as OTHER.

Table 6-2 Average Sawlog Stumpage Rates for Salvage of Damaged Timber by Forest Zone and Species (\$/m³)

FOREST ZONE	BALSAM	CEDAR	FIR	HEMLOCK	LARCH	L. PINE	Y. PINE	SPRUCE	OTHER
North Central	13.97	16.46	20.89	11.24	-	15.76	-	21.48	13.06
North West	2.95	4.34	-	3.15	-	6.28	-	5.46	3.26
South East	9.60	9.64	12.11	4.26	10.02	12.90	9.92	14.80	9.35
South West	10.55	11.40	13.27	5.28	18.35	12.18	14.54	15.75	9.80
North East	4.32	-	-	-	9.52	8.20	-	11.65	7.14

Table 6-3 Average Sawlog Stumpage Rates for Salvage of Post Harvest Material by Forest Zone and Species (\$/m³)

FOREST ZONE	BALSAM	CEDAR	FIR	HEMLOCK	LARCH	L. PINE	Y. PINE	SPRUCE	OTHER
North Central	5.82	14.63	11.60	4.68	-	10.51	-	11.94	5.44
North West	1.23	3.86	-	1.31	-	4.19	-	3.04	1.36
South East	4.00	8.57	6.73	1.77	5.57	8.60	6.61	8.22	3.89
South West	4.40	10.13	7.37	2.20	10.19	8.12	9.70	8.75	4.08
North East	1.80	-	-	-	5.29	5.47	-	6.47	2.97

6.5 Partially Harvested Timber

Where decked timber, or timber which has been felled and bucked, such as on right-of-way, is sold without competition; and where the volume exceeds 300 m³, a full cost estimate appraisal is completed upon an "as is, where is" basis.

Phase costs may be based on borrowed data from a representative cutting permit, adjusted for partial phase.

If the timber volume is being sold competitively, the timber may be priced according to the procedures in section 6.2, or for BCTS, sections 6.2(3) or 7.5.1(4).

6.6 Miscellaneous Stumpage Rates

1. 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 6-4 are as prescribed in that table.

Table 6-4 Miscellaneous Stumpage Rates*All Interior Forest Regions*

Species	Code	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		Grades: 4 and 6	\$0.25/m ³
Deciduous Species		All, except grades 4 and 6 and except where the MPS upset stumpage rate is calculated under Section 7.5.1 (5)	\$0.50/m ³
All Species		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	\$0.25/m ³
All Coniferous		For logs harvested from the Alex Fraser (UBC), Aleza Lake (UBC and UNBC) and Fort St. James (UNBC) Research Forests	\$0.25/m ³
All Species		Firmwood Reject	NIL

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	\$2,268/ha
	Peace	\$1,956/ha
	Ft. Nelson	\$1,096/ha
	Mackenzie	\$1,904/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 6.2.

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.

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