

Ministry of Forests

Minister's Office MEMORANDUM

File: ARCS-00280-20/234222F

Ref: 269850

Date: April 28, 2022

To: Interior Executive Directors

From: Honourable Katrine Conroy, Minister of Forests

Re: Amendment No. 2 to the Interior Appraisal Manual

The main purpose of this amendment is to update the average sawlog stumpage rate tables. A few policy updates and administrative changes are also included.

This amendment will come into force on May 1, 2022. Copies of the amendment and the amended Interior Appraisal Manual 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.

Katrine Conroy

Minister

pc: Allan Bennett, Director, Timber Pricing Branch

Amanda Fouty, Director, Pricing and Tenures, Regional Operations Division, South Area

Shawn Rice, A/Director, Regional Operations Division, North Area

Darius Low, Revenue Team Lead, Regional Operations Division, North Area Bruce Sullivan, Revenue Officer, Regional Operations Division, South Area

TIMBER PRICING BRANCH

Interior Appraisal Manual

Effective July 1, 2021

Cost Base of: 2019

Includes Amendments

Amendment No. 1

Amendment No. 2

Effective Date

November 1, 2021

May 1, 2022



This manual is intended for the use of individuals or companies when conducting business with the British Columbia Government.

Permission is granted to reproduce it for such purposes. This manual and related documentation and publications are protected under the *Federal Copyright Act*. They may not be reproduced for sale or for other purposes without the express written permission of the Province of British Columbia.

Table of Contents

1	Intr	oduction	1-1
1.1	Defi	nitions	1-2
1.2		ms of Reference	
	1.2.1	Responsibility for Stumpage Determination	
	1.2.2	Stumpage Appraisal Parameters	
	1.2.3	Minimum Stumpage Rate	
	1.2.4	Numbering and Calculation	1-9
1.3	Poir	nt of Appraisal (POA)	
1.4	Full	y Appraised Cutting Authority Area	1-11
	1.4.1	Cutblocks	
	1.4.2	Maximum Area	1-11
	1.4.3	Cruise Based/Scale Based	1-11
	1.4.4	Transportation Route	1-11
	1.4.5	Harvest Method	1-13
1.5	App	oraisal Data Submission Requirements	1-14
	1.5.1	Cruise Information	1-14
	1.5.2	Appraisal Data Forms	1-15
	1.5.3	Appraisal Species	1-16
	1.5.4	Appraisal Map	1-16
	1.5.5	Documentation	1-16
2	App	oraisals, Reappraisals and Stumpage Adjustmen	nts 2-1
2.1	App	oraisals	2-2
	2.1.1	Appraisal Data Submission Process	2-2
2.2	Rea	ppraisals	2-3
	2.2.1	Reappraisal Data Submissions	2-3
	2.2.2	Changed Circumstances	2-3
	2.2.3	Suddenly and Severely Damaged Timber	2-6
	2.2.4	Minister's Direction	2-6
	2.2.5	Insect Damage	2-6

2	2.2.6	Compilation Version	2-8
2	2.2.7	Unsuitable Transportation Route (UTR)	2-8
2.3	Stur	npage Adjustments	2-9
2.4	Cor	rectable Errors	2-10
2.5	Red	etermination of Stumpage Rate by Agreement	2-11
2.6	Post	-Harvest Appraisal Reconciliation	2-12
_			
3	Fina	al Estimated Winning Bid	3-1
3.1	Esti	mated Winning Bid Equation	3-2
3.2	Esti	mated Winning Bid Variables	3-3
3	3.2.1	Consumer Price Index (CPI)	3-3
3	3.2.2	Real Stand Selling Price (RSP)	3-3
3	3.2.3	Cedar (CE)	3-4
3	3.2.4	Hemlock and Balsam (HE and BA)	3-4
3	3.2.5	Larch and Yellow Pine (LA and YE)	3-4
3	3.2.6	Dry Belt Fir and Yellow Pine (DRY_BELT and FIYE)	3-4
3	3.2.7	Cable Harvest Method (CABLE)	3-4
3	3.2.8	Average Conifer Volume (VOL)	3-5
3	3.2.9	Conifer Decay (DECAY)	3-5
3	3.2.10	Fire Damage (FIRE)	3-6
3	3.2.11	Volume per Tree (VPT)	3-6
3	3.2.12	Conifer Volume Per Hectare	3-6
3	3.2.13	Cycle Time (CYCLE)	3-6
3	3.2.14	Fort Nelson – Peace Selling Price Zone (ZONE_9)	3-8
3	3.2.15	Deciduous Volume (DECID)	3-8
3	3.2.16	Cruise Based Cutting Authority with <35% MPB (CB)	3-8
3	3.2.17	Cruise Based Cutting Authority with >35% MPB (CB)	3-8
3	3.2.18	Latest Auction Year (AUCTION_YEAR)	3-8
3	3.2.19	Grey Attack MPB (GREY)	3-8
3	3.2.20	Ground Skidding Harvest Method (GS)	3-8
3	3.2.21	Decked Timber (DECK)	3-9
3	3.2.22	Average Number of Bidders (DANB)	3-9
3	3.2.23	Partial Cut Harvest Method (PC)	3-10

- 3. The volume that is manufactured to Canadian Lumber Standard/American Lumber Standards (CLS/ALS) is in foot board measure (fbm). Volume that is manufactured to non-CLS/ALS sizes are adjusted to equivalent CLS/ALS sizes.
- 4. If there is insufficient data reported, the lumber AMV for a species or species group may be determined using an alternate procedure approved by the director.

