

File: 280-20

MAY 18 2006

BY EMAIL

To: Cindy Stern
Regional Manager
Coast Forest Region

From: The Honourable Rich Coleman
Minister of Forests and Range

Re: Amendment No. 13 to the *Coast Appraisal Manual*

I hereby approve Amendment No. 13 to the *Coast Appraisal Manual*, and attach a copy for your use. The following sections have been amended:



Section 1.1:	Appraisal log dump definition removed.
Section 3.3.1:	Changed circumstance threshold revised to 15 percent.
Section 3.3.1.2:	Change to the effective date of a changed circumstance reappraisal.
Section 4.2.1(1)b:	Updated web link.
Sections 4.2.2.1, 4.2.2.2, 4.2.2.3, 4.2.2.3.1 and 4.2.2.3.2:	Update of log grade source selection.
Section 4.2.5.2:	Procedure to determine the appraisal log dump.
Table 4-5:	Barging distance corrections.
Section 5.4:	Name change from road maintenance to road management.
Section 5.10:	Housekeeping.
Section 7.5:	Stumpage rates now charged by species.
Appendix VI:	List of appraisal log dumps.

Cindy Stern

This amendment will come into force on June 1, 2006. Further amendments or revisions to this manual require my approval.



Rich Coleman
Minister

Attachment

pc: Bill Howard, Director, Revenue Branch

Coast Appraisal Advisory Committee



FOR FURTHER INFORMATION CONTACT:

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MANUAL TITLE

Coast Appraisal Manual

REVISION No.

Amendment No. 13

ISSUE DATE

June 1, 2006

MANUAL CO-ORDINATOR

Judy Laton
Revenue Branch

AUTHORIZATION (Name, Title)

W. Howard
Director, Revenue Branch

Please make the following changes to your copy of the above Ministry manual. Please insert the following specified pages and **file this notice** immediately after the Amendments Tab.

ACTION (Remove/Insert)	(VOL.) CHAPTER-SECTION-SUBJECT	PAGE(S)	COMMENTS
REMOVE	Table of Contents	i – vi	After Table of Contents Tab
INSERT		i – vi	
REMOVE	Chapter 1	1 – 4	After Chapter 1 Tab
INSERT		1 – 4	
REMOVE	Chapter 3	3 – 6	After Chapter 3 Tab
INSERT		3 – 6	
REMOVE	Chapter 4	5 – 24	After Chapter 4 Tab
INSERT		5 – 24	
REMOVE	Chapter 5	23 – 26 29 – 30	After Chapter 5 Tab
INSERT		23 – 26 29 – 30	
REMOVE	Chapter 7	7 – 8	After Chapter 7 Tab
INSERT		7 – 8	
REMOVE	Appendices	9 – 28	After Appendices Tab
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Definitions and Interpretations

1

1.1 Definitions and Interpretations

In this manual:

"Act" means *Forest Act*;

"Appraisal Data Submission" means the information required by the person who determines the stumpage rate to determine that rate including the appraisal map, appraisal summary report, cruise compilation and any other information required by the regional manager or district manager in the form required by the director, signed by a registered professional forester (RPF) or registered forest technologist (RFT), registered with the Association of British Columbia Forest Professionals;

"Billing history record" means a record of log scale data derived from a record kept by the Revenue Branch of log scale data reported on stumpage invoices issued by the Revenue Branch for timber scaled under section 94 of the *Act*;

"BCTS" means British Columbia Timber Sales;

"Coniferous cruise volume" means that part of the total net cruise volume which is coniferous timber;

"Detailed engineering" means non-tabular;

"Cutting authority" means:

- (a) a cutting permit issued under a forest licence, a timber sale licence, a timber licence, tree farm licence, a community forest agreement, a community salvage licence, a woodlot licence, or forestry licence to cut,
- (b) a timber sale licence that does not provide for the issuance of a cutting permit,
- (c) a licence to cut, or
- (d) a road permit;

"Cutting authority area" means the area where timber may be harvested under authority of:

- (a) a cutting permit,
- (b) a timber sale licence that does not provide for the issuance of a cutting permit,
- (c) a licence to cut, or
- (d) a road permit;

"Deciduous timber" means timber that is any of the alder, birch, cottonwood and maple species;

"Director" means director of Revenue Branch of the Ministry of Forests;

"District manager" means district manager or district manager's designate;

"Licensee" means the holder of a cutting authority;

"Manual" means *Coast Appraisal Manual*;

"Mature coniferous timber" means coniferous timber that is 141 years old or older;

"Minister" means Minister of Forests;

"Ministry" means Ministry of Forests;

"Net cruise volume" means the gross volume of all species listed in section 4.2.3(1), plus alder, birch, cottonwood and maple in the cutting authority area minus the volume of decay, waste and breakage in that timber unless otherwise specified in the *Cruising Manual*;

"Regional manager" means regional manager or regional manager's designate;

"Regulations" means regulations under the *Act*;

"Remaining volume" means the total net cruise volume of a cutting authority area minus the total volume of timber in the billing history record of the cutting authority area on the effective date of the reappraisal of the cutting authority area;

"Revenue Branch" means revenue branch of the ministry;

"Second growth coniferous timber" means coniferous timber that is less than 141 years old;

"Selling price zone 51" means the table of coast market pricing system log values for mature logs, approved by the director, Revenue Branch;

"Selling price zone 52" means the table of coast market pricing system log values for second growth logs, approved by the director, Revenue Branch;

"Stumpage price" means the market stumpage price;

"Stumpage rate" means market stumpage rate;

"Skyline" means any method of yarding where the logs are fully suspended above the ground by a short span, long span, or multi-span system using a carriage with standing or running lines;

"Total net cruise volume" of a cutting authority area (tnvc) is the product of the net cruise volume per hectare of the cutting authority area (ncv/ha) multiplied by the total merchantable timbered area to be harvested under the cutting authority (tmta). Expressed as an equation: $tnvc = \frac{ncv}{ha} \times tmta$;

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

"Unit cost" means cost estimate expressed in dollars per cubic metre.

3.2 Appraisals

1. An appraisal is a process used to determine a stumpage rate for a cutting authority area using the manual in effect on the effective date of the cutting authority. The appraisal is effective on the effective date of the cutting authority.
2. A licensee or BCTS shall submit the appraisal data submission to the district manager when the licensee or BCTS makes an application for a cutting authority.
3. The district manager may require the licensee or BCTS to complete and submit an estimated stumpage rate calculation for both helicopter and cable methods of harvesting when the district manager is not satisfied that the method proposed by the licensee or BCTS is the only method that is suitable for the area intended to be harvested.
4. The district manager may review the licensee or BCTS appraisal data submission and may inform the licensee or BCTS of any omissions, errors or provisions of the manual that, in the opinion of the district manager, the signing RPF or RFT may not have considered. The licensee or BCTS signing RPF or RFT may consider the district manager's information and may revise the appraisal data submission.
5. The district manager shall give any information supplied by the licensee or BCTS under this section to the person who determines the stumpage rate together with any other information that the district manager considers relevant to the appraisal.
6. The person who determines the stumpage rate may review the licensee or BCTS submission, and information supplied by the district manager, and may inform the licensee or BCTS of any omissions, errors or provisions of the manual that, in the opinion of the person who determines the stumpage rate, the signing RPF or RFT may not have considered. The licensee or BCTS signing RPF or RFT may consider the information and may revise appraisal data submission.
7. The person who determines the stumpage rate shall consider:
 - a. the information provided by the licensee or BCTS and the district manager, and
 - b. any information available to the person who determines the stumpage rate that is relevant to the appraisal.
8. Regional staff will notify the applicant of the stumpage rate determination.

3.3 Reappraisals

1. A reappraisal is a process used to redetermine a stumpage rate for a cutting authority using the manual in effect on the effective date of the reappraisal.
2. Except as provided for under sections 3.3.1(1)(d), 3.3.2 and 3.3.4, a reappraisal is based on a complete reassessment of the cutting authority area on the effective date of the reappraisal, as if the area has been returned to the condition as it was prior to development or harvesting.
3. Non-tabular cost estimates made in the appraisal of a cutting authority area may be re-estimated once in a subsequent reappraisal after works have been constructed using information required under section 5.3.4.
4. Road development costs originally estimated using ministry approved competitive bids may not be re-estimated in a reappraisal.

3.3.1 Changed Circumstances

1. In this section a changed circumstance means a circumstance where:
 - a.
 - (i) The licensee plans to use a method of harvesting to harvest at least **fifteen** percent of the volume of timber in the cutting authority area that is different from the method that was planned to be used for that timber at the time of the most recent appraisal or reappraisal of the cutting authority area, and
 - (ii) the different method of harvesting that is planned to be used:
 - (aa) when used in the changed circumstance reappraisal will produce the highest stumpage rate, and
 - (bb) is different from the method of harvesting that was used in the most recent appraisal or reappraisal, or
 - b. there has been or will be a change in the amount of road development of at least **fifteen** percent in the total road development unit cost since the most recent appraisal or reappraisal caused by changes to the appraisal field data that will be used in the changed circumstances reappraisal, or
 - c. land containing merchantable timber has been either added to or deleted from the cutting authority area since the most recent cruise compilation or recompilation was used in an appraisal or reappraisal that exceeds 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 any of sections 75 through 95 of the *Forest Practices Code of British Columbia Act* or the *Forest Fire Prevention and Suppression Regulation*.
- 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 in existence prior to the reappraisal does not change and remains in effect.

