

File: 195-30/CAPP
Ref: 206340

August 15, 2014

To: Sharon Hadway, Regional Executive Director, West Coast Region
Heather MacKnight, Regional Executive Director, South Coast Region

From: The Honourable Steve Thomson, Minister of Forests, Lands and Natural Resource
Operations

Re: Amendment No. 3 to the *Coast Appraisal Manual*

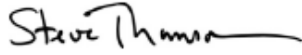
I hereby approve Amendment No. 3 to the *Coast Appraisal Manual* and attach a copy for your use. The following section has been amended:

Section 1.1	Added a definition of accurate for the purposes of section 105.1 of the <i>Forest Act</i> .
Section 2.3.1(7)	Lists cutting authorities and types of agreements exempt from cruising.
Section 2.3.1 (8)	Linear tenures over 2 500 m ³ subject to approval may have modified cruise.
Section 3.3 (2)	Housekeeping.
Section 3.5 (4)	Corrected section reference.
Section 4.2.2.1(6)	Corrected section reference.
Section 4.2.2.2 (9) & (10)	Revised log grade source rules for subdivided or consolidated forest licences and tree farm licences.
Section 4.4.6	Clarification on methodology for tree Crown modification estimate.
Section 7.7 (2) & (3)	A basic silviculture cost will be added to stumpage rates for linear tenures when under Section 7.1.
Appendix VI	Corrected appraisal log dump coordinate.

Appendix IX

Amortization Agreement form.

This amendment will come into force on August 15, 2014. Further amendments or revisions to this manual require my approval.

A handwritten signature in black ink that reads "Steve Thomson". The signature is written in a cursive style with a long horizontal flourish at the end.

Steve Thomson
Minister

Attachment

pc: Susanna Laaksonen-Craig, Executive Director, Timber Operations, Pricing and First Nations Division
Murray Stech, Director, Timber Pricing Branch
Grant Loeb, Manager, Timber Pricing



**MANUAL REVISION
TRANSMITTAL**

<p>FOR FURTHER INFORMATION OR IF YOU HAVE A CHANGE OF ADDRESS, PLEASE CONTACT:</p> <p>George Silvestrini Senior Timber Pricing Forester (Coast) Timber Pricing Branch Ministry of Forests, Lands and Natural Resource Operations 1st Floor, 1520 Blanshard Street Victoria, BC V8W 3K1</p> <p>Phone: 250 - 387-8377 Email: George.Silvestrini@gov.bc.ca FAX: 250 - 387-8393</p>	MANUAL TITLE	
	<i>Coast Appraisal Manual</i>	
	AMENDMENT	ISSUE DATE
	Amendment No. 3	August 15, 2014
MANUAL CO-ORDINATOR		
Ashley Sasaki Publication/Administrative Co-ordinator		
AUTHORIZATION		
Murray Stech Director, Timber Pricing Branch		

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

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Remove Insert	Table of Contents	3-4	After Table of Contents Tab
Remove Insert	Chapter 1	1-2	After Chapter 1 Tab
Remove Insert	Chapter 2	5-8	After Chapter 2 Tab
Remove Insert	Chapter 3	5-6 9-10	After Chapter 3 Tab
Remove Insert	Chapter 4	7-26	After Chapter 4 Tab
Remove Insert	Chapter 7	11-12	After Chapter 7 Tab
Remove Insert	Appendix	21-22 37-38	After Appendix Tab
INSERT	Letter from Minister and Transmittal Sheet		After Amendments Tab

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1 Definitions and Interpretations

1.1 Definitions and Interpretations

In this manual:

“**Act**” means *Forest Act*;

“**Accurate**” for the purposes of section 105.1 of the *Act* as it applies to this manual means submitted in accordance with the requirements of this manual.

“**Anniversary date**” means the annual recurrence of the month and day when the term of the cutting authority began;

“**Appraisal Data Submission (ADS)**” means the information required by the person who determines the stumpage rate to determine the stumpage rate including a forest professional’s signed submission in the form required by the director and any other information required by the regional manager or district manager;

“**Billing history record**” means a record of log scale data derived from a record kept by the Timber Pricing Branch of log scale data reported on stumpage invoices issued by the Timber Pricing Branch for timber scaled under section 94 of the *Act*; and for greater certainty does not include billing data from cruise based cutting authorities; but for any cutting authority with an effective date prior to October 1, 2012, the billing history record to be used in a minister-directed reappraisal under section 3.3.7 shall include billing data from cruise based cutting authorities;

“**BCTS**” means BC Timber Sales;

“**BCTS licence**” means a timber sale licence entered into under section 20 of the *Act* or section 21 as it was before it was repealed;

“**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*;

“**Coast Area**” means West Coast and South Coast forest regions or Coast Forest Region.

“**Coast Mountain Forest District**” means that part of the Coast Mountain forest district that is within the geographic boundaries of the North Coast timber supply area.

“**Coastal cruise based billing pilot**” means the cruising and billing method used for qualifying cutting authorities and is described in the Timber Pricing Branch document entitled “Coastal Cruise Based Billing Pilot”. All data elements for the appraisal data submission will be taken from the Call Grade Net Factor (CGNF) cruise compilation. Where suitable data is not available from the CGNF (such as the volume per 10m log and volume per hectare) it will be obtained from the loss factor cruise compilation,

“**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*;

2.3 Appraisal Data Submission Requirements

2.3.1 Cruise Information

1. **Except as provided for under subsection 7, and unless otherwise specified by the director, cruise data must be gathered and compiled in accordance with the following Ministry publications and the coast timber merchantability specifications in Table 2-1:**
 - a. *Cruising Manual*, at the following website:
<http://www.for.gov.bc.ca/hva/manuals/cruising.htm>,
 - b. *Cruise Compilation Manual* at the following website:
<http://www.for.gov.bc.ca/hva/manuals/cruise compilation.htm>

Table 2-1 Coast Timber Merchantability Specifications

Description	Mature	Immature
The following coast timber merchantability specifications must be used in all appraisals.		
1. Maximum stump height (measured from the top of the stump down to the highest ground level adjacent to the stump)	30.0 cm	30.0 cm
2. Minimum slab thickness for cedar only	15.0 cm	10.0 cm
3. Minimum top diameter (inside of the bark)	15.0 cm	10.0 cm
4. Minimum length of a log or slab	3.0 m	3.0 m

2. When cruise information is submitted to the district manager or the regional manager in order to determine a stumpage rate or an upset stumpage rate, that information must include:
 - a. The cruise compilation reports, and
 - b. The ASCII data files (i.e. .dat and .red or .pr).
 - 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 2013.00 version of the approved cruise compilation program.
3. When requested by the district manager, a copy of the original field data and traverse notes must be provided by the licensee.
4.
 - a. The cutting authority area will be appraised using the total net cruise volume of timber authorized for harvest in that area.
 - b. The total area of merchantable timber in the cutting authority area is obtained from the appraisal summary of the cruise compilation report.

