

# **7 Reporting**

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## **7.1 Data Compilation**

A web-based system has been developed for processing waste assessment data. The system can be accessed at:

<https://apps.nrs.gov.bc.ca/ext/waste-for/>

For the Production system, users may follow the step by step procedures laid out in the *Waste System User Procedures Manual* that can be accessed at:

<http://www.for.gov.bc.ca/hva/rh/rwtraining/>

Effective January 1, 2005 all waste assessment data must be entered and submitted using the web based waste system.

## 7.2 Reporting Requirements

Licenses and contractors who utilize the web based Waste System must enter and submit the data for an entire cutblock within thirty days of completion of the field survey as specified under Section 2.4. **Where the Pre Harvest Waste Assessment method is used the survey information must be submitted and approved prior to commencement of harvesting.** The final survey map for each cutblock must be included in the submission or in a manner acceptable by the District Manager.

If the log-loading-out phase causes the survey and report to be delayed, the delay time and the reason for that delay should be submitted to the District Manager.

The District Manager *may* extend these deadlines.

For major licensees and BCTS, survey reports submitted to the District Manager after November 15th may result in having invoices issued in the year following.



**INSTRUCTIONS FOR COMPLETING THE FS 702 VOLUME ESTIMATE - WASTE**

This form is to be used to record waste volumes.

*Right justify numbers in all the numerical fields and left justify characters in free-form fields, such as: Timber Mark. Underline the letter "S" and draw a line through the letter "0" to distinguish these letters from the numbers "5" and "0" (zero).*

<b>WASTE LICENCE:</b>	Record the waste licence number of the surveyor. If not licenced, use: WACO For surveys done in the Coast Forest Region WASI For surveys done in the Southern Interior Forest Region WANI For surveys done in the Northern Interior Forest Region
<b>TIMBER MARK:</b>	Record the timber mark.
<b>CUTBLOCK:</b>	Record the cutblock.
<b>RETURNNUMBER:</b>	Record the surveyor's return number. As of January 1, 2004, start at 1 and continue to assign consecutively regardless of the scale site.
<b>DATE:</b>	Record the date this scale return was completed (e.g. January 15, 2004 = <b>20040115</b> ).
<b>LOG COUNT:</b>	Record the total number of pieces on this return.
<b>WMRF:</b>	Record Waste Monetary Reduction Factor derived from the waste system.
<b>PLC DATE:</b>	Record the primary logging completion date.
<b>E / C:</b>	Record "E" for Endemic or "C" for Catastrophic whichever is designated for the timbermark.
<b>COMMENT (OPTIONAL):</b>	Record any comments you want to be keyed and stored in HBS.
<b>NOTATION:</b>	Text in this field will appear on the invoice.
<b>RU NO:</b>	Record the RU number reported in the waste assessment.
<b>SPECIES:</b>	Record the species code.
<b>PRODUCT:</b>	Default to blank.
<b>GRADE:</b>	Record the grade.
<b>AVOIDABLE (Y / N):</b>	Record "Y" for avoidable, "N" for unavoidable.
<b>PIECES:</b>	Default to 1.
<b>VOLUME:</b>	Record the volume in cubic metres.
<b>RATE:</b>	Record the stumpage rates in accordance with the waste manual.
<b>SURVEYOR'S SIGNATURE:</b>	The signature of the surveyor who completed this scale return.

**Figure 7-2 Volume Estimate - Waste Form (Page 2)**

## 7.3 Review of Reports

The **Ministry of Forests, Lands and Natural Resource Operations** staff will review all data submitted and either approve or reject the waste assessment(s).

### 7.3.1 Report Checklist

For cutblocks submitted using the Waste System go to Waste 102 and check

Coast	The selection of maturity is correct.
Interior	The selection of site type and condition is correct.

The bench mark calculations on the FS 702, WMRF is predicated on the correct selection of the above. Incorrect selections will result in rejection of the cutblock(s).

1. Area Summary Report:

- a. if there are standing trees present, ensure they are tallied and the reported area is correct.

2. Plot Piece Listing Report:

- a. use this report for field audit of the pieces.

3. Block Type Summary Report:

Volumes of kind (top trees, stumps, bucking waste, etc.) are reported for each stratum, block, and all blocks for information purposes.

## 4. Sampling Statistics:

## a. Cut Block Option only.

- i. For blocks over 25 ha check that the sampling error requirement for the dispersed area has been met.

The sampling error requirement for blocks under 25 ha has been waived.

- ii. For blocks that have at least 3 ha of accumulation piles check that the accumulation sampling error requirement has been met.

The sampling error requirement for blocks with less than 3 ha of accumulations has been waived.

## b. Aggregate Option only

- i. The sampling statistics and sampling summary reports don't need to be checked until the entire aggregate has been completed.
- ii. If the aggregate has been completed check that the sampling error requirements have been met.

If the sampling error requirements have not been met, check whether the licensee used a reasonable C.V. to determine the number of plots required and whether they established the required number of plots.

If the answer is yes then the aggregate is acceptable.

If the answer is no, a higher C.V. may be required from the licensee before approving the licensee's Annual Waste Assessment Plan for the following year.

## 5. FS 702 Waste Volume Estimate

Check the following:

- a. The waste surveyor number and return number (each subsequent FS 702 is incremented by one) have been filled out and that the waste surveyor has a valid Waste Surveyor Licence or Scaling Licence Number. If not, check for sponsoring forestry professional's name and number if plot surveys are submitted.