3.3.1.1 Changed Circumstance Reappraisal Procedure

- 1. Where the cutting authority area must be reappraised because of a changed circumstance, the licensee shall submit to the district manager an appraisal data submission.
- 2. Thereafter, the reappraisal procedure shall be the procedure required by section 3.2(2) through 3.2(8).

3.3.1.2 Effective Date of Changed Circumstance Reappraisal

- 1. Except as provided in subsections (2) and (3) of this section, **a reappraisal because of a changed circumstance is effective on the day after the effective date of the most recent appraisal or reappraisal of the cutting authority area prior to the changed circumstance reappraisal.**
- 2. Where the changed circumstance is because of **an** amendment to the cutting authority area referred to in subsection 3.3.1 (1)(c), the reappraisal is effective on the first day of the month following the date that the district manager approves the amendment.
- 3. Where the changed circumstance is **a result** of sudden and severe damage referred to in subsection 3.3.1(1)(d), 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.**

3.3.2 Annual Reappraisal of a Road Permit

1. Subject to section 7.3, a cutting authority area that is the subject of a road permit must be reappraised effective November 1, 2004 and annually on February 1st of every year thereafter.
2. The stumpage rate determined under subsection (1) of this section will be a fixed stumpage rate until the cutting authority area is reappraised.

3.3.3 Annual Reappraisal of Salvage Logging Stumpage Rates

1. Except where a cutting authority requires the payment of a bonus bid or a bonus offer, where the stumpage rate for a cutting authority has been determined under section 7.4, the cutting authority area authorized for harvest under that cutting authority must be reappraised effective April 1, 2006 and thereafter annually on March 1st of every subsequent year.
2. A stumpage rate determined under subsection 1 of this section will be a fixed stumpage rate between the time that the cutting authority area is reappraised and the time that it is subsequently reappraised.

3.3.4 Minister's Direction

1. The Minister may direct that a reappraisal be made at any time and that the redetermined stumpage rate will be effective on any future date.
2. The Minister may specify criteria and procedures for an appraisal or reappraisal.

3.3.4.1 Minister's Direction Reappraisal Procedure

1. Where the Minister directs a reappraisal to be made under section 3.3.4, and the district manager requests the licensee to submit an appraisal data submission, the submission shall be submitted to the district manager within forty-five days of the district manager's request.
2. Thereafter the reappraisal procedure shall be the procedure required by section 3.2 (2) through 3.2 (8).

4.2.1 Log Selling Prices

1. The Revenue Branch shall:
 - a. Compile invoiced free on board log market values using prime, domestic, arm's-length sales reported to the Revenue Branch prior to sixty days before the stumpage rate adjustment date that have occurred in areas adjacent to:
 - i. the Strait of Georgia;
 - ii. the Strait of Juan de Fuca;
 - iii. Alberni Inlet east of a line drawn south from Amphitrite Point;
 - iv. Johnstone Strait;
 - v. the Queen Charlotte Strait south of a line drawn west from Cape Caution; and
 - vi. Fraser River west of the bridge at the confluence of the Pitt River.
 - b. Subject to subsection 2 of this section compile schedules of average log market values by species and log grade using sales data for each one-month reporting period. The data shall be summarized into a three-month schedule of average log market values by species and log grade for mature timber stumpage rate determinations. A three-month schedule of average log market values by species and log grade for second growth stumpage determinations shall also be produced. These schedules can be found at <http://www.for.gov.bc.ca/hva/timberp/parameters/historical.htm>.
2. The volumes and prices of alder, birch, cottonwood and maple shall not be included in the schedules of average log market values.
3. The director shall approve schedules of average log market values for use in stumpage appraisals, reappraisals and quarterly adjustments.

4.2.1.1 Coniferous Timber

1. The volume of mature coniferous timber and the volume of second growth coniferous timber in a cutting authority area will each be compiled from the timber cruise of the cutting authority area on a tree by tree basis.
2. Where the volume of second growth coniferous timber in a cutting authority area is at least eighty percent of the volume of all of the coniferous timber in that cutting authority area, the cutting authority area will be appraised and reappraised as if all of the coniferous timber in that cutting authority area were second growth coniferous timber.

4.2.2 Log Grade Percentages

Log grade percentages are obtained for each species of timber in each cutting authority area being appraised or reappraised as described in section 4.2.2.1, 4.2.2.2, 4.2.2.3, 4.2.2.3.1, 4.2.2.3.2 and 4.2.2.4.

4.2.2.1 Billing History Record

1. Except as provided in sections 4.2.2.2, and 4.2.2.4, the billing history record that will be used in an appraisal or reappraisal of a cutting authority area will be determined using either Table 4-2 or Table 4-3 as may be required by this manual.
2. The date of issue of a stumpage invoice shall determine the period for which the log scale data in that invoice will be included in a billing history record.
3. Except as provided in sections 4.2.2.3.1(6) and 4.2.2.3.2(8), the billing history record shall be for a period of two years.

Table 4-2: 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 4-2, the two-year billing history record shall be for the two-year period ending on the corresponding date in Column 2 of Table 4-2 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(6) 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 4-2, the five-year billing history record shall be for the five-year period ending on the corresponding date in Column 2 of Table 4-2 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(6) and 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.

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 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 subsections (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 predictions when:
 - (a) the cutting authority area being appraised or reappraised is authorized for harvesting under a cutting authority that has been issued under a woodlot licence, or
 - (b) The entire net cruise volume of the cutting authority area being appraised or reappraised will be harvested using helicopter single standing stem selection.
6. Where:
 - (a) at least eighty percent of the timber in a cutting authority area being appraised or reappraised is second growth coniferous timber, or
 - (b) the cutting authority area is not a cutting authority area referred to in subsection (5) of this section and the timber in 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, or
 - iii. cutting permit issued under a replaceable timber sale licence,

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

 - (c) the two year billing history record, 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
 - (d) the cruise compilation algorithm predictions, where the two year billing history record for that cutting authority does not include at least 25 percent of the

cutting authorities' net cruise volume of that species or 2 000 m³, whichever is greater.

7. Where a forest licence is subdivided **or forest licences are consolidated** into one or more forest licences under section 19 of the *Act*, **then** for a period of two years after the date of the subdivision **or consolidation** the log grade percentages for a cutting authority area **being appraised or reappraised that are** determined under section 4.2.2.3.2 will be the combined billing history record **of the licence or licences that existed before the subdivision or consolidation and that exist after the subdivision or consolidation.**

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), and 4.2.2.2(7) 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(6).
 - 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 **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 5 of this section.
 5. 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 6 of this section**.
 6. **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 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.**

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(6).
- 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 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 authorities issued under the licence authorizing harvest in that same timber supply area 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.

6. a. Where the cutting authority area being appraised or reappraised is authorized for harvest under a cutting permit issued under either a forest licence, timber licence or licence to cut, 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 cutting permit issued under either a forest licence, timber licence or licence to cut, and the species being considered has a two year billing history record for the entire 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 cutting permit issued under either a forest licence, timber licence or a licence to cut, 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 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.

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 average log market value 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 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 average log

market values will be used to calculate the species selling price for all Douglas-fir timber.

4.2.4 Haul Distance

1. The haul distance (HAUL) 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 is the average weighted distance calculated in paragraph (b) of this subsection plus the rehaul distance if required for inland water transportation as provided for under 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 as provided in subsection 2 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,
2. 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.
3.
 - 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 4-4 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 4-4, 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 and the Determination of Barging Distance (BARGEDIST)

1. Log barging is a log transportation method that may be considered in an appraisal or reappraisal.
2.
 - a. Table 4-5 lists barging points of origin, the corresponding point of appraisal for each barging point of origin, and the distance between a barging point of origin and the corresponding point of appraisal.

- b. Where an appraisal log dump is at a barging point of origin, the bargedist is the distance between that barging point of origin and the corresponding point of appraisal for that barging point of origin.
- c. Where an appraisal log dump lies between two barging points of origin that both have the same corresponding point of appraisal the bargedist is the average of the two distances between the two barging points of origin and the point of appraisal.
- d. Where an appraisal log dump lies between two barging points of origin where each barging point of origin has a different corresponding point of appraisal the bargedist is the average of the distances between each barging point of origin and its corresponding point of appraisal.