1.2.3 Minimum Stumpage Rate

1. A stumpage rate or an upset determined using this manual must not be less than the prescribed minimum stumpage rate.

1.2.4 Numbering and Calculation

1. The following exemplifies the numbering system used in this manual:

```
1. = Chapter

1.1 or 1.1.1 = Section

1.1.1(2) = Section with subsection

1.1.1(2)(a) = Section with subsection and paragraph

Table 4-2 = Table 2 within chapter 4
```

- 2. Unless otherwise specified in this manual, where a value is specified as a limit, for example a constraint or a requirement for an equation,
 - a. the value will be treated as an absolute value, and
 - b. an actual measurement or record will not be rounded before use.
- 3. Each calculation of a tenure obligation adjustment or specified operation expressed in dollars per cubic metre will be rounded to the nearest cent.

1.3 Point of Appraisal (POA)

- 1. The POA used in an appraisal is the POA for the appraised Transportation Route determined under section 1.4.4.
- 2. The POAs that may be considered for use in the appraisal are set out in Table 1-1 unless:
 - a. the last remaining milling facility associated with the POA is permanently rendered incapable of producing lumber and chips and a minimum of three years has passed since the mill stopped producing; or
 - b. eight years has passed since the mill stopped producing; or
 - c. the appraisal effective date is past the expiry date for that POA indicated in subsection (4) of this section.
- 3. For the purposes of subsection (2)(a), permanently rendered incapable means the equipment required to produce lumber and chips has either been destroyed or permanently removed from the site.
- 4. The following Point of Appraisal will expire on the date indicated; Chasm (June 30, 2022); Isle Pierre (June 30, 2023); Kelowna (June 30, 2022); Vavenby (June 30, 2022).
- 5. The selling price zone used in an appraisal is the Zone indicated in Table 1-1 for the point of appraisal; except for determining the Conifer Zonal Volume (as provided in Table 3-2).

Table 1-1: Points of Appraisal

Zone 5	Zone 6	Zone 7		Zone 8	Zone 9
(Northern	(Skeena)	(Souther	n Interior)	(South	(Fort Nelson-
Interior)				Cariboo)	Peace)
Bear Lake Burns Lake Engen Fort St. James Fraser Lake Houston Isle Pierre Mackenzie Prince George Quesnel Smithers Strathnaver Vanderhoof	Terrace	Adams Lake Armstrong Castlegar Creston Elko Galloway Grand Forks Kelowna Lavington Merritt	Midway Princeton Radium Revelstoke Thrums Vavenby Westbank Ymir	100 Mile House Chasm Williams Lake	Fort St. John Chetwynd

1.4 Fully Appraised Cutting Authority Area

1.4.1 Cutblocks

- 1. Each cutblock in a cutting authority must be
 - a. a single unit; and
 - b. contained entirely within the geographic boundary of a forest district.

1.4.2 Maximum Area

1. A cutting authority area must be within a polygon smaller than 7,850 hectares formed by straight lines around the furthest boundaries of the furthest cutblocks (see example in Figure 1); excluding the area of the polygon not in the Timber Harvesting Land Base (THLB).

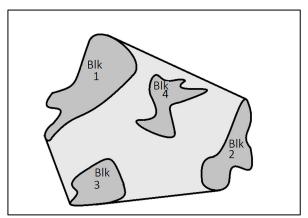


Figure 1: Example of polygon enclosing four blocks in a cutting authority.

1.4.3 Cruise Based/Scale Based

- 1. A cutting authority must be made up of cutblock(s) where
 - a. each cutblock has 35% or more red and grey MPB attacked Lodgepole pine¹; or
 - b. each cutblock has less than 35% red and grey MPB attacked Lodgepole pine¹.

1.4.4 Transportation Route

- 1. A cutting authority must be made up of cutblock(s) where the transportation route of each cutblock is to a common POA.
- 2. The collection of transportation routes in (1) cannot include more than one type of water transportation system.

_

¹ Net Merchantable Volume as indicated in the appraisal summary report from the cruise compilation.

3. For cutblocks located in an area with water transportation systems available, the transportation route in subsection (1) means the route with the lowest transportation cost (TC) by cutblock, using the appraisal log dump with the shortest cycle time from the cutblock, and using the following equation:

 $TC = [1.735 * (CYCLE + (0.5 * CYCLE_INC6)) * CPIF] + [SOs * (CPI/ACPI)]$

Where

CYCLE = as defined in section 3.2.13.

CYCLE_INC6 = CYCLE (calculated above) -6.0 hours. If < 0, then 0.

SOs = the sum of the water transportation system specified operations

costs from section 3.3.1 (surface tow system or log barge system as indicated by the appraisal log dump location in Appendix VI)

that apply to the route.