5. If the licensee or BCTS modifies its application for a cutting authority the applicant must recompile the cruise data when any of the compiled plots used in the cruise lie outside the boundaries of the proposed cutting authority area.
6.
 - a. Where a boundary of a cutting authority area has been changed after the appraisal or reappraisal of the cutting authority area, every reappraisal of the cutting authority area must use the total net cruise volume of the cutting authority area as it is after the boundary has changed.
 - b. If, after a cruise compilation or recompilation was used for an appraisal or reappraisal, the total of all additions or deletions of areas containing merchantable timber made to the cutting authority area exceeds fifteen hectares or fifteen percent of the area containing merchantable timber, whichever is less, the entire cruise must be recompiled.
7. The holders of the following types of agreements and cutting authorities are exempt from the requirement to provide a timber cruise:
 - a. Community forest agreements and woodlot licences under section 7.2,
 - b. Salvage cutting authorities under section 7.4,
 - c. Cutting authority areas with less than 2 500 m³ of timber volume that have been authorized under section 7.5(1) to use tabular rates,
 - d. Decked timber under section 7.6(1),
 - e. Linear tenures under section 7.7 with not more than 2 500 m³ of timber volume, and
 - f. Controlled recreation areas under section 7.8
8. The person who determines the stumpage rate may direct that cruise information be gathered and compiled fully or partially for linear tenures under section 7.7 with more than 2 500 m³ of timber volume that have been authorized to use tabular rates.

2.3.2 Appraisal Data Forms

1. Unless otherwise specified in paragraph (b) or (c) of this section, the form of appraisal data submission required by the director for:
 - a. The market pricing system is the Electronic Commerce Appraisal System (ECAS) which can be found at:
<http://www.for.gov.bc.ca/hva/ECAS/index.htm>
 - b. Miscellaneous timber pricing policies is the miscellaneous appraisal data submission (Misc ADS) which can be found at:
<http://www.for.gov.bc.ca/rco/revenue>

- c. Community forest agreements and woodlot licences is the Tabular Rate Form for Community Forest and Woodlot (Tab Rate Form), which can be found at:
<http://www.for.gov.bc.ca/rco/revenue/>

A submission under subsection c) is not required to be made by a forest professional.

2.3.3 Appraisal Map

The appraisal map must be completed in accordance with the requirements of Appendix V of this manual, and must be submitted with the appraisal data submission in ECAS.

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3.3 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 subsection (3) of this section or sections 3.3.1(1)(d), 3.3.2, 3.3.3, 3.3.4 or 3.3.5 or otherwise directed by the Minister under section 3.3.7, a reappraisal is a complete reassessment of the cutting authority area at the time of the reappraisal by the person who determines the stumpage rate taking into account:
 - a. a revised appraisal data submission submitted by the licensee in accordance with this manual, and
 - b. information available to the person who determines the stumpage rate.
3. Road development costs originally estimated using ministry approved competitive bids may not be re-estimated in a reappraisal.

3.3.1 Changed Circumstances

1. A changed circumstance on or in relation to a cutting authority area means a circumstance where:
 - a.
 - i. the licensee or a contractor working on the licensee's behalf has harvested or will harvest at least fifteen percent of the volume of timber on the cutting authority area using a harvest method that is different from the harvest method used in the most recent appraisal or reappraisal of the cutting authority area, and
 - ii. the different harvest method when taken into account in a changed circumstance reappraisal will produce the highest stumpage rate within the meaning of section 4.1.
 - b. there will be a difference of at least fifteen percent between the total road development unit cost in the changed circumstance reappraisal and the total road development unit cost that was used in the most recent appraisal or reappraisal where this difference results from circumstances other than a change in the manual or a change as a result of a stumpage adjustment.

- c. the cutting authority is scale based and land containing merchantable timber has been either added to or deleted¹ from the cutting authority area since the most recent cruise compilation or recompilation that was used in that most recent appraisal or reappraisal that exceeds either:
 - 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, or
- d. at least fifteen percent of the total net cruise volume that was used in the most recent appraisal or reappraisal of the 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* and Regulations.
- e. the cutting authority is cruise based billing and there has been a change¹ in the harvest area when compared to the most recent appraisal map submitted that exceeds three hectares.

The area used for cruise based billing shall only be changed to reflect the new area when:

- i. the harvest area has decreased and the cutting authority has been amended,
 - ii. the harvest area has increased, or
 - iii. the change in harvest area described in this subsection triggers a changed circumstance under this section.
2. The licensee must notify the district manager immediately of a changed circumstance.
 3. Where the district manager believes that a changed circumstance has occurred, the district manager will notify the licensee of that belief.
 4. A cutting authority area other than a cutting authority area that is the subject of a road permit or a cutting authority with fixed rates must be reappraised when a changed circumstance has occurred.
 5. Where a cutting authority area is reappraised because of a changed circumstance, any bonus bid or bonus offer in existence prior to the reappraisal does not change and remains in effect.

¹ Measured as the absolute change, e.g. an addition of 15 hectares and the subtraction of 15 different hectares is a 30-hectare change for the purposes of this section.

3.4 Quarterly Adjustments

1. Unless a cutting authority, previous manual, or a provision of this manual specifies that the stumpage rates of a cutting authority are fixed, the stumpage rate of a cutting authority is adjusted quarterly on January 1, April 1, July 1, and October 1, of each year.
2. a. At the time of the quarterly adjustment referred to in subsection (1) of this section, the stumpage rate will be recalculated in accordance with the equations applicable for the appraisal effective date and the appraisal data submission which was used in the most recent appraisal or reappraisal. The log selling prices and CPI effective for the month of the adjustment will be used in the calculation of the adjustment. All other data, including the estimated number of bidders, will remain unchanged.
- b. The procedure referred to in this subsection is conducted each quarter until the cutting authority area is reappraised or the cutting authority expires.

3.5 Fixed Rates and Extensions of Term

Timber Sale Licences

1. A fixed stumpage rate for a timber sale licence means that the upset stumpage rate and bonus bid will not change during the term of the timber sale licence and all extensions, except where:
 - a. a reappraisal is done under section 3.3.1(1)(d) due to sudden and severe damage, or
 - b. a reappraisal is done under section 3.3.7 due to the Minister's direction.
2. Every timber sale licence entered into under section 20 of the *Act* that was advertised on or after November 1, 2003 must have a fixed stumpage rate.
3. Notwithstanding anything to the contrary in this manual, a fixed stumpage rate for a timber sale licence may not be corrected where there has been an error in the appraisal.

Miscellaneous Stumpage Rates

4. Except where miscellaneous stumpage rates are otherwise specified in a cutting authority the miscellaneous stumpage rates applicable to timber under section 7.9 are the rates that are in effect on the date that the timber is scaled.