Table 4-4: 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	SOUTHWEST 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	HALF	FOOT HARRISON LAKE	P
LOUH	H. LOUGHBOROUGH	G	PILF	FOOT OF PITT LAKE	P
SEIH	H. OF SECHELT INLET	G	HABY	HARRISON BAY	P
TOIH	H. OF TOBA INLET	G	HATZ	HATZIC	P
INAR	INDIAN ARM	G	HALH	HEAD HARRISON LAKE	P
KLBY	KELSEY BAY	G	PILH	HEAD OF PITT LAKE	P
MNCK	McNAB CREEK	G	HALM	MID HARRISON LAKE	P
MEBY	MENZIES BAY	G	PIRV	PITT RIVER BRIDGE	P
MESD	MEREWORTH SOUND	G	SICK	SILVERHOPE CREEK	P
JEIM	MOUTH JERVIS INLET	G	WHON	WHONNOCK	P

P/A = Point of Appraisal as follows:

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

Table 4-5: Barging Distances

Code	Point of Origin	P/A	km	Code	Point of Origin	P/A	km
BACK	BARR CREEK	A	268	BOIN	BOSWELL INLET /SECURITY BAY	G	462
BLBY	BLOWHOLE BAY	A	259	CAIS	CAMPBELL ISLAND	G	560
CLCK	CLEAGH CREEK	A	394	DIBY	DINAN BAY	G	1047
COHA	COAL HARBOUR	A	418	ELHA	ELCHO HARBOUR	G	577
CYRV	CYPRE RIVER	A	184	FEBY	FERGUSON BAY	G	1032
EAIN	EASY INLET	A	325	RIIH	HEAD OF RIVERS INLET	G	498
ESIN	ESPINOSA INLET	A	298	SBEH	HEAD OF SOUTH BENTINCK ARM	G	636
GORV	GOLD RIVER	A	265	HNRV	HONNA RIVER	G	921
HEBY	HEAD BAY	A	256	KMBY	KEMANO BAY	G	810
BESH	HEAD OF BEDWELL SOUND	A	196	KHIN	KHUTZEYMATEEN INLET	G	948
HENO	HECATE CHANNEL - NOOTKA	A	260				
HOLB	HOLBERG	A	448	KIMS	KIMSQUIT	G	648
HORV	HOUSTON RIVER	A	250	KLEM	KLEMTU	G	610
HUCK	HUSHAMU	A	430	KUIN	KUMEALON INLET	G	820
INGE	INGERSOLL	A	397	KWBY	KWATNA BAY/MINERVA CREEK	G	564
JELA	JEUNE LANDING	A	415	KWRV	KWINAMASS RIVER	G	942
KEIN	KENDRICK INLET	A	244	MCBY	McCLINTON BAY	G	1053
KOHA	KOPRINO HARBOUR	A	382	MOIN	MOSES INLET/INRIG BAY	G	501
KUCV	KULTUS COVE	A	403	NAHA	NADEN HARBOUR	G	1014
MCKK	McCURDY CREEK	A	262	NABY	NASS BAY	G	972
MORV	MOOYAH RIVER	A	244	NORV	NOOTUM RIVER	G	519
OUIN	OUOUKINSH INLET	A	334	OCFA	OCEAN FALLS	G	564
PLHA	PLUMPER HARBOUR	A	238	POIS	PORCHER ISLAND	G	852
PTL	PORT ELIZA	A	280	PRRU	PRINCE RUPERT	G	867
RACV	RANKIN COVE	A	211	RESO	RENNELL SOUND	G	927
STCV	STEAMER COVE	A	199	REPA	RENNERS PASSAGE	G	924
TLRV	TLUPANA RIVER	A	253	SCRV	SCOTIA RIVER	G	891
TSRV	TSOWWIN	A	250	SWIN	SEWELL INLET	G	864
WIHA	WINTER HARBOUR	A	382	SKIN	SKIDEGATE INLET	G	918
ZEB	ZEBALLOS	A	278	SOBY	SOUTH BAY	G	927
ALAR	ALICE ARM	G	1029	STEW	STEWART	G	1068
ALBY	ALLIFORD BAY	G	918	TASU	TASU SOUND	G	860
BEAN	BEATTIE ANCHORAGE	G	858	TUIN	TUCK INLET	G	879
BECO	BELLA COOLA	G	609	WECK	WEEWANIE CREEK	G	765
BIBY	BISHOP BAY	G	723	WOCH	WORK CHANNEL	G	948

P/A = Point of Appraisal as follows:

A = ALBE = Alberni
G = GAMB = Gambier Island

4.3 Estimated Winning Bid (EWB) Equation

1. The equation in subsection (2) of this section shall be used in the calculation of the preliminary estimated winning bid (PEWB).
2.
$$\text{EWB} = [-22.1404 + 3.4604 (\text{CRUISE}) - 19.0026 (\text{HEMBAL2G}) + 0.7844 (\text{ALP/CPIF}) - 2.8796 (\text{Ln } (0.01 + \text{HEMBAL OG})) - 0.1662 (\text{SLOPE } (1 - \text{HELI})) - 40.0910 (\text{HELI}) + 11.9470 (\text{Ln } (\text{VPH}/1000)) + 10.0684 (\text{Ln NB}) - 0.0342 (\text{HAUL}) - 0.0113 (\text{BARGEDIST})] \text{ CPIF}$$

4.3.1 Estimated Number of Bidders (ENB) Equation

1. The following equation shall be used to calculate the (ENB).
2.
$$\text{ENB} = 0.2417 - 0.00639 (\text{LOCATION}) + 2.1450 (\text{HEMBAL2G}) + 0.8341 (\text{Ln } (\text{VOL}/1000)) - 1.5888 (\text{CABLE}) + 0.0973 (\text{EWB/CPIF}) + 2.8896 (\text{DFIR2G})$$
3. The ENB shall be rounded to one decimal place.
4. Where the calculated ENB is less than 1, the ENB shall be 1.

4.3.2 Steps to Calculating Preliminary Estimated Winning Bid (PEWB)

- Step 1: Calculate EWB using the equation in section 4.3(2) where NB is given the value of 5.9.
- Step 2: Calculate the ENB using the equation in section 4.3.1(2) where EWB is given the value calculated in step 1.
- Step 3: Calculate the EWB again using the equation in section 4.3(2) where NB is given the value that was calculated for ENB in step 2.
- Step 4: Calculate the ENB again using the equation in section 4.3.1(2) where EWB is given the value that was calculated in step 3.
- Step 5: Repeat steps 3 and 4 until the calculated EWB, rounded to the nearest \$0.01/m³ is duplicated.
- Step 6: The result calculated in step 5 is the PEWB, except that where the calculated PEWB is less than \$0.25/m³, then the PEWB shall be \$0.25/m³.

4.4 Specified Operations

1. The specified operations in sections 4.4.1 to 4.4.6 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. Except as provided in subsections 3 and 4 of this section, an inland water transportation adjustment will be determined where timber must be towed on Great Central, Owikeno or Powell Lake, or any other inland water approved 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 determined by applying the following equation:

$$\$/\text{m}^3 = 3.498 + 0.01865 (D)$$

Where:

D = Inland water tow distance in km.

3. Where the Silverhope Creek point of origin is used in the appraisal or reappraisal of a cutting authority area the inland water tow adjustment is $\$2.25/\text{m}^3$.
4. Where timber is towed on Harrison Lake:
 - a. The following equation shall be used to calculate an inland water tow adjustment where the point of origin that must be used in the appraisal or reappraisal is mid-Harrison Lake (HALM).

$$$/m^3 = -0.09690 + 0.008207 (D1) + 0.04628 (D2)$$

Where:

D1 = tow distance from the appraisal log dump to Pitt River Bridge point of appraisal, and

D2 = truck haul distance from the appraisal log dump to Harrison Bay.

- b. Where the point of origin that must be used in the appraisal or reappraisal is head Harrison Lake (HALH) the following equation shall be used to calculate the inland water tow adjustment:

$$$/m^3 = 4.2223 + 0.008207 (D1) + 0.01045 (D2)$$

Where:

D1 = tow distance from the appraisal log dump to Pitt River point of appraisal.

D2 = tow distance from the appraisal log dump to mid-Harrison Lake point of origin.

4.4.3 Tree Crown Modification

1. Where the district manager approves the protection of trees from wind throw by tree crown modification, a tree crown modification adjustment may be considered in the appraisal or reappraisal.
2. 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.
3. Where tree crown modification is approved:
 - a. the rate for each mature coniferous tree that is modified is \$53.50, and
 - b. the rate for each second growth coniferous tree that is modified is \$36.38.

4.4.4 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 \$13.31/m³ will be included in an appraisal or a reappraisal of a cutting authority area that is located entirely within the Clayoquot Sound area.

4.4.5 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. is 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.

4.4.6 Second Growth Coniferous Timber

1. A second growth coniferous timber adjustment will be included in an appraisal or reappraisal of the cutting authority area as follows:
 - a. For an appraisal where the effective date of the stumpage rate determined is:
 - i. between February 29, 2004 and December 31, 2006, the adjustment shall be \$3.67/m³;
 - ii. between January 1, 2007 and June 30, 2007, the adjustment shall be \$1.84/m³.
 - b. No adjustment will be included in an appraisal or a reappraisal of a cutting authority area where the effective date of the stumpage rate determined is after June 30, 2007.