CPI = as defined in section 3.2.1

ACPI = as defined in section 3.4

CPIF = as defined in section 3.2.1

- 4. For cutting authorities other than those in subsection (3), the transportation route in subsection (1) means the route with the shortest cycle time (excluding barge delays) calculated using the procedure in subsection 3.2.13.
- 5. A transportation route must be:
 - a. a route suitable for the transportation of logs at the time of the submission of the original appraisal in ECAS; or
 - b. a route that will become suitable with development projects (including amortized development) submitted in the appraisal and meet the provisions in this manual.

1.4.4.1 Unsuitable Transportation Route

- 1. The district manager may deem a transportation route unsuitable in his or her district if satisfied that one or more of the following conditions would prevent the use of the transportation route.
 - a. In the case of a road section or bridge,
 - the road section or bridge has become impassable to logging trucks and the condition of impassibility is unrelated to lack of use or maintenance of roads under road permit obligations of any licensee, and is expected to persist for at least one year; or

- ii. the road section was originally designed for favorable hauling and has since become available for adverse hauling but is inappropriate for industrial traffic use; or
- iii. the road section is restricted or inappropriate for industrial traffic use.
- b. In the case of an Appraisal Log Dump, the log dump site has no authorizations in place for the use of the site for water transportation of logs, and reclamation of the site is complete.
- 2. A determination made in subsection (1) is in effect from the date the district manager deems the route unsuitable.
- 3. The district manager must revoke a determination made in subsection (1) when of the opinion that the condition(s) that led to the determination have ceased to exist. A determination is subsection (1) expires on the date the district manager deems the route suitable again.

1.4.5 Harvest Method

- 1. The licensee must submit, and the person determining the stumpage rate must use, the harvest method(s) suitable for the site conditions and that produces the highest stumpage rate in an appraisal.
- 2. For non-conventional harvest methods submitted in an appraisal, the person determining the stumpage rate may request a rationale explaining why the site conditions require a higher cost method. Site conditions may be physical features, terrain stability or visual quality objectives that prevent the use of conventional harvest methods.

1.5 Appraisal Data Submission Requirements

1.5.1 Cruise Information

- 1. Unless otherwise specified by the director, cruise data must be gathered and compiled according to the approved interior standard timber merchantability specifications in Table 1-2 below and in accordance with the following Ministry publications:
 - a. *Cruising Manual* at the following web site:

http://www2.gov.bc.ca/gov/content/industry/forestry/competitive-forest-industry/timber-pricing/timber-cruising/timber-cruising-manual

b. Cruise Compilation Manual at the following web site:

http://www2.gov.bc.ca/gov/content/industry/forestry/competitive-forest-industry/timber-pricing/timber-cruising/cruise-compilation-manual

- 2. When cruise information is submitted to the district manager or the regional manager to determine a stumpage rate or an upset stumpage rate, that information must include:
 - a. the Cruise Compilation Report;
 - b. the ASCII data files (if applicable, also the percent reduction ASCII file);
 - c. the CSV (if applicable, also the percent reduction CSV file) for appraisals submitted on or after November 1, 2013, when the cruise was compiled using the 2014.00 or later version of the approved cruise compilation program; and
 - d. a detailed description of the leave tree characteristics.
- 3. When requested by the district manager, a copy of the original field data must be supplied by the licensee.

Table 1-2: Interior Timber Merchantability Specifications

The following standard timber merchantability specifications must be used for all a	ppraisals.
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 all other species: all timber that meets or exceeds	15.0 cm 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 for cedar older than 141 years, all timber that meets or exceeds	10.0 cm 15.0 cm
Minimum Length log or slab	3.0 m

2.2 Reappraisals

- 1. This section applies to fully appraised cutting authorities effective on or after April 1, 2017 (for fully appraised cutting authorities effective prior to this date use section 2.2 as it was prior to April 1, 2017).
- 2. Where the policies and procedures in this manual require a reappraisal, the stumpage rate must be determined in accordance with the policies and procedures that are or were in effect, as the case may be, on the effective date of the reappraisal.
- 3. A reappraisal is a complete reassessment of the cutting authority on the effective date of the reappraisal, with the exception of a reappraisal directed by the Minister (section 2.2.4), an insect damage reappraisal (section 2.2.5), a compilation version reappraisal (section 2.2.6), or an unsuitable transportation route reappraisal (section 2.2.7).
- 4. A reappraisal may not be used to change the appraisal from a full appraisal to a tabular stumpage rate (chapter 6) or vice versa.
- 5. If a cutting authority is reappraised, any bonus bid or bonus offer in existence does not change and remains in effect.

2.2.1 Reappraisal Data Submissions

- 1. If a reappraisal is required, a licensee representative must submit an ADS to the district manager, and the appraisal data submission process (section 2.1.1 (b) to (g)) must be followed.
- 2. A changed circumstances reappraisal must only be submitted after the completion of primary harvesting activities.