Table 4-3: Billing History Record Dates

Column 1 Date of Appraisal or Reappraisal	Column 2 Billing History Record Ends on the Preceding
January 1 to March 31	November 30
April 1 to June 30	February 28/29
July 1 to September 30	May 31
October 1 to December 31	August 31

4. Except as provided in subsection (6) of this section, where the effective date of the appraisal or reappraisal falls within the period of the year listed in Column 1 of Table 4-3, the two-year billing history record shall be for the two-year period ending on the corresponding date in Column 2 of Table 4-3 which immediately precedes the effective date of the appraisal or reappraisal.
5. Where the log grade percentages must be determined in accordance with section 4.2.2.3.1(8) or 4.2.2.3.2(8) and the effective date of an appraisal or reappraisal falls within the period of the year listed in Column 1 of Table 4-3, the five-year billing history record shall be for the five-year period ending on the corresponding date in Column 2 of Table 4-3 which immediately precedes the effective date of the appraisal or reappraisal.
6. Where the log grade percentages must be determined in accordance with section 4.2.2.2(8) and where the effective date of the appraisal or reappraisal falls within the period of the year listed in Column 1 of Table 4-4, the two-year billing history record shall be for the two-year period ending on the corresponding date in Column 2 of Table 4-4 which immediately precedes the effective date of the appraisal or reappraisal.

Table 4-4: Billing History Record Dates

Column 1 Date of Appraisal or Reappraisal	Column 2 Billing History Record Ends on the Preceding
January 1 to 31	November 30
February 1 to 28/29	December 31
March 1 to 31	January 31
April 1 to 30	February 28/29
May 1 to 31	March 31
June 1 to 30	April 30
July 1 to 31	May 31
August 1 to 31	June 30
September 1 to 30	July 31
October 1 to 31	August 31
November 1 to 30	September 30
December 1 to 31	October 31

4.2.2.2 Log Grade Percentage Criteria

The person who determines the stumpage rate will apply the following criteria when determining the log grade percentages to be used for the cutting authority area being appraised or reappraised:

1. The log grade percentage is the percentage by volume that a log grade is of the total net cruise volume for the species of timber being considered.
2. Except as provided in subsection (5) and (6) of this section and section 4.2.2.4, the log grade percentages for a species of timber are derived from the billing history record.
3. The source of log grade percentages may vary by species of timber.
4. a. Except as provided in paragraph (b) of this subsection, before a two year billing history record for a species of timber can be used in an appraisal or reappraisal, the volume of that species of timber in that two year billing history record must be at least 25 percent of the net cruise volume of that species in

- the cutting authority area being appraised or reappraised, or 2 000 m³, whichever is greater.
- b. Where the cutting authority area being appraised or reappraised is outside of a tree farm licence area and has been authorized for harvest under a cutting authority issued under a timber licence, then before a two-year billing history record for a species of timber can be used in an appraisal or reappraisal the volume of that species of timber in the two-year billing history record must be at least 25 percent or 2 000 m³ for each species of timber that comprises at least 20 percent of the cutting authority area's total net cruise volume.
5. The log grade percentages for each species of timber will be derived from the cruise compilation algorithm (loss factor) predictions when:
 - a. at least eighty percent of the timber in a cutting authority area being appraised or reappraised is second growth coniferous timber,
 - b. the entire net cruise volume of the cutting authority area being appraised or reappraised will be harvested using helicopter single standing stem selection, or
 - c. the cutting authority area has been authorized for harvest under:
 - i. a cutting permit entered into with a timber sales manager,
 - ii. a licence that is entered into with a timber sales manager,
 - iii. a cutting permit issued under a replaceable timber sale licence,
 - iv. a woodlot licence that does not have its stumpage rates determined under section 7.2(1).
 6. If a cutting authority has been approved for the coast cruise based billing pilot the cruise and log grade percentages for each species of timber will be based on the call grade net factor cruise method.
 7. If a cutting authority is not a tree farm licence or First Nations woodland licence and has been approved for the coast problem forest stand pilot project under section 2.2.3 and is located in the geographic area of a timber supply area, the log grade percentages will be determined as described in section 4.2.2.3.2 based on the timber supply block where the majority of the cutting authority area's net cruise volume is located.
 8. Where the cutting authority area is not a cutting authority area referred to in subsection (5)(c) of this section and the timber in the cutting authority area has been authorized for harvest under:
 - a. a cutting authority issued under a licence awarded under section 47.3 of the *Act*,
 - b. a forestry licence to cut with cutting permits, or
 - c. a cutting authority issued under a woodland licence awarded under section

43.54 of the *Act*,

the log grade percentages for each species of timber will be derived from,

- d. the two year billing history record of all cutting authority areas of the licence authorizing harvest, if the two-year billing history record for that cutting authority includes at least 25 percent of the cutting authorities' net cruise volume of that species or 2 000 m³, whichever is greater, or
- e. where there is no such billing history record, the person determining the stumpage rate will proceed to:
 - i. section 4.2.2.3.1(6) if the cutting authority area is within the boundaries of a tree farm licence, or
 - ii. section 4.2.2.3.2(6) if the cutting authority area is within the boundaries of timber supply area.

9. Where:

- a. a forest licence or a tree farm licence is subdivided under section 19 or 39 of the *Act* (the "subdivided licence"), and
- b. the licences resulting from the subdivision are held by:
 - i. the same licensee that held the subdivided licence prior to the subdivision (the "original licensee"),
 - ii. a licensee legally associated to the original licensee, or
 - iii. severally, a combination of licensees comprising, the original licensee and/or one or more licensees legally associated to the original licensee,

for the purposes of section 4.2.2.3.1 or 4.2.2.3.2, the billing history record for each of the licences resulting from the subdivision will be the two-year history from the common pool of:

- c. the records for the subdivided licence, and
- d. all the records for the licences resulting from the subdivision,

for so long as condition (b) continues to exist.

10. Where:

- a. two or more forest licences are consolidated under section 19 of the *Act* or two or more tree farm licences are consolidated under section 39 of the *Act* (the "consolidated licences"), and
- b. the licence resulting from the consolidation is held by:

- i. the same licensee that prior to the consolidation held one or more of the consolidated licensees (the "original licensee"), or
- ii. a licensee legally associated to the original licensee,

for the purposes of section 4.2.2.3.1 or 4.2.2.3.2, the billing history record for the licence resulting from the consolidation will be the two-year history from the common pool of:

- c. all the records for the consolidated licences, and
 - d. the records for the licence resulting from the consolidation,
- for so long as condition (b) continues to exist.