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 preliminary 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:

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

Where:

PEWB = The Preliminary Estimated Winning Bid determined under section 4.3.2.

SOA = The sum of specified operations adjustments considered in an appraisal or a reappraisal of a cutting authority area as may be calculated under sections 4.4.1 through 4.4.6 and expressed in $\$/\text{m}^3$.

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

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5.4 Road **Management** Cost

1. A road **management** cost may be used in the calculation of a tenure obligation adjustment to take into account the licensee's performance of the following activities:
 - a. grading,
 - b. brush control,
 - c. minor surfacing repairs,
 - d. sanding,
 - e. snowplowing,
 - f. ditch maintenance and repair,
 - g. replacement of culverts ≤ 0.9 m on active roads,
 - h. slough removal,
 - i. deactivation,
 - j. minor repairs to roads due to slides, erosion and flood damage,
 - k. road use charges except those described in section 5.5.
2. A road **management** cost may only be included in the calculation of a tenure obligation adjustment for those parts of a cutting authority area where the logs will be transported over a road by truck.
3. Where the cutting authority area is located in the Sunshine Coast, Squamish, Campbell River, Chilliwack or South Island Forest District, the road **management** cost is \$1.58/m³.
4. Where the cutting authority area is located in the Queen Charlotte, North Coast or North Island - Central Coast Forest District, the road **management** cost is \$2.02/m³.

5.5 Road Use Charges

1. A road use charge may be used in the calculation of a tenure obligation adjustment, if:
 - a. the road to which the road use charge applies is required to transport logs from the cutting authority area to the appraisal log dump,
 - b. the road use charge is not referred to in subsection 2, or 3a or 3b of this section,
 - c. the licensee submits to the district manager with the appraisal data submission:
 - i. a completed Request for Approval of a Road Use Charge Form,
 - ii. a map showing the location of the road and a copy of the written road use agreement, and
 - iii. written confirmation by the regional manager that the road use charge specified in the application, or an amount specified by the regional manager is approved, and
 - d. the term of the road use agreement is completely within the period for which the appraisal shall apply, and
 - e. the licensee promises in writing to submit a copy of every auditable monetary transaction evidencing payment by the licensee for road use when that is requested by the regional manager.
2. Charges as a Share of Road Maintenance
 - a. These charges may not be included in an appraisal or reappraisal.
3. Miscellaneous Road Charges
 - a. Forest Service Roads

No road use charges with respect to a road that is declared, determined, built, maintained or modified by the ministry, may be included in an appraisal or reappraisal;
 - b. Permitted Road

No road use charges for roads built on Crown land, authorized by road permit or any other cutting authority document may be included in an appraisal or reappraisal;

c. Other Roads

No road use charge for a road on an Indian reserve or on private land owned by a third party at arm's length and not subject to a lease held by the licensee, its affiliate or agent of either the licensee or the third party, may be included in an appraisal or reappraisal unless there is no route capable of being built at a lower cost through Crown land and the charges are reasonable, do not exceed compensation that might be determined under the forest legislation, and are proven through the presentation of auditable documents.

4. Land Use Charges

No land use charges may be considered in an appraisal or a reappraisal.

5.6 Basic Silviculture Cost

1. Except where basic silviculture performed or to be performed on a cutting authority area is or will be funded by the Crown or an agent of the Crown a basic silviculture cost may be used in the calculation of a tenure obligation adjustment where the licensee is required to perform basic silviculture on the cutting authority area being appraised or reappraised.
2. The basic silviculture cost depends on the geographic location of the cutting authority area being appraised or reappraised as described in table 5-7.

Table 5-7: Basic Silviculture Cost

Where the cutting authority area is located in:	The basic silviculture cost expressed in \$/m ³ is:
Queen Charlotte Island Forest District	3.09
Chilliwack Forest District	4.42
Squamish Forest District	2.69
Sunshine Coast Forest District	3.38
South Island Forest District	2.73
Campbell River Forest District	2.16
North Island - Central Coast Forest District	2.49
North Coast Forest District	3.42

5.9 Return to Forest Management

The return to forest management factor is 1.093.

5.10 Tenure Obligation Adjustment

1. The tenure obligation adjustment is used to calculate the stumpage rate for a cutting authority other than a timber sale licence entered into under section 20 of the *Act*.
2. The tenure obligation adjustment (TOA) is calculated as follows:

$$\text{TOA} = \left[\frac{\text{FPA} + \text{LVC} + \text{RD} + \text{RM} + \text{RU} + \text{BS}}{1 - \text{YG}} * \text{RFM} \right] - \text{MLRC}$$

Where:

FPA = forest planning and administration cost

LVC = low volume cost

RD = total road development cost

RM = road management cost

RU = road use charges cost

BS = basic silviculture cost

YG = Y grade number

RFM = return to forest management

MLRC = market logger road cost

schedule of average sawlog stumpage rates for damaged timber approved by the Director.

4. Where the source of the salvaged timber is post harvest material, the stumpage rate for each species of timber in a forest district will be determined using the schedule of average sawlog stumpage rates for post-harvest material approved by the Director.

7.4.1 Levies for Salvage Forestry Licences to Cut Cutting Authorities

1. An administration levy may be added to the reserve stumpage rate. The administration levy is equal to the district manager's cost estimate of administration provided by the Crown for preparing a Forestry Licence to Cut for salvage timber. An administration cost estimate is made for every cutting authority where the district office has to prepare all details of a Forestry Licence to Cut for salvage. No levy is applicable to professional applications.
2. A basic silviculture levy may be added to the reserve stumpage rate. The levy is equal to the district manager's cost estimate of silviculture liability to be incurred by the Crown.

7.5 Cutting Authority Area With Less than 2 500 m³ of Timber Volume

1. Where a cutting authority area has less than 2 500 m³ of timber the stumpage rate may be determined **by using the stumpage rates that the Revenue Branch determines under section 7.1 for each of those species in the forest district in which the cutting area is located.**
2. **The stumpage rate calculated under this section is not adjusted quarterly.**

Appendix VI Appraisal Log Dumps

Chilliwack Forest District

District: Chilliwack						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Coquitlam, Pacific Custom Log Sort	COPA	49	13	122	51	P
Delta, Northwest Hardwoods	DENH	49	05	123	06	P
Fort Langley - Whonnock DLS	FORT	49	10	122	35	P
Haney, Northview Sort	HANO	49	12	122	37	P
Harrison Bay DLS	HABA	49	15	121	57	P
Harrison Lake - 20 Mile Bay	HLTM	49	32	121	53	P
Harrison Lake - Bear Creek	HLBC	49	31	121	45	P
Harrison Lake - Head	HLHE	49	44	122	08	P
Harrison Lake - Silver River DLS	HLSR	49	34	121	49	P
Harrison Lake - Trio Creek (Doctor's Point)	HLTC	49	39	121	59	P
Hatzic, Lougheed Highway	HALO	49	08	122	14	P
Indian Arm	INDA	49	27	122	52	P
North Vancouver, Second Narrows	NOVA	49	18	123	01	P
Pitt Lake - Head	PLHE	49	32	122	35	P
Port Coquitlam, Valiant Sort	POCO	49	14	122	44	P
Sardis, Cattermole DLS	SACA	49	09	122	02	P
Sardis, Probyn DLS	SAPR	49	09	122	03	P
Silverhope Creek, Hope	SCHO	49	22	121	27	P
Surrey, Interfor - Mackenzie Yard	SIMY	49	12	122	53	P

Sunshine Coast Forest District

District: Sunshine Coast						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Agamemnon Channel - Ruby Lake	AGRU	49	45	123	59	G
Agamemnon Channel - Sakinaw Lake DLS	AGSA	49	39	124	04	G
Agamemnon Channel - Kokomo Lake	AGKO	49	41	124	03	G
Agamemnon Channel - Acadia Creek	AGAC	49	42	124	02	G
Agamemnon Channel - West Lake	AGWE	49	44	124	03	G
Bute Inlet - Alpha Bluff	BUAL	50	40	124	55	G
Bute Inlet - Amour Point	BUAM	50	32	125	00	G
Bute Inlet - Bear Bay	BUBE	50	50	124	57	G
Bute Inlet - Clipper Point	BUCL	50	32	124	56	G
Bute Inlet - Hare Creek	BUHA	50	30	124	58	G
Bute Inlet - Homathko	BUHO	50	54	124	51	G
Bute Inlet - Mellersh	BUME	50	46	124	57	G
Bute Inlet - Mellersh 2	BUMF	50	45	124	57	G
Bute Inlet - Mellersh 3	BUMG	50	45	124	56	G
Bute Inlet - Moh Creek	BUMO	50	31	125	02	G
Bute Inlet - Orford Bay	BUOR	50	36	124	52	G
Bute Inlet - Paradise River	BUPA	50	35	124	57	G
Bute Inlet - Purcell Point	BUPU	50	46	124	52	G
Bute Inlet - Scott Paper (Homathko River)	BUSC	50	56	124	51	G
Bute Inlet - Stuart Island	BUST	50	22	125	06	G
Calm Channel - Churchhouse	CACH	50	20	125	04	G
Calm Channel - Raza Island	CARA	50	18	125	01	G
Cortes Island - Cortes Bay	COCB	50	03	124	56	G
Cortes Island - Gorge Harbour	COGO	50	06	125	00	G
Desolation Sound - Theodosia Inlet	DETH	50	04	124	41	G
East Redonda - Pryce Channel	ERPC	50	17	124	53	G
Homfray Channel - Attwood Bay	HOAB	50	19	124	40	G
Homfray Channel - Homfray Creek	HOHO	50	17	124	38	G
Jervis Inlet - Brittain River	JEBR	49	49	123	55	G
Jervis Inlet - Dacres Point	JEDP	49	49	123	55	G
Jervis Inlet - Deserted Bay	JEDB	50	05	123	45	G
Jervis Inlet - Glacial Creek	JEGC	50	00	123	54	G
Jervis Inlet - Glacial Creek North	JEGN	50	01	123	52	G