2.2.2 Changed Circumstances

- 1. This section applies to all fully appraised adjustable rate cutting authorities.
- 2. A changed circumstance means a circumstance where:
 - a. the operations used or carried out on a cutting authority area are different from what was identified in the original appraisal. These changes in operations include:
 - i. a change in **Point of Appraisal** due to a shorter transportation route (or in the case of section 1.4.4 (3) a lower cost transportation route) becoming available with development projects submitted in another appraisal data submission by the same licensee, prior to the completion of primary harvesting activities; or
 - ii. a change in **harvest method(s)** that exceeds the greater of 1000 m³ or 10% of the total net cruise volume. If the change is to a higher cost harvest method, the licensee submitter must include a rationale to explain why the change is required; or

- iii. a change in **development** that exceeds the greater of \$5,000 or 3% of the total development cost estimate in the original appraisal recalculated under chapter 4, on the basis of the development work actually carried out, to the extent this development is in accordance with chapter 4; or
 - aa. a licensee representative may choose to submit a changed circumstance reappraisal in paragraph (iii) to re-estimate only the development costs in the original appraisal if it does not meet the minimum change requirement; or
- iv. a change in the special transportation specified operation; or
- v. a change in the **root disease** control treatment area that exceeds the greater of 3 hectares or 3% of the total treatment area, or
- vi. a change in the **skyline harvest** area that exceeds the greater of 3 hectares or 3% of the total skyline harvest area; or
- vii. a change in the appraised **water transportation** route because a change in the water level rendered a log dump unfeasible; or
- viii. a change in the appraised enhanced silviculture treatment area; or
 - ix. a change where **camp** was indicated in the original appraisal data submission and did not meet the criteria in section 3.2.30, or vise-versa; or
 - x. a change in the uneven-aged forest management specified operation; or
- b. the cutting authority harvest area is different from what was used in the original appraisal. These changes include:
 - i. an absolute¹ change in **harvest area** that exceeds the greater of 5 hectares or 5% from an original appraisal for a **scale based** cutting authority; or
 - ii. an absolute¹ change in **harvest area** that exceeds 3 hectares from an original appraisal for a **cruise based** cutting authority.
 - aa. For cruise-based billing purposes in subsection (2)(b)(ii) the harvest area must only be changed to reflect the new harvest area when the harvest area has decreased and the cutting authority has been amended, or the harvest area has increased.
- c. the cutting authority harvest area is different from what was used in the original appraisal and amended for one or both of the following reasons:
 - i. a **timber damaging event** where trees are damaged as a result of a major wind or ice (>20 ha), wildfire or landslide; or
 - ii. a licence holder voluntarily defers harvest area within the Old Growth Technical Advisory Panel Priority Deferral Areas (https://catalogue.data.gov.bc.ca/dataset/old-growth-technical-advisory-panel-tap-priority-deferral-areas/resource/47333f4e-1c84-4bb5-b3fe-6031fa78de20).

¹Measured as the absolute change, e.g. an addition of 5 hectares and the subtraction of 5 different hectares is a 10-hectare change for the purposes of this section.

Notwithstanding subsection 2.2 (1) and (2) and 4.3.1(3) and (7), a cutting authority issued July 31, 2005 or later may be reappraised under this subsection and include non-tributary development projects required to access timber in the original cutting authority if construction started prior to the cutting authority amendment.

- d. the cutting authority **reserve area** or **leave tree characteristics** are different from what was used in the original appraisal. These changes include:
 - i. for cutting authorities issued July 1, 2019 or later, an absolute¹ change in the reserve area(s); or
 - ii. for cutting authorities issued May 1, 2020 or later, a change in the leave tree characteristics.
- 3. A licensee representative must submit a certified changed circumstance reappraisal data submission; or certify that no changed circumstances have occurred since the original appraisal no later than 180 days after the completion of primary harvesting activities or the cutting authority expiry date, whichever comes first.
 - a. A licensee representative may request an extension to the 180-day submission deadline by submitting a work plan and a new submission date to the regional revenue staff. If agreed to, the proposed submission date is the new submission deadline.
 - b. A licensee representative may choose not to submit a changed circumstance reappraisal if by using the appraisal effective in the quarter with the highest stumpage rate, the difference between the total stumpage for the appraisal and the total stumpage that would be calculated in a reappraisal as a result of a changed circumstance, is less than \$5,000. Total stumpage is calculated using the rate (\$/m³) x the total net cruise volume (m³).
 - i. The provision in paragraph (b) above does not apply to a changed circumstance under subsections (2)(b)(ii) or (2)(c).
 - ii. In the case of paragraph (b) above, a licensee representative must certify and provide a rationale why a changed circumstance reappraisal data submission is not required.
- 4. The effective date of a changed circumstance reappraisal is the day after the effective date of the cutting authority.
- 5. If a person responsible for stumpage determinations believes that a changed circumstance has occurred, and the licensee fails to provide a reappraisal data submission, they may initiate a reappraisal using the information that is available to them and must notify the licensee of that action.
- 6. If a changed circumstance is a result of a change in subsections (2)(b) or (2)(c) and a portion of the cutting authority area does not have cruise information available, the person who determines the stumpage rate may use the best information he/she deems available.

¹ Measured as the absolute change, e.g. an addition of 0.5 hectares and the subtraction of 0.5 different hectares is a 1-hectare change for the purposes of this section.

