



Ref: 246950

April 23, 2019

To: Interior Executive Directors

From: Honourable Doug Donaldson, Ministry of Lands, Natural Resource Operations and Rural Development

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

The following sections have been amended:

Chapter 6 – Updated Tabular Sawlog Stumpage Rates

The regular semi-annual updates of tabular rates (tables 6-1, 6-2, 6-3, 6-4, 6-4a and 6-5). These rates apply to woodlot, community forest, blanket salvage or licence-to-cut cutting authorities issued on or after the update date.

Appendix VI – Appraisal Log Dumps

The Centennial log dump is added.

This amendment will come into force on May 1, 2019. Copies of the amendment and the amended IAM are available at the following link:

<http://www2.gov.bc.ca/gov/content/industry/forestry/competitive-forest-industry/timber-pricing/interior-timber-pricing/interior-appraisal-manual>

Further amendments or revisions to this manual require my approval.

Doug Donaldson
Minister

pc Jim Schafthuizen, A/Executive Director, Forest Policy and Indigenous Relations Division
Allan Bennett, Director, Timber Pricing Branch
Bruce Sullivan, Revenue Officer, Regional Operations Division - South Area
Darius Low, Revenue Team Lead, Regional Operations Division – North Area

TIMBER PRICING BRANCH

Interior Appraisal Manual

Effective July 1, 2018

Cost Base of: 2016

Includes Amendments

Amendment No. 1

Amendment No. 2

Amendment No. 3

Effective Date

August 15, 2018

November 1, 2018

May 1, 2019



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6 Miscellaneous Policies

6.1 Coniferous Average Sawlog Stumpage Rates by Forest Zone and Species

1. Each of the following forest zones referred to in Tables 6-1, 6-2, 6-4, 6-4a, 6-5 and 6-6 is made up of the following forest districts and or geographic units:
 - a. North Central Zone - Mackenzie, Nadina, Prince George (less Robson Valley TSA), Quesnel and Stuart Nechako.
 - b. North East Zone - Fort Nelson and Peace.
 - c. North West Zone - Coast Mountain (excluding that portion that lies geographically within the North Coast Timber Supply Area), Skeena Stikine.
 - d. South Central Zone – Williams Lake TSA Blocks A, B, C, D, E & I.
 - e. South East Zone - Okanagan Shuswap, Rocky Mountain, Selkirk, and Thompson Rivers (plus Robson Valley TSA).
 - f. South West Zone - 100 Mile House, Cascades, and Williams Lake TSA Blocks F, G, H, and J to N.
2. Where a species of coniferous timber is not listed in Table 6-1, 6-2, 6-4, 6-4a and 6-5, the rate that must 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

FOREST ZONE	BALSAM	CEDAR	FIR	HEMLOCK	LARCH	L. PINE	SPRUCE	W. PINE	Y. PINE	OTHER ¹
North Central	34.95	-	46.48	36.52	-	31.63	35.24	-	-	35.09
North East	17.78	-	-	-	-	18.89	17.12	-	-	17.47
North West	9.30	8.42	-	5.50	-	28.21	21.64	-	-	12.36
South Central	11.44	-	14.14	-	-	10.61	10.42	-	-	12.03
South East	34.23	30.90	31.94	25.49	32.97	33.70	34.04	29.16	26.88	32.53
South West	37.26	36.71	30.76	34.87	28.98	30.44	38.48	36.48	-	33.13

¹ 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. Section 1.4.2, sections 6.1.2 through 6.5, commercial thinning in section 6.6, and sections 6.7 through 6.9 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 subsection (1), (2), and (3), when a cutting authority is issued for the specific purpose to include projects funded by the Forest Enhancement Society of BC, the stumpage rate must be determined through a full appraisal (“fully appraised”). Refer to section 6.11 for details regarding cutting authorities with FESBC funding.

6.1.2 Woodlot Licences

1. Except as provided in subsection (2) and (8) 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 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 the procedures in section 6.3.
5. The sawlog stumpage rate for each species of coniferous timber harvested under a blanket salvage cutting authority issued for a woodlot licence is the rate prescribed in Table 6-2 for the forest zone in which the blanket salvage cutting authority 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 1.4.2, 6.1.1, 6.1.3 through 6.5, commercial thinning and Pre-harvest Waste Assessment in section 6.6, and sections 6.7 through 6.9 do not apply to Woodlot Licence cutting authorities.
8. Notwithstanding subsection (1) through (7), when a cutting authority is issued for the specific purpose to include projects funded by the Forest Enhancement Society of BC, the stumpage rate must be determined through a full appraisal

(“fully appraised”). Refer to section 6.11 for details regarding cutting authorities with FESBC funding.