The old FS 72 format is no longer acceptable and must be converted to the current FS 702 format as in Figure 7.1.

## 7.4 Processing Waste Volume Estimate (FS 702)

Once checking is completed as per Section 7.3.1, the ministry will obtain and code the applicable waste rates on the FS 702.

### 7.4.1 Waste Rate

The application of a waste rate is dependent on whether there has been timber harvesting on a cutting authority. If timber has been harvested on a cutting authority, then a waste rate is determined and applied on a cutblock basis.

#### 1. Cutblocks with Harvesting

For cutblocks with harvesting, a waste rate is calculated for the cutblock using the weighted average stumpage rate charged for the sawlogs (graded sawlogs\* on the Coast, and grade code blank sawlogs and/or grade code 1 and 2 sawlogs in the Interior) from invoices issued for a twelve-month period in respect of timber harvested under the applicable timbermark. The twelve-month period ends the month after the month that primary logging was completed for the cutblock. This applies to dispersed waste, accumulations and standing timber within the cutblock. Remaining areas of standing timber within the cutblock, that are left unharvested at the expiry, surrender, termination or cancellation of the cutting authority, would be waste billed using the same method, that is, the waste rate is based on the primary logging completion date for the cutblock. Refer to Appendix 3.1 for a description of determining the waste rate for cutblocks with harvesting.

Note that cutblocks may be split for waste assessment purposes (refer to page 5-38).

\* Exclude all coniferous species Grade X, Hemlock and Balsam, Grade U.

#### 2. Cutblocks with No Harvesting but Harvesting has Occurred on the Cutting Authority

If there has been no harvesting on the cutblock but there has been harvesting for the cutting authority, then the waste rate for the cutblock is derived using the average of the cutting authority's four quarterly timber appraisal stumpage rate (plus any bonus and levies where applicable) in effect during the twelve-months preceding the date of cutting authority's expiry, surrender, termination or cancellation, as the case may be. Refer to Appendix 3.2 for a description of determining the waste rate for cutblocks where no harvesting has taken place but there has been harvesting from the cutting authority.

#### 3. Cutblocks with No Harvesting and No Harvesting has Occurred on the Cutting Authority



If there has been no harvesting on the cutblock, and there has been no harvesting on the cutting authority, then waste billings do not apply to cutblocks upon expiry, surrender, termination or cancellation of the cutting authority, as the case may be.

#### **7.4.2 Pre Harvest Waste Assessment Cutblocks**

1. For PHWA cutblocks the Primary Harvest Completion date will be the date the PHWA SFP authorization is approved by the District Manager.
2. Cutblocks with No Harvesting but Harvesting Has Occurred on the Cutting Authority
  - a. If there has been no harvesting on the cutblock but there has been harvesting on the cutting authority, then the PHWA waste rate for the cutblock is derived using the average of the cutting authority's four quarterly timber appraisal stumpage rate (plus any bonus and levies where applicable) in effect during the twelve-months preceding the PHWA approval date.
3. Cutblocks with No Harvesting and No Harvesting has Occurred on the Cutting Authority
  - a. If there has been no harvesting on the cutblock and there has been no harvesting on the cutting authority, then the PHWA waste rate for the cutblock is derived using the cutting authority's appraisal stumpage rate (plus any bonus and levies where applicable) in effect on the PHWA approval date.

## 7.5 Interior Log Grade Changes

The Interior log grade changes are scheduled to take effect April 1, 2006. Areas logged prior to April 1, 2006 will be waste surveyed using the grades in effect before the grade change subject to conditions specified below.

The cut blocks that will be affected are:

1. Blocks that are harvesting complete prior to April 1, 2006, but are surveyed and/or entered into the Waste System after April 1, 2006.
2. Blocks with areas partially harvested prior to April 1, 2006.

For those affected cut blocks, licensees have until April 30, 2006 to submit to the District Manager (or for timber sale licence\*, the Timber Sale Manager) a listing of cut blocks where timber harvesting is completed and/or partially completed as of March 31, 2006.

The listing for completed cutblocks must include: Licence, CP, Block #s, Geographic Location, Block net area, and in addition for partially completed blocks, the areas harvested prior to the grade change, and maps clearly showing the harvested areas.

\*For fixed rate Timber Sale Licences advertised before December 2, 2005, and expiring on or after April 1, 2006, the deadline for declaring harvesting complete is extended to May 31, 2006.

When the survey data for the cut blocks in the listing are entered into the Waste System, **the Survey Date on screen 102 must be artificially changed by the licensee to March 13, 2006.** This step will enable the grade listing in effect prior to April 1, 2006. When these blocks are submitted, the actual survey date must be entered on the comment box. Additionally, for administrative purposes, **the primary logging completion date must be entered with a date no later than February 28, 2006** for the purpose of the waste rate twelve-month average calculations.

**Conditions:**

The survey results for both **harvested** and partially harvested block in the listing must be submitted within sixty days from the date of notification or snow free. Those blocks that are submitted late must use the log grades in effect April 1, 2006.

Forest Districts will monitor on the basis of the survey date and the comments entered for ensuring the cut blocks submitted are indeed blocks eligible to use the grades in effect prior to April 1, 2006.

Any waste created after April 1, 2006, must be graded using the new grades in effect April 1, 2006.