2.2.3 Suddenly and Severely Damaged Timber

- 1. A licensee or BCTS representative may submit a reappraisal data submission for suddenly or severely damaged timber. Notwithstanding subsection 2.2 (1), the submission must be within 90 days of the date when the event that caused the sudden and severe damage stopped on the cutting authority area.
- 2. At least 15% of the total net cruise volume must be suddenly and severely damaged.
- 3. If a licensee was responsible or failed to comply with the Wildfire Act or Wildfire Regulations this section does not apply.
- 4. Only the standing timber remaining on the cutting authority area after the sudden and severe damage may be considered in the reappraisal data submission.
- 5. The effective date of the reappraisal is the first day of the month following the date when the event that caused the sudden and severe damage stopped on the cutting authority area.

2.2.4 Minister's Direction

- 1. The Minister may at any time direct the determination, redetermination or variance of a stumpage rate.
- 2. The Minister must direct the determination, redetermination or variance of a stumpage rate effective on a future date.
- 3. The determination, redetermination or variance must be made in accordance with any other directions that the Minister may direct.
- 4. A licensee representative must submit to the district manager a reappraisal data submission, if requested by the district manager within 45 days of the Minister's direction.
- 5. Where a reappraisal is warranted but there isn't any timber remaining on the cutting authority area to apply the redetermined stumpage rate to, the reappraisal is redundant and not required.

2.2.5 Insect Damage

- 1. a. A cutting authority with an adjustable stumpage rate may be reappraised on or after April 1, 2006 in accordance with this subsection if the licensee submits a revised ADS to the district manager.
 - i. Cutting authorities that have not been reappraised in accordance with this section may be reappraised once on or after July 1, 2014 during the remaining term and all extensions.
 - ii. Cutting authorities that have been reappraised once in accordance with this section prior to July 1, 2014 may be reappraised once on or after July 1, 2014 during the remaining term and all extensions.

- iii. Cutting authorities that have been reappraised twice in accordance with this section prior to July 1, 2014 may not be reappraised in accordance with this section.
- b. The revised appraisal data submission is the appraisal data submission that was used in the most recent reappraisal of the cutting authority area prior to the revision, hereinafter referred to in this section as the original ADS, with changes permitted only to the cruise data in the original ADS in accordance with the paragraphs (c) and (d) of this subsection.
- c. Subject to subsection (1)(d) of this section, the licensee may update the insect attack and the down tree code information for all the original trees in each plot in the field for codes 1, 2, 3, 5, 6, 7, 8, E and G as defined in the Cruising Manual and recompile the cruise for the cutting authority area by using the cruise data from the cruise in the original ADS for the plots in that part of the cutting authority area where timber has been harvested and combining that with the cruise data with updated insect attack and down tree codes for the plots in that part of the cutting authority area where timber has not been harvested.
- d. If a cutting authority area is reappraised due to a changed circumstance or suddenly and severely damage timber (in accordance with section 2.2.2 or 2.2.3) and the effective date of the reappraisal is prior to an insect damage reappraisal for that cutting authority area under this section, then the cutting authority area must be reappraised subsequent to the reappraisal using only the same information and effective date as the original insect damage reappraisal under this section (except for information that has changed as a result of the reappraisal under section 2.2.2 or 2.2.3).
- e. Notwithstanding any other paragraph of this section, other data must be changed if it is required by the manual in effect at the time of the reappraisal and was not submitted in the original ADS.

2.2.5.1 Insect Damage Reappraisal Procedure

1. The insect damage reappraisal procedure is the procedure required by section 2.2.1.

2.2.5.2 Effective Date of an Insect Damage Reappraisal

1. The effective date of an insect damage reappraisal is the first day of the month following the month in which the reappraisal is submitted in ECAS.

2.2.6 Compilation Version

- 1. Notwithstanding section 2.2 (1) and (2), a licensee representative may submit a reappraisal data submission for a cutting authority with the cruise data recompiled using a newer compilation version approved in the cruise compilation manual.
- 2. The reappraisal data submission must be the ADS that was used in the most recent appraisal or reappraisal of the cutting authority area prior to the new compilation revision, with changes only permitted to the reappraisal data submission as a result of the recompilation of the cruise data.
- 3. The reappraisal data submission must be submitted in ECAS no later than 6 months after the effective date of the amended cruise compilation manual.
- 4. The effective date of the reappraisal is the day after the date of the most recent appraisal or reappraisal for the cutting authority.

2.2.7 Unsuitable Transportation Route (UTR)

- 1. Notwithstanding section 2.2 (1) and (2), a licensee representative may submit a reappraisal data submission for a cutting authority issued July 31, 2005, or later if a portion of the original appraised transportation route is deemed unsuitable under section 1.4.4.1.
- 2. The effective date of the reappraisal is on the same date the transportation route is deemed unsuitable.
- 3. The reappraisal data submission must be the ADS that was used in the most recent appraisal or reappraisal of the cutting authority, with changes only permitted to the cycle time and point of appraisal (as the case may be) to reflect the 'alternate' transportation route determined under section 1.4.4.