**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	W. PINE	Y. PINE	OTHER ¹
North Central	5.24	-	6.97	5.48	-	4.75	5.29	-	-	5.26
North East	2.67	-	-	-	-	2.83	2.57	-	-	2.62
North West	1.40	1.26	-	0.82	-	4.23	3.25	-	-	1.85
South Central	1.72	-	2.12	-	-	1.59	1.56	-	-	1.80
South East	5.13	4.64	4.79	3.82	4.95	5.05	5.11	4.37	4.03	4.88
South West	5.59	5.51	4.61	5.23	4.35	4.57	5.77	5.47	-	4.97

¹ Average for the Forest Zone

6.1.3 Incidental Conifer in Deciduous Leading Stands

1. Except as provided in section 5.1.1(6), this section applies to coniferous timber in a cutting authority area where the total estimated volume of all deciduous species to be harvested is greater than 70% of the total estimated volume of all species to be harvested.
2.
 - a. The stumpage rate for coniferous timber is the rate prescribed in Table 6-3 for the smaller of the area of the forest district/district portion, timber supply area, region, or Area in which the entire cutting authority area for the tenure 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 must be the sum of the rate determined under paragraph (a) of this subsection and the silviculture levy determined under section 5.3.
3. A stumpage rate determined under subsection 2 must be redetermined on June 1, of each year in accordance with this section.
4. Notwithstanding subsection (2) in this section, the stumpage rate may be determined through a full appraisal in accordance with chapters 1, 2, 3, 4, and 5.
5.
 - a. 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.
 - b. In this section the area of a Tree Farm Licence will be included in the area of the district or timber supply area in which it is geographically located.

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

Smallest Geographic Unit	\$/m3	Smallest Geographic Unit	\$/m3
North Area	29.15	South Area	32.80
Northeast Region	17.47	Cariboo Region	32.85
Fort Nelson District	15.84	100 Mile House District	29.46
Fort Nelson TSA	15.84	100 Mile House TSA	29.46
Peace District	17.47	Cariboo-Chilcotin District	33.44
Fort St. John TSA	15.84	Chilcotin (29 F,G,H,J,K,L,M,N)	36.13
Dawson Creek TSA	18.91	Central Cariboo (29 A,B,C,D,E,I)	12.03
Omineca Region	35.44	Quesnel District	35.07
Mackenzie District	27.18	Quesnel TSA	35.07
Mackenzie TSA	27.18	Cascadia Blocks 5,6,7,8	35.07
Prince George District	39.93	Kootenay/Boundary Region	31.75
Robson Valley TSA	18.64	Rocky Mountain District	32.34
Prince George (24 E,F,G,H,I)	40.94	Invermere TSA	34.28
Stuart Nechako District	34.47	Cranbrook TSA	30.42
Fort St James (24 A,B,C)	38.63	Selkirk District	31.46
Vanderhoof (24D)	19.71	Arrow TSA	31.30
Skeena Region	23.74	Boundary TSA	35.73
Coast Mountains District	2.01	Golden TSA	29.63
Nass TSA	1.65	Revelstoke TSA	13.53
Kalum TSA	1.42	Cascadia Blocks 1,2,3	31.30
Pacific TSA	13.95	Cascadia Block 4	13.53
Cascadia Blocks 9,10,11	1.42	Kootenay Lake TSA	35.17
Nadina District	32.41	Thompson/Okanagan Region	33.46
Morice TSA	33.91	Cascades District	32.96
Lakes TSA	20.40	Merritt TSA	39.13
Skeena Stikine District	24.13	Lillooet TSA	7.31
Bulkley TSA	28.71	Okanagan Shuswap District	33.14
Kispiox TSA	16.58	Okanagan TSA	33.14
Cassiar TSA	7.42	Thompson Rivers District	34.34
		Kamloops TSA	34.34

6.4 Salvage Timber Stumpage Rates

6.4.1 Post-Harvest Material or Damaged Timber

1. This section applies to cutting authorities issued under licences which do not have an allowable annual cut.
2. Post-Harvest Material is defined as:
 - a. wooden culverts and bridges, or
 - b. post logging residue.
3. Damaged Timber is defined as:
 - a. Trees that are dead or damaged as a result of wind, fire, snow press, drought, landslide, flooding; or
 - b. Trees as a result of the effects of forest pests or disease that are dead; or
 - c. Trees that require management and control of insect infestation or will die within one year (sanitation timber salvage), as determined by the district manager.
4. Except as provided in section 6.2.1(1)(c)(ii), 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. Cut block(s) must be less than or equal to 5 hectares in size; (unless the silviculture system used on the cut block is other than clear cutting, and at the completion of harvest the trees retained on the harvested area conform to the specifications in the Chief Forester's Reference Guide for Forest Development Plan Stocking Standards for the applicable silviculture system).
 - d. Salvage logging stumpage rates may only be determined for a cutting authority where more than one-third of the total estimated volume of coniferous timber to be harvested in the cutting authority area is damaged timber.
 - e. Post-Harvest Material 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.