4.2.2.3 Source of Log Grade Percentages for Each Cutting Authority Area

1. Except for those harvest methods, cutting authorities or cutting authority areas referred to in subsection 4.2.2.2(5), 4.2.2.2(6), 4.2.2.2(7), 4.2.2.2(8), 4.2.2.2(9), and 4.2.2.2(10) the log grade percentages for each species of timber for the cutting authority area being appraised or reappraised will be determined in accordance with:
 - a. Section 4.2.2.3.1, where the cutting authority area is entirely within the geographic boundaries of one tree farm licence, or
 - b. section 4.2.2.3.2, where the cutting authority area is entirely within the geographic boundaries of one timber supply area.

4.2.2.3.1 Log Grade Percentages for a Cutting Authority Area Within the Geographic Boundaries of a Tree Farm Licence

Where the cutting authority area being appraised or reappraised is entirely within the geographic boundaries of a single tree farm licence area, the log grade percentages for the cutting authority area will be determined in the following manner:

1. a. Where at least eighty percent of the timber in the cutting authority area is second growth coniferous timber, the log grade percentages for that cutting authority area will be determined in accordance with the requirements of subsection 4.2.2.2(5).
b. Where at least eighty percent of the timber in the cutting authority area is not comprised of second growth coniferous timber, the person determining the stumpage rate will proceed to subsection 2 of this section.
2. a. Where the cutting authority area is the only cutting authority area in the cutting authority and is entirely within the geographic boundaries of a single timber licence, the person determining the stumpage rate will proceed to subsection 3 of this section.
b. Where subsection 2 (a) of this section is not applicable, the person determining the stumpage rate will proceed to subsection 4 of this section.
3. a. Where the species being considered has a billing history record for cutting permits issued under the timber licence under which the cutting permit that authorizes harvesting on the cutting authority area being appraised or reappraised has been issued that meets the criteria of subsection 4.2.2.2(4), then that billing history record will be the source of the log grade percentages for that species.
b. Where there is no such billing history record, the person determining the stumpage rate will proceed to subsection 4 of this section.
4. a. Where the species being considered has a billing history record derived from cutting permits issued under the tree farm licence or licence to cut and their associated road permits authorizing harvest in that part of the tree farm licence area that lies within the geographic boundaries of the forest district that contains the cutting authority area being appraised or reappraised and that billing history record meets the criteria of subsection 4.2.2.2(4), then that billing history record will be the source of the log grade percentages for that species.
b. Where there is no such billing history record, the person determining the stumpage rate will proceed to subsection (5) of this section.
5. a. Where the species being considered has a billing history record derived from cutting permits issued under the tree farm licence or licence to cut and their associated road permits authorizing harvest and that billing history meets the criteria of subsection 4.2.2.2(4), then that billing history record will be the

- source of the log grade percentages for that species.
- b. Where there is no such billing history record, the person determining the stumpage rate will proceed to subsection (6) of this section.
6. a. Where the species being considered has a billing history record for cutting authority areas in that part of the tree farm licence area that lies within the geographic boundaries of the forest district that contains the cutting authority area being appraised or reappraised that meets the criteria of subsection 4.2.2.2(4), then that billing history record will be the source of the log grade percentages for that species.
 - b. Where there is no such billing history record, the person determining the stumpage rate will proceed to subsection (7) of this section.
 7. a. Where the species being considered has a billing history record for cutting authority areas in a tree farm licence area that contains the cutting authority area being appraised or reappraised that meets the criteria of subsection 4.2.2.2(4), then that billing history record will be the source of the log grade percentages for that species.
 - b. Where there is no such billing history record, the person determining the stumpage rate will proceed to subsection (8) of this section.
 8. a. Where the species being considered has a five-year billing history for cutting authority areas in a tree farm licence area that contains the cutting authority area being appraised or reappraised, and that record includes at least 100 m³ of scale for that species then that billing history record will be the source of the log grade percentages for that species.
 - b. Where there is no such billing history record, the person determining the stumpage rate will use the log grade percentages for that species from the cruise compilation.

4.2.2.3.2 Log Grade Percentages for a Cutting Authority Area Within a Timber Supply Area

Where the cutting authority area being appraised or reappraised is entirely within the geographic boundaries of a single timber supply area, the log grade percentages for the cutting authority area will be determined in the following manner:

1. a. Where at least eighty percent of the timber in the cutting authority area is second growth coniferous timber, the log grade percentages for that cutting authority area will be determined in accordance with the requirements of subsection 4.2.2.2(5).
 - b. Where at least eighty percent of the timber in the cutting authority area is not second growth coniferous timber the person determining the stumpage rate will proceed to subsection 2 of this section.

2. a. Where the cutting authority area is entirely within the geographic boundaries of one or more timber licences, the person determining the stumpage rate will proceed to subsection 3 of this section.
- b. Where the cutting authority area is not entirely within the geographic boundaries of one or more timber licences, the person determining the stumpage rate will then proceed to subsection 4 of this section.
3. a. Where the cutting authority area being appraised or reappraised is authorized for harvest under a cutting permit issued under a timber licence, and the species being considered has a billing history record for cutting permits issued under that timber licence and any other timber licence with which that licence has been amalgamated and approved by the district manager that meets the criteria of subsection 4.2.2.2(4), then that billing history record will be the source of the log grade percentages for that species.
- b. Where there is no such billing history record, the person determining the stumpage rate will proceed to subsection 6 of this section.
4. a. Where the cutting authority area in a timber supply block being appraised or reappraised is authorized for harvest under a cutting permit issued under either a forest licence or licence to cut, and the species being considered has a billing history record for cutting permits issued under the licence authorizing harvest in that same timber supply block and associated road permits, and that billing history record meets the criteria of subsection 4.2.2.2(4), then that billing history record will be the source of the log grade percentages for that species.
- b. Where there is no such billing history record, the person determining the stumpage rate will proceed to subsection 5 of this section.
5. a. Where the cutting authority area in a timber supply area being appraised or reappraised is authorized for harvest under a cutting permit issued under either a forest licence or licence to cut, and the species being considered has a billing history record for the cutting permits issued under the licence authorizing harvest in that same timber supply area and associated road permits and that billing history record meets the criteria of subsection 4.2.2.2(4), then that billing history record will be the source of the log grade percentages for that species.
- b. Where there is no such billing history record, the person determining the stumpage rate will proceed to subsection 6 of this section.
6. a. Where the cutting authority area being appraised or reappraised is authorized for harvest under a licence to cut or under a cutting permit issued under either a forest licence, timber licence or licence to cut, or First Nations woodland licence and the species being considered has a billing history record for all cutting authority areas that have been authorized for harvest in that timber supply block that meets the criteria of subsection 4.2.2.2(4), then that billing

history record will be the source of the log grade percentages for that species.