2.2.7.1 When an UTR Determination Ceases to Exist

- 1. A licensee representative must submit a reappraisal data submission if
 - a. an 'alternate' transportation route was used in a previous appraisal or reappraisal; and
 - b. an UTR determination is revoked or expires under section 1.4.4.1.
- 2. The effective date of the reappraisal is the day after the transportation route is deemed suitable again.
- 3. The reappraisal data submission must be the ADS that was used in the most recent appraisal or reappraisal of the cutting authority, with changes only permitted to the cycle time and point of appraisal (as the case may be) to reflect the transportation route determined under section 1.4.4.
- 4. A reappraisal data submission is not required if the cutting authority expires or primary harvesting is complete before the UTR determination is revoked or expires.

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:

North Central Zone - Mackenzie, Nadina, Prince George (less Robson

Valley TSA), Quesnel and Stuart Nechako

North East Zone - Fort Nelson and Peace

North West Zone - Coast Mountain (excluding that portion that lies

geographically within the North Coast Timber Supply

Area), Skeena Stikine

South Central Zone - Williams Lake TSA Blocks A, B, C, D, E & I

South East Zone - Okanagan Shuswap, Rocky Mountain, Selkirk, and

Thompson Rivers (plus Robson Valley TSA)

South West Zone - 100 Mile House, Cascades, and Williams Lake TSA

Blocks F, G, H, and J to N

2. Each of the following species referred to in Tables 6-1, 6-2, 6-4, 6-4a and 6-5 is as follows:

BA - Balsam LO - Lodgepole pine

CE - Western redcedar SP - Spruce

FI - Interior Douglas-fir WH - White pine

HE - Hemlock YE - Yellow pine

LA - Larch AVG - Average of all species

3. Where a species of coniferous timber is not listed in Table 6-1, 6-2, 6-4, 6-4a and 6-5, the average rate for the zone (AVG) must be used for that species of timber.

Table 6-1: Coniferous Average Sawlog Stumpage Rates in \$/m³

FOREST ZONE	ВА	CE	FI	HE	LA	LO	SP	WH	YE	AVG
North Central	34.11		45.94	24.55		31.89	37.12			35.55
North East	35.84					34.90	35.66			35.48
(Fort Nelson)	18.83					20.89	24.05			23.67
North West	11.27	16.80		8.11		24.05	20.95			12.20
South Central	14.05		33.87			13.55	17.49			16.65
South East	47.51	52.40	45.79	42.57	46.87	44.05	50.20	42.18	37.98	47.10
South West	47.45	60.35	44.16	59.23	46.87	46.65	50.95	30.87		47.39

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	ВА	CE	FI	HE	LA	LO	SP	WH	YE	AVG
North Central	5.12		6.89	3.68		4.78	5.57			5.33
North East	5.38					5.23	5.35			5.32
(Fort Nelson)	2.83					3.13	3.61			3.55
North West	1.69	2.52		1.22		3.61	3.14			1.83
South Central	2.11		5.08			2.03	2.62			2.50
South East	7.13	7.86	6.87	6.39	7.03	6.61	7.53	6.33	5.70	7.06
South West	7.12	9.05	6.62	8.88	7.03	7.00	7.64	4.63		7.11

6.1.3 Incidental Conifer in Deciduous Leading Stands

- 1. Except as provided in section 5.1.1(4), 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 in \$/m³ by Smallest Geographic Unit

mallest Geographic Unit Average ¹ ESC S	mallest Geographic	mallest Geographic Unit	mallest Geographic Unit Average
h Area 32.20 37.83	South Area	South Area	South Area 46.04
ortheast Region 35.48 40.28	Cariboo Region	Cariboo Region	Cariboo Region 40.21
ort Nelson District 23.67 27.15	100 Mile House District	100 Mile House District	100 Mile House District 36.51
eace District 35.48 40.28	Cariboo-Chilcotin Distri	Cariboo-Chilcotin District	Cariboo-Chilcotin District 47.15
Fort St. John TSA 35.18 39.91	Williams Lake TSA, t	Williams Lake TSA, blks F-H, J-N	Williams Lake TSA, blks F-H, J-N 50.88
Dawson Creek TSA 35.61 40.43	Williams Lake TSA, t	Williams Lake TSA, blks A-E, I	Williams Lake TSA, blks A-E, I 16.65
9mineca Region 35.72 42.48	Quesnel District	Quesnel District	Quesnel District 34.34
Mackenzie District 25.80 30.94	Quesnel TSA	Quesnel TSA	Quesnel TSA 34.34
rince George District 38.39 45.78	Cascadia TSA, blks	Cascadia TSA, blks 5-8	Cascadia TSA, blks 5-8 34.34
Robson Valley TSA 20.34 25.93	Kootenay/Boundary F	Kootenay/Boundary Region	Kootenay/Boundary Region 46.33
Prince George TSA, blks E-I 39.21 46.69	Rocky Mountain Distric	Rocky Mountain District	Rocky Mountain District 46.42
tuart Nechako District 36.58 43.05	Invermere TSA	Invermere TSA	Invermere TSA 46.50
Prince George TSA, blks A-C 38.55 44.93	Cranbrook TSA	Cranbrook TSA	Cranbrook TSA 46.33
Prince George TSA, blk D 29.58 36.38	Selkirk District	Selkirk District	Selkirk District 46.29
keena Region 24.60 28.63	Arrow TSA	Arrow TSA	Arrow TSA 40.74
coast Mountains District 4.41 5.40	Cascadia TSA, blks	Cascadia TSA, blks 1-3	Cascadia TSA, blks 1-3 40.74
Nass TSA 2.80 3.92	Boundary TSA	Boundary TSA	Boundary TSA 42.87
Kalum TSA 6.24 7.08	Golden TSA	Golden TSA	Golden TSA 50.88
Cascadia TSA, blks 9-11 6.24 7.08	Revelstoke TSA	Revelstoke TSA	Revelstoke TSA 50.30
Pacific TSA 6.24 7.08	Cascadia TSA, blk 4	Cascadia TSA, blk 4	Cascadia TSA, blk 4 50.30
ladina District 34.48 40.16	Kootenay Lake TSA	Kootenay Lake TSA	Kootenay Lake TSA 55.91
Morice TSA 34.62 40.15	Thompson/Okanagan	Thompson/Okanagan Region	Thompson/Okanagan Region 48.96
Lakes TSA 33.83 40.19	Cascades District	Cascades District	Cascades District 48.42
keena Stikine District 22.59 25.79	Merritt TSA	Merritt TSA	Merritt TSA 59.88
Bulkley TSA 25.61 29.04	Lillooet TSA	Lillooet TSA	Lillooet TSA 11.46
Kispiox TSA 19.35 22.16	Okanagan Shuswap Di	Okanagan Shuswap District	Okanagan Shuswap District 50.65
Cassiar TSA 2.80 3.92	Thompson Rivers Distr	Thompson Rivers District	Thompson Rivers District 46.35