District: Sunshine Coast						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Jervis Inlet - Goliath Bay	JEGO	49	49	123	57	G
Jervis Inlet - Granville Bay DLS	JEGR	49	50	123	59	G
Jervis Inlet - Hardy Island	JEHA	49	44	124	11	G
Jervis Inlet - Hotham Sound (West)	JEHO	49	51	124	04	G
Jervis Inlet - Hunaechin River DLS	JEHU	50	12	123	58	G
Jervis Inlet - Killam Bay	JEKI	49	46	123	55	G
Jervis Inlet - Nelson Island, Annis Bay North	JENN	49	46	124	00	G
Jervis Inlet - Nelson Island, Annis Bay South	JENS	49	45	124	01	G
Jervis Inlet - Nelson Island, Vanguard Bay	JEVA	49	45	124	06	G
Jervis Inlet - Perketts Creek	JEPE	49	52	123	52	G
Jervis Inlet - Potato Creek	JEPO	50	08	123	48	G
Jervis Inlet - Queens Reach, Smanit Creek	JEQU	50	10	123	56	G
Jervis Inlet - Saltery Bay	JESA	49	46	124	10	G
Jervis Inlet - Seshal Creek	JESE	50	01	123	55	G
Jervis Inlet - St. Vincent Bay DLS	JEST	49	48	124	05	G
Jervis Inlet - Stakawus Creek DLS	JESV	50	04	123	46	G
Jervis Inlet - Treat Creek	JETC	49	50	123	52	G
Jervis Inlet - Vancouver Bay	JEVB	49	55	123	51	G
Malaspina Peninsula - Lund	MPLU	49	58	124	45	G
Malaspina Peninsula - Steamboat Bay	MPSB	50	00	124	47	G
Malaspina Peninsula East - Malaspina Inlet	MPMI	50	02	124	47	G
Malaspina Peninsula East - Okeover Inlet	MPOI	49	59	124	41	G
Malaspina Strait - Stillwater Bay - Stillwater DLS	MSSB	49	46	124	18	G
Malaspina Strait - Lang Bay	MSLB	49	46	124	21	G
Maurelle Island - East-West Bay	MIEW	50	18	125	06	G
Maurelle Island - Florence Cove (Hole in the Wall)	MIFC	50	18	125	09	G
Maurelle Island – West Side	MIWS	50	15	125	10	G
Nelson Island - Fearney Point	NIFP	49	39	124	06	G
Nelson Island - Cockburn Bay	NICB	49	41	124	11	G

District: Sunshine Coast						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Powell Lake - Across From South Side of Goat Island	PLGI	50	00	124	26	G
Powell Lake - Beartooth	PLBE	50	06	124	21	G
Powell Lake - Chippewa Bay	PLCB	50	00	124	33	G
Powell Lake - Goat Island West	PLGW	50	03	124	29	G
Powell Lake - Goat Lake Narrows	PLGL	50	01	124	20	G
Powell Lake - Olsen Creek	PLOC	50	06	124	28	G
Powell Lake - Powell/Daniels	PLPD	50	14	124	22	G
Powell Lake - Rainbow	PLRA	50	04	124	22	G
Powell River - Powell River Mill	PLPR	49	52	124	33	G
Princess Royal Reach - Brittain River North	PRBR	49	59	123	59	G
Pryce Channel	PRYC	50	19	124	53	G
Ramsay Arm - Quatum Bay	RAQU	50	23	124	56	G
Ramsay Arm - Ramsay Head	RARH	50	26	124	59	G
Ramsay Arm - Head	RAHE	50	27	125	00	G
Ramsay Arm Head - West	RAHW	50	26	125	01	G
Raza Passage - Francis Bay	RAZA	50	21	125	02	G
Read Island - Drew Passage	RIDP	50	15	125	03	G
Read Island - Evans Bay	RIEB	50	13	125	04	G
Read Island - Frederic Point	RIFP	50	11	125	03	G
Redonda Island - Allies Island	REAI	50	13	124	49	G
Salmon Inlet - Black Bear Bluff	SIBL	49	39	123	43	G
Salmon Inlet - Camp "L" DLS	SICL	49	40	123	32	G
Salmon Inlet - Clowhom Falls DLS	SICF	49	42	123	31	G
Salmon Inlet - Kunechin Islets	SIKI	49	38	123	45	G
Salmon Inlet - Misery Creek	SIMC	49	40	123	34	G
Sechelt - Narrows Inlet - Tzoonie Narrows	SNTN	49	42	123	46	G
Sechelt - Narrows Inlet (Head) DLS	SNIH	49	47	123	43	G
Sechelt Inlet - Clipper Point (Piper Point) DLS	SICP	49	33	123	47	G
Sechelt Inlet - Doriston	SIDO	49	42	123	53	G
Sechelt Inlet - Gray Creek DLS	SIGC	49	32	123	45	G
Sechelt Inlet - Kunechin Point	SIKP	49	39	123	49	G
Sechelt Inlet - Nine Mile Point	SINM	49	36	123	46	G

District: Sunshine Coast						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Sechelt Inlet - Oyster Bay	SIOB	49	34	123	48	G
Sechelt Inlet - Porpoise Bay DLS	SIPB	49	29	123	45	G
Sechelt Inlet - Powerlines	SIPO	49	39	123	52	G
Sechelt Inlet - Skaiakos Point	SESP	49	36	123	49	G
Sechelt Inlet - Skaiakos Point South	SISS	49	35	123	49	G
Sechelt Inlet - Skookumchuck	SISK	49	43	123	53	G
Sechelt Inlet - Snake Bay (Carlson Point)	SISN	49	32	123	47	G
Sechelt Pen. - Agamemnon Channel	SPAC	49	45	123	59	G
Sechelt Pen. - Halfmoon Bay, Fab DLS	SPHB	49	30	123	54	G
Sechelt Pen. - Skookumchuck Narrows, Earle Creek	SPSN	49	44	123	53	G
Texada Island - Anderson Bay	TIAB	49	31	124	08	G
Texada Island - Cook Bay	TICB	49	32	124	15	G
Texada Island - Mount Bay	TIMB	49	38	124	26	G
Thornbrough Channel - Avalon DLS	TCAV	49	30	123	29	G
Thornbrough Channel - Langdale	TCLA	49	25	123	28	G
Thornbrough Channel - McNab Creek	TCMC	49	33	123	23	G
Thornbrough Channel - Port Mellon	TCPM	49	31	123	28	G
Thornbrough Channel - Terminal DLS	TCTE	49	27	123	28	G
Thornbrough Channel - Twin Creeks DLS	TCTC	49	28	123	29	G
Toba Inlet - Brem Bay	TOBB	50	26	124	39	G
Toba Inlet - Chusan Creek	TOCC	50	28	124	22	G
Toba Inlet - Nor Creek	TONC	50	24	124	30	G
Toba Inlet - Tahumming River	TOTR	50	29	124	23	G
Toba Inlet - Higgins Bay	TOHB	50	22	124	40	G
West Redonda Island - Desolation	WRDE	50	08	124	46	G
West Redonda Island - Doctor Bay	WRDB	50	15	124	49	G
West Redonda Island - Lewis Channel	WRLC	50	12	124	56	G
West Redonda Island - Redonda Bay	WRRB	50	15	124	57	G
West Redonda Island - Refuge Cove	WRRC	50	08	124	49	G
West Redonda Island - Talbot Cove	WRTC	50	10	124	52	G
West Redonda Island - Teakerne Arm	WRTA	50	11	124	49	G
West Redonda Island – West Redonda Island	WRWR	50	13	124	49	G
Wilson Creek (Sechelt Area)	WILS	49	26	123	43	G

Squamish Forest District

District: Squamish Coast						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Squamish DLS	SQUA	49	40	123	10	G