- b. Where there is no such billing history record, the person determining the stumpage rate will proceed to subsection 7 of this section.
7.
 - a. Where the cutting authority area being appraised or reappraised is authorized for harvest under a licence to cut or under a cutting permit issued under either a forest licence, timber licence or licence to cut, or a First Nations woodland licence and the species being considered has a billing history record for all cutting authority areas that have been authorized for harvest in that timber supply area that meets the criteria of subsection 4.2.2.2(4), then that billing history record will be the source of the log grade percentages for that species.
 - b. Where there is no such billing history record, the person determining the stumpage rate will proceed to subsection 8 of this section.
 8.
 - a. Where the cutting authority area being appraised or reappraised is authorized for harvest under a licence to cut or under a cutting permit issued under either a forest licence, timber licence or a licence to cut, or a First Nations woodland licence and the species being considered has a five-year billing history for cutting authority areas in a timber supply area that contains the cutting authority area being appraised or reappraised, and that record includes at least 100 m³ of scale for that species then that billing history record will be the source of the log grade percentages for that species.
 - b. Where there is no such billing history record, the person determining the stumpage rate will use the log grade percentages for that species from the cruise compilation.

4.2.2.4 Damaged Timber

Where the regional manager determines that timber in a cutting authority area is suddenly and severely damaged, then notwithstanding section 4.2.2.1, 4.2.2.2, 4.2.2.3, 4.2.2.3.1 and 4.2.2.3.2 the log grade percentages for the cutting authority area being appraised or reappraised may be estimated from available site-specific information.

4.2.3 Stand Selling Price

1. The stand selling price shall be calculated in an appraisal or reappraisal by using the net cruise volumes and species selling prices of the following species of timber:

Balsam	Lodgepole Pine
Cedar	White Pine
Cypress	Sitka Spruce
Fir	Engelmann Spruce
Hemlock	

4.2.3.1 Stand Selling Price Calculation

1. Subject to subsection 2 of this section:
 - a. a species grade value for a species of timber in a cutting authority area is the product of the percentage of that grade of that species as derived from section 4.2.2 multiplied by the average log market value for that grade of that species of timber,
 - b. a species selling price for a species of timber in a cutting authority area is the sum of all of the species grade values for that species of timber in the cutting authority area,
 - c. the rounded species selling price is the species selling price for a species of timber in a cutting authority area rounded to the nearest cent,
 - d. a species value is the product of the rounded species selling price multiplied by the species net cruise volume in the cutting authority area, and
 - e. the stand selling price is the quotient of the sum of all of the species values in a cutting authority area divided by the total net cruise volume of all of the species in the cutting authority area.
2. For the purposes of determining a stand selling price:
 - a. in the Pemberton, Yale and Nahatlatch timber supply blocks:
 - i. all spruce is deemed to be Engelmann spruce, and
 - ii. the hemlock and balsam species grade average log market values will be used to determine the species grade values for all spruce in the cutting authority area,
 - b. where outside the Pemberton, Yale and Nahatlatch timber supply blocks:
 - i. Engelmann spruce is identified as the predominant spruce species in the cruise of the cutting authority area, or
 - ii. the district manager determines that Engelmann spruce is the predominant spruce species in the cutting authority area,

the hemlock and balsam species grade average log market values will be used to determine the species grade values of all spruce in the cutting authority area,
 - c. where a cutting authority area is located on Cortes Island or on an Island between Vancouver Island and the British Columbia mainland west of a line drawn between Grief Point near Powell River and the Tsawwassen ferry terminal, and south of 50 degrees north latitude, the second growth Douglas-fir species grade average log market values will be used to calculate the species selling price for all Douglas-fir timber.

4.2.4 Haul Distance

1. Haul distance does not contribute to the calculation of a stumpage rate but must be determined and reported on the appraisal data submission.
2. The haul distance for a cutting authority area being appraised or reappraised shall be determined as follows:
 - a. For each cutblock in the cutting authority area from which any timber may be removed by road from that cutblock:
 - i. determine for that cutblock the point that is the closest point on a road to the geographical centre of the cutblock,
 - ii. determine the shortest distance by road from the point on the road determined in subparagraph (i) of this paragraph to the appraisal log dump for that cutblock, measured in kilometres (km) and rounded to the nearest 0.1 km,
 - iii. weight for that cutblock the distance determined in subparagraph (ii) of this paragraph by the net cruise volume of timber on the cutblock.
 - b. Determine the average weighted distance of all the cutblocks for which a weighted distance was determined in subparagraph (iii) of paragraph (a), rounded to the nearest 0.1 km.
 - c. Haul distance is the average weighted distance calculated in paragraph (b) of this subsection plus the rehaul distance in the case of inland water transportation as described in section 4.4.2.
 - d. Where a rehaul is required for inland water transportation, the appraisal log dump is the final log dump at the end of the rehaul.

4.2.5 Marine Log Transportation

4.2.5.1 Point of Appraisal

1. The Points of Appraisal are:

<u>Points of Appraisal</u>	<u>Location</u>
Alberni	At the head of Alberni Inlet.
Chemainus	At Chemainus Bay.
Gambier Island	At Gambier Harbour on Gambier Island.
Pitt River Bridge	At the confluence of the Fraser and Pitt Rivers.

4.2.5.2 Appraisal Log Dump

1. Except for those appraisal log dumps in Appendix VI that are listed in more than one district, for subsections 2, 3, 4 a) and 4 b) below, the appraisal log dump must be located in the same forest district as the cutting authority area.
2. Except as provided in subsection 3 of this section, where any timber may be removed from any part of a cutblock by road, the appraisal log dump for that cutblock that must be used in the appraisal or reappraisal of the cutting authority area is the closest location by road listed in Appendix VI to that cutblock.
3. Where any timber may be removed from any part of a cutblock by road, and a log dump exists or will exist during the removal of the timber from the cutblock at a location that is closer to the cutblock than any location listed in Appendix VI, then that log dump location is the appraisal log dump for that cutblock that must be used in the appraisal or reappraisal of the cutting authority area.
4. a. When no timber may be removed from any part of a cutblock by road, and except as provided in paragraph (b) of this subsection, the appraisal log dump for that cutblock that must be used in the appraisal or reappraisal of a cutting authority area is the closest location to that cutblock listed in Appendix VI to which logs may be yarded by helicopter or A-frame and placed in water.

b. If a location to which timber will be yarded by helicopter or A-frame from the cutblock and placed in water is closer to the cutblock than any location listed in Appendix VI, then that location must be used as the appraisal log dump for that cutblock in the appraisal or reappraisal of the cutting authority area.

4.2.5.3 Log Towing

1. a. The information in Table 4-5 is not used in the calculation of a stumpage rate but must be used by the licensee when completing the appraisal data submission.

b. Where the appraisal log dump is at a towing point of origin listed in Table 4-5, that towing point of origin must be reported in the appraisal data submission.

c. Where the appraisal log dump lies between two towing points of origin, both towing points of origin must be reported in the appraisal data submission.

4.2.5.4 Log Barging

1. a. The information in Table 4-6 is not used in the calculation of a stumpage rate but must be used by the licensee when completing the appraisal data submission.
- b. Where the appraisal log dump is at a barging point of origin listed in Table 4-6, that barging point of origin must be reported in the appraisal data submission.
- c. Where the appraisal log dump lies between two barging points of origin, both barging points of origin must be reported in the appraisal data submission.