¹ ESC is the average rate excluding basic silviculture costs.

Note: For 100 Mile, Fort Nelson, Mackenzie, Okanagan and Thompson Rivers the TSA and District geographic boundary is equal; Prince George TSA blks A-C = former Fort St. James District; Prince George TSA blk D = former Vanderhoof District.

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:
 - i. 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
 - ii. 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	ВА	CE	FI	HE	LA	LO	SP	WH	YE	AVG
North Central	20.58		26.73	11.45		17.78	23.11			21.10
North East	21.62					19.45	22.19			21.06
(Fort Nelson)	11.37					11.65	14.97			14.04
North West	6.80	9.38		3.78		13.41	13.04			7.24
South Central	8.48		19.71			7.56	10.89			9.88
South East	28.67	29.27	26.64	19.85	24.42	24.56	31.25	22.55	22.29	27.95
South West	28.63	33.71	25.69	27.63	24.42	26.01	31.71	16.50		28.12

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	ВА	CE	FI	HE	LA	LO	SP	WH	YE	AVG
North Central	14.42		26.73	9.46		14.73	17.31			16.82
North East	15.15					16.11	16.63			16.78
(Fort Nelson)	7.96					9.65	11.22			11.20
North West	4.76	8.02		3.13		11.10	9.77			5.77
South Central	5.94		19.71			6.26	8.16			7.88
South East	20.09	25.01	26.64	16.41	21.21	20.34	23.41	18.69	19.45	22.28
South West	20.06	28.81	25.69	22.84	21.21	21.54	23.76	13.68		22.42

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

FOREST ZONE	ВА	CE	FI	HE	LA	LO	SP	WH	YE	AVG
North Central	8.53		22.97	6.14		15.95	18.56			16.99
North East	8.96					17.45	17.83			16.95
(Fort Nelson)	4.71					10.45	12.03			11.31
North West	2.82	13.44		2.03		12.03	10.48			5.83
South Central	3.51		16.94			6.78	8.75			7.96
South East	11.88	41.92	22.90	10.64	23.43	22.03	25.10	21.09	18.99	22.50
South West	11.86	48.28	22.08	14.81	23.43	23.32	25.47	15.44		22.64

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.

Species	SFP Code	Product	Reserve Stumpage Rate
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/m³
All Species		Firmwood Reject (Grade code Z)	NIL
All Coniferous		Effective September 1, 2021 - commercial thinning applies to even-aged forest stands as an intermediate harvest in the context of a broader stand management regime, where: • Stand age is 45 years or younger, • Approved Forest Stewardship Plan stocking standards for commercial thinning are consistent with the guiding principles of the current version of the Interim Guidance for Commercial Thinning - Interior British Columbia, and • Harvest operations are consistent with the current version of the Interim Guidance for Commercial Thinning - Interior British Columbia.	NIL \$0.25/m³

6.7 Specific Licences to Cut

- 1. This section applies to:
 - a. Master licences to cut.
 - b. Occupant licences to cut.
 - c. Forestry licences to cut issued under section 47.6(3) of the Act in conjunction with an activity funded out of the BCTS account.
 - d. Forestry licences to cut issued in conjunction with a works contract other than BCTS or issued for a fence line or protection of a fence line administered under the Range Act.
- 2. This section does not apply to:
 - a. Cutting authorities issued for the purpose described in section 6.7.1.
 - b. The proposed Site C reservoir and dam site.
 - c. Cutting authorities issued within a Controlled Recreational Area.
- 3. Unless otherwise directed by the Minister under section 2.2.4, the stumpage rate for any tenure listed in subsection (1) must be the stumpage rate excluding silviculture costs prescribed in Table 6-3 for the smaller of the area of the forest district, timber supply area, region, or Area in which the entire cutting authority area for the tenure is located.
- 4. Where the timber felled on the cutting authority area of any tenure listed in subsection (1) will not be removed from the site the volume used for billing may be estimated using an alternate method of scale approved by the Minister.
- 5. Except as provided under paragraph (6) of this section, the stumpage rate determined under this section will be re-determined annually on June 1st.
- 6. The stumpage rate determined under this section for a forestry licence to cut issued under section 47.6(3) of the *Act* is fixed for the term and all extensions.