Queen Charlotte Islands Forest District

District: Queen Charlotte Islands						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Cumshewa Inlet - Beatty Anchorage, Louise Island DLS	CUBE	53	02	131	54	G
Masset Inlet - Collison Point Dump	MICP	53	47	132	13	G
Masset Inlet - Dinan Bay DLS	MIDB	53	41	132	36	G
Masset Inlet - Ferguson Bay DLS	MIFB	53	40	132	16	G
Masset Inlet – McClinton Bay DLS	MIMB	53	38	132	35	G
Masset Inlet – Port Clements, Abfam Mill	MIAM	53	41	132	10	G
Masset Inlet – Port Clements, O'Brien DLS	MIOB	53	42	132	09	G
Naden Harbour – Colnett Point DLS	NHCP	53	58	132	40	G
Naden Harbour - Davidson DLS	NHDA	53	59	132	34	G
Rennell Sound - Clonard Bay Dump	RSCB	53	20	132	30	G
Rennell Sound - Rennell Sound DLS	RSRS	53	21	132	28	G
Rennell Sound - Tartu Inlet DLS	RSTI	53	29	132	40	G
Sewell Inlet - Sewell Inlet DLS	SISI	52	53	131	58	G
Skidegate inlet - Alliford Bay DLS	SIAB	53	12	131	59	G
Skidegate Inlet - Long Inlet, Lagins Creek DLS	SILI	53	13	132	18	G
Skidegate Inlet - Queen Charlotte City, Skidegate DLS	SIQC	53	14	132	09	G
Skidegate Inlet - South Bay DLS (South of Sandilands Island)	SISB	53	09	132	05	G
Van Inlet - (South of Rennell Sound)	VIRS	53	16	132	30	G

North Coast Forest District

District: North Coast						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Alan Reach - Collins Bay DLS	ARCO	53	33	128	44	G
Alan Reach - Ochwe Bay, Paril Creek Log Dump	ALOC	53	29	128	46	G
Alan Reach - Proposed BCTS	ALTS	53	25	128	34	G
Alice Arm - Kitsault	ALKI	55	28	129	27	G
Alice Arm - Proposed BCTS	AATS	55	28	129	29	G
Banks Island - Banks Island DLS, Donaldson Lake	BADO	53	28	130	02	G
Banks Island - Patterson Inlet	BAPA	53	26	129	46	G
Devastation Channel - Heysham Creek - BCTS	DVHE	53	35	128	48	G
Devastation Channel - Verney Pass Log Dump	DVVE	53	32	128	51	G
Devastation Channel - Weewanie Creek	DVWE	53	41	128	47	G
Douglas Channel - Kitkiata - BCTS	DOKI	53	38	129	15	G
Douglas Channel - Little Tillhorn DLS	DOTI	53	33	129	10	G
Ecxstall River - Cuthbert Creek DLS	ETCC	54	05	129	51	G
Grenville Channel - Farrant Island Log Dump	GRFA	53	19	129	23	G
Grenville Channel - Baker Inlet	GRBA	53	48	129	53	G
Kaien Island - Kaien Island DLS	KAIS	54	18	130	15	G
Kennedy Island - Kennedy Island DLS	KEIS	54	03	130	09	G
Kumealon Inlet - Kumealon DLS	KUIN	53	52	129	59	G
Nass Bay - Mill Bay	NBMB	55	00	129	52	G
Nass Bay - Welda Creek	NBWC	54	56	129	52	G
Pearse Island - Dogfish Bite	PIDB	55	01	130	11	G
Pitt Island - Captain's Cove	PICC	53	48	130	11	G
Pitt Island (South) - Payne Channel Log Dump	PIPC	53	19	129	28	G
Porcher Island - Hunts Island - BCTS	POHI	54	03	130	33	G
Porcher Island - Oona River	POOR	53	56	130	15	G
Porcher Island - Porcher Inlet (North) - BCTS	POPNI	53	59	130	25	G
Porcher Island - Porcher Inlet (South) - BCTS	POPS	53	58	130	24	G

District: North Coast						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Port Edward - Bawey Wood Products	PEBW	54	14	130	17	G
Port Edward - Galloway Rapids	PEGR	54	14	130	16	G
Port Simpson - Stumaun Bay DLS	PSSB	54	33	130	23	G
Portland Canal - Donahue Creek (BCTS)	PCDC	55	28	130	02	G
Portland Canal - Swamp Point	PCSP	55	23	130	01	G
Portland Inlet - BCTS - Sommerville Island	PISI	54	46	130	13	G
Portland Inlet - Nasoga Gulf, Chambers Creek	PING	54	53	130	03	G
Prince Rupert - Sabre Marine	PRSM	54	19	130	16	G
Princess Royal Channel - Fraser Reach #2	PRCF	53	15	128	51	G
Princess Royal Channel -Fraser Reach #1	PRFR	53	16	128	53	G
Princess Royal Island - Chapple Inlet DLS	PRCI	52	57	129	08	G
Princess Royal Island - Head of Surf Inlet Log Dump	PRHS	53	01	128	54	G
Princess Royal Island - Surf Inlet	PRSI	53	01	128	54	G
Princess Royal Island - Surf Inlet Log Dump	PRSD	53	01	128	54	G
Princess Royal Island - Surf Inlet, Cedar Creek Log Dump	PRCC	53	01	128	56	G
Princess Royal Island - Triven Point - BCTS	P RTP	53	18	129	01	G
Quatoon Inlet	QUIN	54	27	130	05	G
Ridley Island	RIIS	54	13	130	19	G
Ridley Island - Ridley Island DLS	RIRI	54	14	130	18	G
Scotia River - Scotia River DLS	SRSR	54	10	129	38	G
Skeena River - Alder Creek DLS	SRAC	54	14	129	25	G
Sommerville Island - BCTS - Steamer Passage (east)	SISP	54	42	130	15	G
Sommerville Island - BCTS - Steamer Passage (west)	SISQ	54	42	130	18	G
Steamer Passage - Crow Lagoon	SPCL	54	42	130	13	G
Triumph Bay - Trip Creek Log Dump	TBTC	53	28	128	42	G
Triumph Bay - Triumph Bay DLS	TBTB	53	26	128	41	G

District: North Coast						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Ursula Channel - Bishop Bay Log Dump	UCBB	53	26	128	53	G
Ursula Channel - East Gribble Island Log Dump	UCGI	53	21	128	55	G
Ursula Channel - Goat Harbour	UCGH	53	21	128	50	G
Ursula Channel - Proposed BCTS	UCTS	53	29	128	57	G
Ursula Channel - Riordan Creek Log Dump	UCRC	53	26	128	57	G
Verney Passage - Cheenis Creek	VPCC	53	33	129	01	G
Whale Channel - Cornwall Inlet, Drake Inlet Log Dump	WCDI	53	08	128	58	G
Work Channel - Bill Lake	WCBL	54	23	130	05	G
Work Channel - Marion Creek	WCMC	54	21	130	03	G
Work Channel - Union Inlet	WCUI	54	33	130	24	G

Campbell River Forest District

District: Campbell River						
Location	ALD Code	Co-ordinates (Approximately)				Point of
		Latitude		Longitude		Appraisal
		Degrees	Minutes	Degrees	Minutes	
Bligh Island	BLIS	49	41	126	32	A
Brooks Bay - Cordero Channel	BRCO	50	27	125	25	G
Brougham - Nodales Channel	BRNO	50	23	125	22	G
Bute Inlet – East of Estero Basin (Egerton)	BUES	50	30	125	06	G
Call Inlet - Head of Call Inlet (south side)	CAHS	50	37	125	56	G
Call Inlet - Head of Call Inlet (north side)	CAHN	50	38	125	58	G
Call Inlet (North) - Call Inlet	CACN	50	36	126	05	G
Call Inlet (South) - Call Inlet	CACS	50	35	126	06	G
Chancellor Channel - Darcy Point South	CHDA	50	25	125	41	G
Comox	COMO	49	39	124	55	G
Cordero Channel - Picton Point	COPI	50	27	125	23	G
Cordero Channel - Cordero 1	COCO	50	26	125	33	G
Cordero Channel - Cordero 2	COCP	50	26	125	32	G
Cordero Channel - Tallac Bay	COTA	50	26	125	28	G
Courtenay	COUR	49	40	124	58	G
Discovery Passage - Elk Bay	DIEB	50	16	125	26	G
Discovery Passage - Menzies Bay	DIMB	50	07	125	23	G
Discovery Passage - West Sonora Island	DIWS	50	18	125	24	G
East Thurlow Isalnd - Bickley Bay	ETBB	50	26	125	24	G
East Thurlow Island - Crawford Anchorage, Erasmus Island	ETCA	50	26	125	28	G
East Thurlow Island - Edith Point	ETEP	50	22	125	32	G
East Thurlow Island - Hemming Bay	ETHB	50	23	125	22	G
East Thurlow Island - Mayne Passage	ETMP	50	23	125	31	G
East Thurlow Island - Turn Harbour	ETTH	50	21	125	28	G
Esperanza Inlet - Port Eliza	ESPE	49	52	127	00	A
Esperanze Inlet - Port Eliza, Weasel Creek	ESWC	49	56	127	02	A
Espinosa Inlet - Mid Espinosa Inlet	ESME	49	55	126	56	A
Espinosa Inlet - South Espinoza	ESSE	49	52	126	56	A
Frederick Arm	FRED	50	30	125	15	G
Frederick Arm - Egerton Creek South	FAEC	50	27	125	15	G
Frederick Arm - Owen Point	FAOP	50	27	125	17	G