Table 4-5 Towing Points of Origin

Code	Point of Origin	P/A	Code	Point of Origin	P/A
ALBE	ALBERNI	A	BUIM	M. OF BUTE INLET	G
CHCK	CHINA CREEK	A	KIIM	M. OF KINGCOME INLET	G
COCK	COLEMAN CREEK	A	KNIM	M. OF KNIGHT INLET	G
SARV	SARITA RIVER	A	LOUM	M. OF LOUGHBOROUGH	G
SPCK	SPENCER CREEK	A	TOIM	M. OF TOBA	G
TOBY	TOQUART BAY	A	NACK	NAKA CREEK	G
UCHU	UCHUCKLESIT	A	NOBY	NORTHWEST BAY	G
UCLU	UCLUELET	A	PHAR	PHILLIPS ARM	G
CHEM	CHEMAINUS	C	PTEB	PORT ELIZABETH	G
COBY	COWICHAN BAY	C	PTHD	PORT HARDY	G
JORV	JORDAN RIVER	C	PTHV	PORT HARVEY	G
LADY	LADYSMITH	C	PTMN	PORT McNEILL	G
NANA	NANAIMO	C	PTNE	PORT NEVILLE	G
SOOK	SOOKE	C	PORV	POWELL RIVER	G
VICT	VICTORIA	C	SENA	SECOND NARROWS	G
AGAM	AGAMEMNON	G	SYIN	SEYMOUR INLET	G
BECV	BEAVER COVE	G	SEBY	SOUTHEAST BAY	G
COUR	COURTENAY	G	SQUA	SQUAMISH	G
DRIN	DRURY INLET	G	STIL	STILLWATER	G
EVRV	EVE RIVER	G	TEAR	TEAKERNE ARM	G
FOHA	FORWARD HARBOUR	G	THIN	THEODOSIA INLET	G
FRAR	FREDERICK ARM	G	THSO	THOMPSON SOUND	G
BUIH	H. OF BUTE INLET	G	WASA	WAKEMAN SOUND	G
JEIH	H. OF JERVIS INLET	G	GAMB	GAMBIER ISLAND	G
KIIH	H. OF KINGCOME INLET	G	CHWK	CHILLIWACK	P
KNIH	H. OF KNIGHT INLET	G	HABY	HARRISON BAY	P
LOUH	H. LOUGHBOROUGH	G	HALH	HEAD HARRISON LAKE	P
SEIH	H. OF SECHELT INLET	G	PILH	HEAD OF PITT LAKE	P
TOIH	H. OF TOBA INLET	G	HALM	MID HARRISON LAKE	P
INAR	INDIAN ARM	G	PIRV	PITT RIVER BRIDGE	P
KLBY	KELSEY BAY	G	SICK	SILVERHOPE CREEK	P
MNCK	McNAB CREEK	G	WHON	WHONNOCK	P
MEBY	MENZIES BAY	G			
MESD	MEREWORTH SOUND	G			
JEIM	MOUTH JERVIS INLET	G			

P/A = Point of Appraisal as follows:

A = ALBE = Alberni
 C = CHEM = Chemainus
 G = GAMB = Gambier Island
 P = PIRV = Pitt River Bridge

Table 4-6 Barging Points of Origin

Code	Point of Origin	P/A	Code	Point of Origin	P/A
BACK	BARR CREEK	A	BOIN	BOSWELL INLET/SECURITY BAY	G
BLBY	BLOWHOLE BAY	A	CAIS	CAMPBELL ISLAND	G
CLCK	CLEAGH CREEK	A	DIBY	DINAN BAY	G
COHA	COAL HARBOUR	A	ELHA	ELCHO HARBOUR	G
CYRV	CYPRE RIVER	A	FEBY	FERGUSON BAY	G
EAIN	EASY INLET	A	RIIH	HEAD OF RIVERS INLET	G
ESIN	ESPINOSA INLET	A	SBEH	HEAD OF SOUTH BENTINCK ARM	G
GORV	GOLD RIVER	A	HNRV	HONNA RIVER	G
HEBY	HEAD BAY	A	KMBY	KEMANO BAY	G
BESH	HEAD OF BEDWELL SOUND	A	KHIN	KHUTZEYMATEEN INLET	G
HENO	HECATE CHANNEL -NOOTKA	A			
HOLB	HOLBERG	A	KIMS	KIMSQUIT	G
HORV	HOUSTON RIVER	A	KLEM	KLEMTU	G
HUCK	HUSHAMU	A	KUIN	KUMEALON INLET	G
INGE	INGERSOLL	A	KWBY	KWATNA BAY/MINERVA CREEK	G
JELA	JEUNE LANDING	A	KWRV	KWINAMASS RIVER	G
KEIN	KENDRICK INLET	A	MCBY	McCLINTON BAY	G
KOHA	KOPRINO HARBOUR	A	MOIN	MOSES INLET/INRIG BAY	G
KUCV	KULTUS COVE	A	NAHA	NADEN HARBOUR	G
MCKK	McCURDY CREEK	A	NABY	NASS BAY	G
MORV	MOOYAH RIVER	A	NORV	NOOTUM RIVER	G
OUIV	OOUKINSH INLET	A	OCFA	OCEAN FALLS	G
PLHA	PLUMPER HARBOUR	A	POIS	PORCHER ISLAND	G
PTEL	PORT ELIZA	A	PRRU	PRINCE RUPERT	G
RACV	RANKIN COVE	A	RESO	RENNELL SOUND	G
STCV	STEAMER COVE	A	REPA	RENNERS PASSAGE	G
TLRV	TLUPANA RIVER	A	SCRV	SCOTIA RIVER	G
TSRV	TSOWWIN	A	SWIN	SEWELL INLET	G
WIHA	WINTER HARBOUR	A	SKIN	SKIDEGATE INLET	G
ZEBA	ZEBALLOS	A	SOBY	SOUTH BAY	G
ALAR	ALICE ARM	G	STEW	STEWART	G
ALBY	ALLIFORD BAY	G	TASU	TASU SOUND	G
BEAN	BEATTIE ANCHORAGE	G	TUIN	TUCK INLET	G
BECO	BELLA COOLA	G	WECK	WEEWANIE CREEK	G
BIBY	BISHOP BAY	G	WOCH	WORK CHANNEL	G

P/A = Point of Appraisal as follows:

A = ALBE = Alberni
 G = GAMB = Gambier Island

4.3 Estimated Winning Bid (EWB) Equation

1. The equation used in the calculation of the estimated winning bid (EWB) is:

$$\begin{aligned} \text{EWB} = & [-26.64 + 0.681(\text{ALP}/\text{CPIF}) + 17.37(\text{CEDARCYPRESS}) + 12.06(\text{DFIR2G}) - \\ & 0.243(\text{SLOPE}(1\text{-HELI})) - 32.25 (\text{HELI}) + 9.71(\text{VPH}/1000) + \\ & 3.55(\text{Ln}(\text{PIECESIZE})) - 0.0758(\text{LOCATION}) - 5.41(\text{GAMBDIST400}) + \\ & 1.17(\text{Ln}(\text{VOL}/1000)) + 9.94(\text{CRUISE}) + 1.57(\text{DISTAVGNBID}) - \\ & 5.18(\text{ISOLATED}) - 3.29(\text{LUMPSUM})] \text{ CPIF} \end{aligned}$$

2. The EWB shall be rounded to 2 decimal places.
3. Where the calculated EWB is less than \$0.25, the EWB shall be \$0.25.