- f. Salvage cannot occur on a road right-of-way which has an active timber mark associated with it.
- g. Except for a minister directed reappraisal (as provided in section 2.2.4), a stumpage rate determined under this section is fixed for the term of the cutting authority and all extensions.
5. a. The Damaged Timber sawlog stumpage rate for each species of coniferous timber is the rate in Table 6-4 or 6-4a for the Forest Zone in which the cutting authority area is located. The stumpage rates in Table 6-4a may be used when the:
- estimated total net coniferous volume of timber on each cutblock is comprised of 80% or more Burnt Timber¹ (Burnt timber means any trees that meet the definition of Fire Codes A, B or C as per the Cruising Manual), and
 - the burnt timber is evenly distributed throughout the cutblock(s).
- b. Where the Crown is responsible for basic silviculture on the cutting authority area, the stumpage rate for each species of coniferous timber must be the sum of the rate determined under paragraph (a) of this subsection and the silviculture levy determined under section 5.3.
- c. Notwithstanding paragraph (a), the stumpage rate for Damaged Timber may be determined through a full appraisal in accordance with chapters 1, 2, 3, 4 and 5.
6. The Post-Harvest Material sawlog stumpage rate for each species of coniferous timber is 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 in \$/m³

FOREST ZONE	BALSAM	CEDAR	FIR	HEMLOCK	LARCH	L. PINE	SPRUCE	W. PINE	Y. PINE	OTHER ¹
North Central	20.97	-	41.83	21.91	-	23.73	31.71	-	-	28.38
North East	10.67	-	-	-	-	14.17	15.41	-	-	14.95
North West	5.58	7.58	-	3.30	-	21.16	19.48	-	-	9.21
South Central	6.86	-	12.73	-	-	7.95	9.38	-	-	10.41
South East	20.54	27.81	28.74	15.29	29.67	25.27	30.63	21.87	20.16	27.16
South West	22.35	33.04	27.68	20.92	26.09	22.83	34.64	27.36	-	28.17

¹ Average for the Forest Zone

¹ Eighty (80) percent or more of the estimated total net coniferous volume defined as burnt timber in each cutblock, based on a professional estimate by a forest professional registered with the Association of BC Forest Professionals. The professional estimate must include a description and supporting information of how the estimate was generated.

Table 6-4a: Coniferous Average Sawlog Stumpage Rates for Salvage of Fire Damaged Timber in \$/m³

FOREST ZONE	BALSAM	CEDAR	FIR	HEMLOCK	LARCH	L. PINE	SPRUCE	W. PINE	Y. PINE	OTHER ¹
North Central	20.97	-	32.79	21.91	-	18.54	21.80	-	-	21.65
North East	6.32	-	-	-	-	7.04	6.39	-	-	6.51
North West	3.98	2.43	-	1.16	-	14.96	10.33	-	-	5.36
South Central	2.43	-	2.88	-	-	2.53	2.66	-	-	2.72
South East	20.54	18.12	18.47	12.87	19.30	20.17	20.51	16.15	12.88	19.13
South West	22.35	24.24	17.96	20.92	15.52	18.54	25.38	22.77	-	20.38

¹ Average for the Forest Zone

Table 6-5: Coniferous Average Sawlog Stumpage Rates for Salvage of Post-Harvest Material in \$/m³

FOREST ZONE	BALSAM	CEDAR	FIR	HEMLOCK	LARCH	L. PINE	SPRUCE	W. PINE	Y. PINE	OTHER ¹
North Central	8.74	-	23.24	9.13	-	15.82	17.62	-	-	15.28
North East	4.45	-	-	-	-	9.44	8.56	-	-	8.51
North West	2.33	6.74	-	1.37	-	14.10	10.82	-	-	5.07
South Central	2.86	-	7.07	-	-	5.30	5.21	-	-	5.87
South East	8.56	24.72	15.97	6.37	16.48	16.85	17.02	14.58	13.44	15.86
South West	9.31	29.37	15.38	8.72	14.49	15.22	19.24	18.24	-	15.94