District: Campbell River						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Hardwicke Island – South East at Chancellor Channel	HACC	50	25	125	45	G
Johnstone Strait - Bear Bay	JSBB	50	21	125	39	G
Johnstone Strait - Eve River	JSER	50	28	126	17	G
Johnstone Strait - Hardwicke Island (South)	JSHS	50	25	125	45	G
Johnstone Strait - Hardwicke Island South West	JSHI	50	25	125	55	G
Johnstone Strait - Havannah Channel, South of East Cracroft Island	JSHA	50	32	126	13	G
Johnstone Strait - Kelsey Bay	JSKB	50	23	125	57	G
Johnstone Strait - Naka Creek	JSNC	50	28	126	25	G
Johnstone Strait - Port Neville Head	JSPH	50	32	125	58	G
Johnstone Strait - Port Neville South	JSPS	50	30	126	03	G
Johnstone Strait - Port Neville West	JSPW	50	31	126	04	G
Johnstone Strait - South East Bay	JSSE	50	27	126	11	G
Johnstone Strait - Tuna Point, Sunderland Channel	JSTP	50	28	125	58	G
Kyuquot Channel – Cachalot Inlet	KYCA	50	00	127	10	A
Kyuquot Sound - Amai Inlet	KYAM	50	01	127	10	A
Kyuquot Sound - Chamiss Bay	KYCH	50	04	127	17	A
Kyuquot Sound - Eelstow Passage	KYEE	50	06	127	10	A
Kyuquot Sound - Hohoae Island	KYHO	50	02	127	14	A
Kyuquot Sound - Kashutl River	KYKA	50	11	127	18	A
Kyuquot Sound - Kauwinch River, Kashutl Inlet	KYKR	50	08	127	16	A
Kyuquot Sound - Tahsish Inlet	KYTA	50	05	127	07	A
Kyuquot Sound - Union Island East	KYUE	50	01	127	14	A
Kyuquot Sound - Union Island West	KYUW	50	01	127	19	A
Loughborough Inlet - Cooper Reach East	LICR	50	41	125	26	G
Loughborough Inlet - Beaver	LIBE	50	30	125	36	G
Loughborough Inlet - Beaver West	LIBW	50	29	125	37	G
Loughborough Inlet - Heydon Bay	LIHB	50	35	125	33	G
Loughborough Inlet - Poison Creek	LIPC	50	37	125	31	G
Loughborough Inlet - Poison (North)	LIPN	50	39	125	31	G

District: Campbell River						
Location	ALD Code	Co-ordinates (Approximately)				Point of
		Latitude		Longitude		Appraisal
		Degrees	Minutes	Degrees	Minutes	
Loughborough Inlet - Poison (South)	LIPS	50	36	125	32	G
Loughborough Inlet - Satham	LIBE	50	31	125	32	G
Loughborough Inlet (Head) - Stafford Lake	LIBW	50	43	125	28	G
Loughborough Inlet - Styles	LIST	50	27	125	37	G
Loughborough Inlet SW	LISW	50	28	125	34	G
Muchalat Inlet - Gold River DLS	MUGR	49	41	126	07	A
Muchalat Inlet - Houston River	MUHR	49	38	126	18	A
Muchalat Inlet - Jacklah River	MUJR	49	39	126	09	A
Muchalat Inlet - Kleeptee Creek, North of Gore Island	MUKC	49	39	126	22	A
Muchalat Inlet - McCurdy Creek	MUMC	49	40	126	11	A
Muchalat Inlet - Silverado Creek	MUSC	49	37	126	21	A
Muchalat Inlet (Head) - Matchlee Bay east	MUME	49	39	126	05	A
Muchalat Inlet (Head) - Matchlee Bay west	MUMW	49	38	126	05	A
Muchalat Inlet (Head) - Matchlee Bay, Burman River	MUMB	49	37	126	03	A
Nodales Channel - Extension	NOEX	50	25	125	18	G
Nodales Channel - Wyssen	NOWY	50	24	125	18	G
Nootka Island - Blowhole Bay	NIBB	49	49	126	40	A
Nootka Island - Brodick Creek, Esperanza Inlet	NIBC	49	51	126	53	A
Nootka Island - Kendrick Inlet DLS	NIKI	49	43	126	39	A
Nootka Island - Kendrick Inlet, Plumper Harbour	NIPH	49	41	126	38	A
Nootka Sound - Bligh Island, South of Conception Point	NSBI	49	39	126	29	A
North Kanish	NOKA	50	15	125	19	G
Phillips Arm - Fanny Bay	PAFB	50	31	125	23	G
Phillips Arm - Phillips Arm South	PAPA	50	30	125	21	G
Portland - Nodales Channel	PONC	50	26	125	18	G
Quadra Island - Chonat Bay	QICB	50	18	125	17	G
Quadra Island - Gowland Harbour	QIGH	50	05	125	15	G
Quadra Island - Kanish Bay	QIKB	50	14	125	21	G

District: Campbell River						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Quadra Island - Plumper Bay	QIPB	50	09	125	20	G
Royston	ROYS	49	39	124	57	G
Sonora Island - Barnes Bay	SIBA	50	19	125	15	G
Sonora Island - Horn Bay, North of Sonora Island	SIHB	50	25	125	12	G
Sonora Island - Innes	SIIN	50	23	125	10	G
Sonora Island - Nutcracker Bay	SINB	50	18	125	17	G
Sunderland Channel - Bessborough Bay	SCBB	50	29	125	46	G
Sunderland Channel - Forward Harbour, East of Hardwicke Island	SCFH	50	28	125	44	G
Sunderland Channel - Jackson Bay, Topaze Harbour	SCJB	50	31	125	45	G
Sunderland Channel - McLeod Bay	SCMB	50	28	125	57	G
Sunderland Channel - Shaw	SCSH	50	28	125	54	G
Sunderland Channel - Topaze Harbour, Jackson Bay	SCTH	50	31	125	49	G
Tahsis Inlet - Tsowwin River	TITR	49	46	126	38	A
Tahsis Inlet - West Tahsis	TIWT	49	52	126	40	A
Tahsish Inlet - Artlish River DLS	TIAR	50	06	127	05	A
Thurston - Sonora Island	THUR	50	22	125	18	G
Tlupana Inlet - Head Bay	TLHB	49	47	126	29	A
Tlupana Inlet - Deserted Lake	TLDL	49	46	126	28	A
Tlupana Inlet - Nesook Bay	TLNB	49	45	126	25	A
Union Bay - Union Bay DLS	UBUB	49	35	124	53	G
Wellbore Channel - Darcy Point, East of Hardwicke Island	WCDP	50	25	125	43	G
West Thurlow North	WTNO	50	26	125	33	G
West Thurlow Island - Butterfly Bay	WTBB	50	24	125	33	G
West Thurlow Island - Knox Bay DLS	WTKB	50	23	125	37	G
Zeballos Inlet - Little Zeballos	ZILZ	49	57	126	49	A
Zeballos Inlet - South (Ciriaco)	ZISC	49	55	126	48	A
Zeballos Inlet - Zeballos	ZIZE	49	59	126	51	A

South Island Forest District

District: South Island						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Alberni Inlet - China Creek	ALCH	49	9	124	47	A
Alberni Inlet - Coleman Creek	ALCO	49	00	124	52	A
Alberni Inlet - Spencer Creek DLS	ALSP	48	58	124	56	A
Barkley Sound - Cataract Lake DLS	BACA	48	58	125	16	A
Barkley Sound - Sarita DLS	BASA	48	54	125	00	A
Barkley Sound - Skull Lake DLS	BASK	49	02	125	09	A
Barkley Sound - Toquart Bay DLS	BATO	49	01	125	21	A
Barkley Sound - Tzartus Island	BATZ	48	56	125	04	A
Chemainus	CHEM	48	55	123	43	C
Coastland	COAS	49	10	123	56	A
Cypre River DLS, Hecate Bay	CYPR	49	14	125	56	A
Duke Point	DUKE	49	09	123	53	C
Effingham Inlet	EFIN	49	05	125	12	A
Flores Island - Steamer Cove	FLSC	49	22	126	11	A
Galiano Island	GALI	48	53	123	20	C
Great Central Lake - Dorothy	GCDO	49	21	125	23	A
Great Central Lake - Lakeside	GCLA	49	21	125	13	A
Great Central Lake - McBride	GCMC	49	23	125	25	A
Great Central Lake - Mercks	GCME	49	21	125	18	A
Great Central Lake - View	GCVI	49	21	125	15	A
Herbert Inlet - Beddingfield Bay DLS	HEBE	49	21	125	59	A
Jordan River	JORD	48	25	124	02	C
Ladysmith DLS	LADY	48	59	123	48	C
Ladysmith Head	LADH	49	01	123	51	C
Mayne Island - Horton Bay	MIHB	48	49	123	15	C
Meares Island - Shoemaker Bay	MISB	49	13	124	50	A
Mud Bay, Fanny Bay DLS	MUDB	49	27	124	47	G
Mooyah	MOOY	49	37	126	27	G
Nootka Sound - Zuciarte Channel, Mooyah Bay	NSZC	49	38	126	27	A
Northwest Bay, Parksville	NBPA	49	17	124	12	G