6.7.1 Area-Based Stumpage Rates

- 1. This section applies to new Crown land area disturbed for mining activities, Oil and Gas activities and related activities as defined in the *Oil and Gas Activities Act*, or authorizations for investigative purposes issued under the *Land Act*.
- 2. a. Cutting authorities with less than 10 hectares of area must use the stumpage rate in Table 6-8 of the district in which it is geographically located.
 - b. Cutting authorities with 10 hectares or more area must use the stumpage rate excluding silviculture costs prescribed in Table 6-3 for the smaller of the area of the forest district, timber supply area, region, or Area in which the entire cutting authority area for the tenure is located.

Table 6-8: Area-Based Reserve Stumpage Rates by District

Forest District	Reserve Stumpage Rate (\$/hectare)		
Cariboo Chilcotin	2,717		
Cascades	5,148		
Coast Mountains	2,929		
Ft. Nelson	3,532		
Mackenzie	3,025		
Nadina	3,093		
Okanagan Shuswap	6,061		
100 Mile House	3,498		
Peace	3,507		
Prince George	4,358		
Quesnel	2,283		
Rocky Mountain	4,425		
Selkirk	5,798		
Skeena-Stikine	5,036		
Stuart Nechako	3,314		
Thompson Rivers	4,925		

- 3. For seismic lines, the corresponding district reserve stumpage rate from Table 6-8 is adjusted according to the category of line clearing as follows.
 - a. Category 1 (any line section over 100 metres in length and over 4.25 metres in width)- no adjustment.
 - b. Category 2 (any line section over 100 metres in length and between 3.0 metres and 4.25 metres in width) 1/2 of the reserve stumpage rate.
 - c. Category 3 (any line section over 100 metres in length and less than 3.0 metres in width) 1/3 of the reserve stumpage rate.

All clearing activity must follow the best practices of meandering avoidance, line of site to a maximum of 200 metres, and avoidance of merchantable timber wherever possible. Failure to employ these best practices (as determined by the district manager) will result in the line clearing being billed as Category 1.

- 4. The gross area for each new seismic line category reported on the Oil and Gas Commission's Geophysical Final Plan cover sheet or an As-Cleared Plan is multiplied by the reserve stumpage rate determine in subsection (3).
- 5. The stumpage rate determined under this section is fixed for the term 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 subsection (1) is redetermined on the anniversary date of the cutting authority in accordance with this section.
- 3. Notwithstanding any other subsection in this section, the stumpage rate may be determined through a full appraisal in accordance with chapters 1, 2, 3, 4 and 5.

BEC Unit	Plan	Regime Name	
		Enhanced Diverse	
SBSdw2	Caribas Barianal Standard	Enhanced Density	
	Cariboo Regional Standard	Enhanced Diverse	
	Prince George FSP#11	Increased Target Stocking	
SBSdw3	Prince George FSP#11	Increased Target Stocking	
SBSmc1	Cariboo Regional Standard	Enhanced Density	
		Pli leading -1800 sph	
SBSmc2	Bulkley ISS	Pli leading-2000 sph	
		Sx leading	
	Prince George FSP#11	Increased Target Stocking	
	WFM Morice FSP 660	Pli leading	
	WEIWI WIGHTEE FSP 660	Sx leading	
SBSmc3	Prince George FSP#11	Increased Target Stocking	
SBSmh	Prince George FSP#11	Increased Target Stocking	
SBSmk1	Prince George FSP#11	Increased Target Stocking	
	Caribas Dagional Standard	Enhanced Density	
SBSmw	Cariboo Regional Standard	Enhanced Diverse	
	Prince George FSP#11	Increased Target Stocking	
SBSvk	Prince George FSP#11	Increased Target Stocking	
SBSwk1	Cariboo Pagional Standard	Enhanced Density	
	Cariboo Regional Standard	Enhanced Diverse	
	Prince George FSP#11	Increased Target Stocking	
SBSwk3	Prince George FSP#11	Increased Target Stocking	

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	Quesnel	N	Quesnel Lake	Beach Point
SOUTH	Quesnel	N	Quesnel Lake	Hunter's Point
SOUTH	Quesnel	N	Quesnel Lake	Service Creek
SOUTH	Quesnel	N	Quesnel Lake	Long Creek
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
SOUTH	Selkirk	R	Arrow Lakes	Stobo
SOUTH	Selkirk	N	Slocan Lake	Rosebery
SOUTH	Thompson Rivers	N	Adams Lake	North end

^{**}Log Barge Water Transportation System