4.4 Specified Operations

1. The specified operations in sections 4.4.1 to 4.4.7 may be considered in an appraisal or a reappraisal.

4.4.1 Skyline

1. A skyline adjustment expressed in $\$/\text{m}^3$ may be calculated for those areas within a cutblock that:
 - a. are 600 metres or greater measured in a straight line horizontal distance from the centre of the closest possible landing or place where a landing may be located, and
 - b. are yarded by skyline.
2. The skyline adjustment may be calculated by adding the volume of timber to which the skyline may apply to the volume of timber to be helicopter yarded as prescribed in section 4.2.

4.4.2 Inland Water Transportation

1. An inland water transportation adjustment will be determined for that part of the cutting authority area where timber must be towed on Great Central, Owikeno or Powell Lake or any other inland water authorized by the person that determines the stumpage rate in order for the timber to be transported to the point of appraisal.
2. The adjustment shall be \$4.41 per cubic metre.

4.4.3 Clayoquot Sound Operating Costs

1. For the purposes of this section the Clayoquot Sound area is:

That part of the Hesquiat Peninsula, Esowista Peninsula, and the islands, sea and all lands and waters draining into the Pacific Ocean from the height of land between Escalante Point and Quisitis Point.

2. An adjustment of $\$6.11/\text{m}^3$ will be included in an appraisal or a reappraisal of a cutting authority area that is located entirely within the Clayoquot Sound area.

4.4.4 Helicopter Single Standing Stem Selection

1. In this manual helicopter single standing stem selection means the harvesting of standing single trees that have been marked, limbed, undercut and wedged and then broken from the stump and removed using a helicopter.
2. This adjustment may only be included in the appraisal or reappraisal of a cutting authority area if:
 - a. helicopter single standing stem selection is the only harvest method that has been permitted by the district manager to harvest timber in the cutting authority area, and
 - b. helicopter single standing stem selection is also, the only harvest method used to harvest all of the timber in the cutting authority area.
3. The adjustment for helicopter single standing stem selection includes the cost of marking, climbing, limbing, undercutting, wedging, breaking and removal of the tree by helicopter.
4. The adjustment for helicopter single standing stem selection is \$37.78/m³.

4.4.5 Destumping for Root Disease Control

1. Destumping is the activity of:
 - a. lifting and rolling of stumps out of the ground to lessen soil disturbance and root breakage,
 - b. destumping may also include the shaking of stumps to remove soil, and
 - c. raking the area immediately around the hole to remove any large root pieces.
2. A destumping adjustment will be determined for that part of the cutting authority area where destumping for root disease control is required. The treatment area must be accurately delineated and shown on the appraisal map and be included in the site plan.
3. The adjustment shall be \$1,114.00 per hectare of area that will be destumped.

4.4.6 Tree Crown Modification

1. Where the protection of trees is deemed necessary by a forest professional to achieve forest management objectives, a tree crown modification adjustment may be considered in the appraisal or reappraisal.
2. For the purposes of subsection (1), tree crown modification means the removal of 25% to 50% of the tree crown of standing trees by spiral pruning or tree topping.
3. The adjustment is the sum of the costs for all of the trees that are modified divided by the total net cruise volume of the cutting authority area.

4. The area requiring tree crown modification must be shown or described on the appraisal map and the calculations in support of the appraisal submission must be available for inspection upon request by the district manager.
5. The gross number of potential stems per hectare to treat will be based on the cruise stand table for the timber type that the treatment area is located within or is adjacent to. The potential stems excludes dead and deciduous trees.
6. The rate for tree crown modification:
 - a. for each old growth coniferous tree that is modified is \$42.11, and
 - b. for each second growth coniferous tree that is modified is \$19.95.

4.4.7 Ecosystem Based Management Operating Costs

1. Except as provided in subsection (2) of this section, the ecosystem based management adjustment may be considered in the appraisal of a cutting authority area that lies wholly within that part of the Coast Area when the licensee has an approved forest stewardship plan which conforms with the objectives listed under the Land Use Order to which land use objectives have been made applicable by orders made by the Minister of Natural Resource Operations pursuant to Section 93.4 of the *Land Act* entitled:
 - a. South Central Coast Order, dated July 27, 2007,
 - b. Central and North Coast Order, dated December 19, 2007, and
 - c. Haida Gwaii Land Use Objectives Order, dated December 16, 2010.
2. The ecosystem based management adjustment shall not be considered in the appraisal or reappraisal of a cutting authority area that is authorized for harvest under:
 - a. a woodlot licence referred to in section 1(3) of the South Central or Central and North Coast orders,
 - b. a community forest agreement referred to in section 1(4) of the South Central or Central and North Coast orders, or
 - c. the tree farm licence or non-replaceable forest licences that are referred to in section 1(4) of the South Central Coast Order.
3. The adjustment shall be \$2.75 per cubic metre.

4.5 Final Estimated Winning Bid

1. Subject to subsection 3 of this section the Final Estimated Winning Bid (FEWB) is the difference between the estimated winning bid and the total of the specified operations adjustments that are applicable to the appraisal or reappraisal of the cutting authority.

2. Expressed as an equation:

$$\text{FEWB} = \text{EWB} - \text{SOA}$$

Where:

EWB = The Estimated Winning Bid determined under section 4.3.

SOA = The sum of specified operations adjustments in an appraisal or a reappraisal of a cutting authority area as may be calculated under sections 4.4.1 through 4.4.7 and expressed in $\$/\text{m}^3$.

3. Where the FEWB calculated is less than $\$0.25/\text{m}^3$, then the FEWB shall be $\$0.25/\text{m}^3$.

7.7 Linear Tenures

1. For this section:

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

- a. right-of-way issued under an authority other than the *Forest Act*, or
- b. a pipeline right-of-way, or
- c. a highway right-of-way for a road administered by the Ministry of Transportation and Infrastructure, or
- d. transmission line, penstock, or powerhouse, or
- e. a forestry licence to cut issued under section 47.6(3) of the *Act* in conjunction with a BC Timber Sales road development contract.