District: South Island						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Otter Point Log Sort	OPLS	48	22	123	51	C
Saltspring Island, Burgoyne Bay	SIBU	48	47	123	31	C
Shoal Island DLS	SHOA	48	52	123	38	C
Stewardson Inlet	STEW	49	25	126	19	A
Stewardson Inlet (Mouth)	STEM	49	27	126	17	A
Strait of Georgia - Valdes Island	SGVI	49	03	123	39	C
Tofino Inlet - Rankin Cove	TIRC	49	10	125	42	A
Uchuklesit Inlet - Silverside DLS	UISI	49	00	125	02	A
Uchuklesit Inlet - Snug Cove	UISC	49	00	125	01	C
Ucluelet (East)	UCLU	48	58	125	34	A
Vargas Island	VARG	49	12	125	58	A

North Island - Central Coast Forest District

District: North Island - Central Coast						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Actaeon Sound	ACSD	50	59	127	02	G
Beaver Cove	BEAV	50	32	126	51	G
Bella Coola	BECO	52	23	126	45	G
Bonwick Island, Grebe Cove	BOGR	50	42	126	37	G
Boswell Inlet DLS	BOIN	51	22	127	27	G
Boughey	BOUG	50	31	126	10	G
Briggs Inlet	BRIN	52	20	128	01	G
Burke Channel, Doc Creek	BUDO	51	57	127	40	G
Burke Channel, Twin Creeks DLS	BUTW	52	15	127	16	G
Chief Nollis Bay	CHNO	51	11	127	06	G
Clayton Falls DLS	CLFA	52	22	126	49	G
Cleagh Creek DLS	CLCR	50	28	127	45	A
Cousins Inlet	COUS	52	17	127	47	G
Creasy Bay	CREA	50	57	127	04	G
Cutter Cove	CUTT	50	37	126	15	G
Dawsons Landing	DALA	51	34	127	35	G
Dean Channel, Parker Creek	DEPA	52	15	127	43	G
Denny Island, Kliktsoatli Harbour	DEKL	52	08	128	04	G
Disco Bluff - South Bentinck Arm	DISB	52	07	126	45	G
Don Peninsula - Tom Bay	DOTB	52	23	128	15	G
Draney Inlet	DRIN	51	26	127	25	G
Drury Inlet	DRUR	50	55	127	05	G
Drury Inlet - Caviar Cove DLS	DRCA	50	53	127	02	G
Fish Egg Inlet DLS	FISH	51	35	127	46	G
Forward	FORW	50	29	125	43	G
Frederick Bay DLS	FRBA	51	02	127	14	G
Frederick Sound - Snowdrift Mt. DLS	FSSM	51	04	126	44	G
Frenchman Creek - Dean Channel	FRDC	52	20	127	32	G
Gilford Island - Duck Cove	GIDU	50	39	126	31	G
Gilford Island - Shoal Harbour	GISH	50	44	126	29	G
Gilford Island - Scott Cove DLS	GISC	50	46	126	28	G
Harbledown Island, DLS	HARB	50	35	126	34	G

District: North Island - Central Coast						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Hardy Inlet	HARD	51	41	127	32	G
Hardy Inlet - MacNair DLS	HAMA	51	42	127	33	G
Holberg	HOLB	50	38	128	59	A
Holberg Inlet - Hushamu Creek	HOHU	50	36	127	42	A
Holberg Inlet - Michelsen Point	HOMI	50	35	127	41	A
Hopetown Passage	HOPE	50	55	126	50	G
Jennis Bay DLS	JENB	50	54	127	01	G
Jenny Inlet DLS - King Island	JNKI	52	14	127	35	G
Kimsquit DLS	KIMS	52	52	127	05	G
Kingcome Inlet DLS	KIDL	50	56	126	11	G
Kingcome Inlet - Anchorage Cove	KIAC	50	54	126	12	G
Knight Inlet – Head	KIHD	51	04	125	35	G
Knight Inlet, Blind Creek	KIBC	50	41	125	42	G
Knight Inlet, Escape Point	KIEP	50	52	125	41	G
Knight Inlet, Glendale Cove	KIGC	50	40	125	44	G
Knight Inlet, Hoeya Sound	KIHS	50	42	125	58	G
Knight Inlet, Lull Bay	KILB	50	42	126	01	G
Knight Inlet, Matsui Creek	KIMC	50	42	125	49	G
Knight Inlet, Prominent Point	KIPP	50	40	126	01	G
Knight Inlet, Protection Point	KIPR	50	39	126	10	G
Knight Inlet, Sallie Creek	KISC	50	43	125	43	G
Knight Inlet, Tsakonu Cove	KITC	50	30	126	10	G
Kokish	KOKI	50	32	126	51	G
Koprino Harbour	KOPR	50	30	127	52	A
Kwatna Bay DLS	KWAT	52	06	127	23	G
Kwatna Inlet, Quatlana	KWQU	52	02	127	35	G
MacKenzie Sound DLS	MKSD	50	56	126	39	G
Mahatta River	MAHA	50	27	127	47	A
Malcolm Island, Mitchell Bay	MALC	50	38	126	51	G
Mathieson Channel, Tom Bay	MATB	52	23	128	16	G
Mereworth Sound DLS	MESD	51	12	127	21	G
Moses Inlet	MOIN	51	52	127	21	G

District: North Island - Central Coast						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Neroutsos Inlet - Thurburn Bay	NETB	50	23	127	28	G
North Broughton Island, Tracey Harbour	NBTH	50	51	126	52	G
Nimpkish DLS	NIMP	50	32	126	52	G
Ocean Falls, Link Lake DLS	OFLL	52	21	127	43	G
Owikeno Lake, Macmell, Neechanz DLS	OLMN	51	40	126	41	G
Owikeno Lake, Sheemahant DLS	OLSH	51	44	126	38	G
Pack Lake	PACK	51	10	127	28	G
Pooley Island - James Bay	PIJB	52	42	128	13	G
Quatsino DLS	QUAT	50	27	127	31	G
Quatsino Sound - Ingersoll	QUSI	50	29	127	41	G
Port Hardy - Shushartie DLS	PHSH	50	42	127	28	G
Port McNeill	PTMN	50	35	127	05	G
Port McNeill - WFP DLS	PMWF	50	35	127	06	G
Rivers Inlet - Kilbella Bay	RIKB	51	42	127	20	G
Rivers Inlet - Owikeno First Nations DLS	RIOW	51	41	127	15	G
Rivers Inlet - Ripon Island	RIRP	51	29	127	38	G
Roderick Island - Griffen Passage, DLS	ROGP	52	45	128	21	G
Sargeaunt Pass	SARG	50	41	126	11	G
Seaforth Channel	SEAF	52	14	128	19	G
Seymour Inlet - East Head	SEEH	51	11	126	39	G
Seymour Inlet, Warner Bay	SEWB	51	02	127	06	G
Seymour Inlet, Wigwam Bay	SEWI	51	08	126	43	G
Seymour Inlet - Woods Lagoon	SEWO	51	00	127	18	G
Shearwater DLS	SHEA	52	08	128	05	G
Simoon Sound	SISO	50	51	126	32	G
Smith Inlet, Walkum Bay	SIWB	51	21	127	07	G
South Bentinck Arm, Bentinck Narrows	SBBN	51	59	126	40	G
South Bentinck Arm, Larso Bay	SBLB	52	10	126	51	G
South Bentinck Arm, Noeick River	SBNR	52	03	126	41	G
South Bentinck Arm, Taleomy	SBTA	52	00	126	40	G
South Bentinck Arm - West Side	SBWS	52	06	126	47	G
Strachan Bay	STRA	51	10	127	28	G

District: North Island - Central Coast						
Location	ALD Code	Co-ordinates (Approximately)				Point of Appraisal
		Latitude		Longitude		
		Degrees	Minutes	Degrees	Minutes	
Thompson Sound DLS	THSD	50	48	126	01	G
Tribune Channel, London Point	TCLP	50	46	126	06	G
Wakeman Sound	WAKE	50	59	126	29	G
Walbran Island, Taylor Bay	WITB	51	30	127	36	G
Wallace Bay - Cousins Inlet	WBCI	52	17	127	45	G
Watson Island - Turnbull Cove	WITC	50	57	126	50	G
West Cracroft Island - Port Harvey	WCPH	50	34	126	16	G
West Cracroft Island - Potts North	WCPN	50	34	126	27	G
West Cracroft Island - Potts South	WCPS	50	33	126	28	G
Yeo Cove, Yeo Island	YCYI	52	18	128	10	G

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