¹ Average for the Forest Zone

6.4.2 Blanket Salvage Cutting Authorities

1. This section may apply to cutting authorities issued under licences with an allowable annual cut or maximum harvest volume; excluding Community Forest Agreements in section 6.1.1, Woodlots Licences in section 6.1.2, BCTS or any timber in the Research Forests noted in Table 6-7.
2. Cutblocks amended into blanket salvage cutting authorities prior to February 15, 2016, must use section 6.4.2 of this manual as it was prior to February 15, 2016.
3. Cutblocks amended into blanket salvage cutting authorities on or after February 15, 2016 must be consistent with the Deputy Minister Memo: *Harvesting under a Blanket Salvage Permit (For Interior Regions)* signed January 29, 2016, where the cutblocks must be:
 - a. less than or equal to 15 hectares in size and 5000 m³ in volume; (unless the silviculture system used on the cut block is other than clear cutting, and at the completion of harvest the trees retained on the harvested area conform to the stocking standards specified in an approved Forest Stewardship Plan); and
 - b. issued for purposes of harvesting damaged timber as defined in section 6.4.1 (3); and
 - c. consistent with *District Guidelines for Blanket Salvage Cutting Authorities*.

Appendix VI Appraisal Log Dumps

Area	District	Marine (M) Natural (N) or Reservoir (R)	Water Body Name	Dump Location Name
NORTH	Coast Mountain	M	Devastation Channel	Heysham Creek
NORTH	Coast Mountain	M	Devastation Channel	Hugh Creek
NORTH	Coast Mountain	M	Devastation Channel	North Kitsaway
NORTH	Coast Mountain	M	Devastation Channel	Pike/Sleeman
NORTH	Coast Mountain	M	Devastation Channel	South Kitsaway
NORTH	Coast Mountain	M	Douglas Channel	Miskatla
NORTH	Coast Mountain	M	Eagle Bay	Eagle Bay
NORTH	Coast Mountain	M	Gardner Canal	Barrie Creek
NORTH	Coast Mountain	M	Gardner Canal	Collins Bay
NORTH	Coast Mountain	M	Gardner Canal	Kemano Bay
NORTH	Coast Mountain	M	Kildala Arm	Dala River
NORTH	Coast Mountain	M	Kildala Arm	Falls River
NORTH	Coast Mountain	M	Kitimat Arm	Minette Bay
NORTH	Coast Mountain	M	Verney Passage	Cheenis Creek
NORTH	Mackenzie	R	Williston Lake	Bear Valley**
NORTH	Mackenzie	R	Williston Lake	Centennial**
NORTH	Mackenzie	R	Williston Lake	Chowika**
NORTH	Mackenzie	R	Williston Lake	Factor Ross
NORTH	Mackenzie	R	Williston Lake	Ingenika
NORTH	Mackenzie	R	Williston Lake	Manson**
NORTH	Mackenzie	R	Williston Lake	Mesilinka
NORTH	Mackenzie	R	Williston Lake	Omineca
NORTH	Mackenzie	R	Williston Lake	Ospika**
NORTH	Mackenzie	R	Williston Lake	Swannell
NORTH	Nadina	R	Knewstubb Lake	Ootsa Cheslatta
NORTH	Nadina	R	Knewstubb Lake	Ootsa Deerhorn
NORTH	Nadina	R	Knewstubb Lake	Table Bay
NORTH	Nadina	R	Knewstubb Lake	Tahtsa Reach
SOUTH	Okanagan Shuswap	N	Shuswap Lake	Lee Creek
SOUTH	Okanagan Shuswap	N	Shuswap Lake	2 Mile
SOUTH	Okanagan Shuswap	N	Shuswap Lake	Wilson Creek
SOUTH	Selkirk	R	Arrow Lakes	Cayuse
SOUTH	Selkirk	R	Arrow Lakes	Fosthall
SOUTH	Selkirk	R	Arrow Lakes	Halfway
SOUTH	Selkirk	R	Arrow Lakes	Island Point-Gladstone
SOUTH	Selkirk	R	Arrow Lakes	Needles
SOUTH	Selkirk	R	Arrow Lakes	Octopus
SOUTH	Selkirk	R	Arrow Lakes	Renata
SOUTH	Selkirk	R	Arrow Lakes	Shelter Bay
SOUTH	Selkirk	R	Arrow Lakes	Snag Bay

**Log Barge Water Transportation System

Area	District	Marine (M) Natural (N) or Reservoir (R)	Water Body Name	Dump Location Name
SOUTH	Selkirk	R	Arrow Lakes	Stobo
SOUTH	Selkirk	N	Slocan Lake	Rosebery
SOUTH	Thompson Rivers	N	Adams Lake	North end