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

2. The stumpage rate for a linear tenure shall be obtained from the schedule of average sawlog stumpage rates approved by the director under section 7.1, for the forest district in which the cutting authority area for the linear tenure is located **plus a basic silviculture cost adjustment**.
3. **The basic silviculture cost adjustment for linear tenures is \$3.20 per cubic metre.**
4. A stumpage rate determined under this section shall be redetermined in accordance with section 3.3.4.
5. Notwithstanding any other paragraph in this section, if the total volume exceeds 2 500 m³ the stumpage rate for a linear tenure may be determined through a full appraisal. Where a stumpage rate has been determined under this subsection, the procedures in chapter 3 shall apply.

7.8 Controlled Recreation Areas

1. The stumpage rate for a cutting authority area located within a Controlled Recreation Area (CRA) shall be the stumpage rate approved by the director under section 7.8.1, for the forest region in which the cutting authority area in the CRA is located.
2. A stumpage rate determined under this section shall be redetermined in accordance with section 3.3.5.
3. Notwithstanding any other paragraph in this section, the stumpage rate for a cutting authority area in a CRA may be determined through a full appraisal. Where a stumpage rate has been determined under this subsection, the procedures in chapter 3 shall apply.

7.8.1 CRA Stumpage Rate

1. Timber Pricing Branch shall produce the average appraised sawlog stumpage rate for the Coast Area. This rate is approved by the director for each quarter (January 1, April 1, July 1 and October 1).

District: Campbell River							
Location	ALD Code	Co-ordinates (Approximately)					
		Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
Quadra Island - Plumper Bay	QIPB	50	10	00	125	20	11
Royston	ROYS	49	39	09	124	57	11
Sonora Island - Horn Bay, North of Sonora Island	SIHB	50	25	20	125	12	24
Sonora Island – Woods Bay	SOWO	50	18	56	125	17	39
Sunderland Channel – Hill Point, Topaze Harbour	SCJB	50	31	01	125	45	24
Sunderland Channel - Topaze Harbour, Jackson Bay	SCTH	50	31	18	125	49	35
Tahsis Inlet - Tsowwin River	TITR	49	46	26	126	38	06
Tahsis Inlet - West Tahsis	TIWT	49	52	26	126	40	25
Thurston - Sonora Island	THUR	50	22	07	125	18	56
Tlupana Inlet - Head Bay	TLHB	49	47	30	126	29	31
Tlupana Inlet - Deserted Lake	TLDL	49	46	21	126	28	39
Tlupana Inlet - Nesook Bay	TLNB	49	45	21	126	25	13
Union Bay - Union Bay DLS	UBUB	49	35	02	124	53	31
Wellbore Channel - Darcy Point, East of Hardwicke Island	WCDP	50	25	53	125	43	07
West Thurlow Island - Butterfly Bay	WTBB	50	24	00	125	33	00
West Thurlow Island - Knox Bay DLS	WTKB	50	23	25	125	37	19
Zeballos Inlet - Little Zeballos	ZILZ	49	56	20	126	47	59
Zeballos Inlet - South (Ciriaco)	ZISC	49	55	16	126	48	38
Zeballos Inlet - Zeballos	ZIZE	49	58	41	126	51	27

South Island Forest District

District: South Island							
Location	ALD Code	Co-ordinates (Approximately)					
		Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
Alberni Inlet - China Creek	ALCH	49	9	20	124	47	32
Alberni Inlet – Coleman Creek	ALCO	48	59	50	124	52	22
Alberni Inlet - Shoemaker Bay	ALSB	49	13	33	124	50	08
Alberni Inlet - Spencer Creek DLS	ALSP	48	58	24	124	54	38
Barkley Sound - Cataract Lake DLS	BACA	48	57	28	125	15	40
Barkley Sound - Sarita DLS	BASA	48	52	59	125	02	11
Barkley Sound - Skull Lake DLS	BASK	49	02	37	125	09	48
Barkley Sound - Toquart Bay DLS	BATO	49	01	23	125	21	40
Barkley Sound - Tzartus Island	BATZ	48	56	59	125	04	07
Chemainus	CHEM	48	54	59	123	42	24
Coastland	COAS	49	08	47	123	55	41
Cypre River DLS, Hecate Bay	CYPR	49	14	48	125	56	38
Duke Point	DUKE	49	08	45	123	52	38
Effingham Inlet	EFIN	49	05	36	125	11	23
Flores Island - Steamer Cove	FLSC	49	22	40	126	11	31
Galiano Island	GALI	48	53	-	123	20	-
Great Central Lake - Dorothy	GCDO	49	21	38	125	23	02
Great Central Lake - Lakeside	GCLA	49	21	29	125	11	36
Great Central Lake - McBride	GCMC	49	23	35	125	25	44
Great Central Lake - Mercs	GCME	49	21	48	125	15	57
Great Central Lake - View	GCVI	49	23	20	125	22	45
Herbert Inlet - Beddingfield Bay DLS	HEBE	49	21	04	125	59	27
Jordan River	JORD	48	25	26	124	03	25
Ladysmith DLS	LADY	48	54	59	123	42	20
Ladysmith Head	LADH	49	01	39	123	51	19
Mayne Island - Horton Bay	MIHB	48	49	44	123	15	01
Mud Bay, Fanny Bay DLS	MUDB	49	27	48	124	47	44
Mooyah	MOOY	49	37	51	126	27	23
Nootka Sound - Zuciarte Channel, Mooyah Bay	NSZC	49	39	30	126	29	41
Northwest Bay, Parksville	NBPA	49	17	49	124	12	45

Appendix IX Amortization Agreement Form



Ministry of
Forests, Lands and
Natural Resource Operations

Amortization Agreement - Coast

This document constitutes an agreement to distribute a portion of the development cost estimate included in the appraisal for the cutting authority indicated below to the tributary cutting authorities identified below in accordance with the *Coast Appraisal Manual* in effect at the time the agreement is signed.

The agreement must be reviewed and approved by the Regional Executive Director (or designate). A copy of this agreement becomes an integral part of the appraisal for each of the tributary cutting authorities identified below.

Complete Legal Name of Licensee:			
Licensee Address:			
Licence:	CP:	Mark:	ECAS ID:

Development Project(s): <i>(attach map showing locations(s))</i>	
TOTAL COST ESTIMATE FOR APPORTIONMENT (\$):	_____
Cutting Permit	Amount Apportioned (\$)
Total Amount Apportioned (\$):	

This agreement is made for appraisal purposes only under the Market Pricing System and does not confer any obligation on the Crown to compensate licensees for any unamortized costs.

Licensee Representative Name & Title (printed)
Licensee Representative Signature
Date Signed (yyyy/mm/dd)
Approved by Regional Executive Director (or designate)
Name (print)
Date Signed (yyyy/mm/dd)

FS 1423 HVA 2014/08 Please be advised that this information may be released under the Freedom of Information and Protection of Privacy Act

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