



REVENUE BRANCH

WASTE/HBS Billing Guide

November 1, 2007



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

Table of Contents

1 Introduction

2 Navigation

2.1 How to Process Waste Billings on Approved Blocks.....	2-2
2.2 Interior Block Processing.....	2-3
2.2.1 Endemic, Catastrophic – Old Interior Log Grades	2-4
2.2.2 New Interior Log Grades	2-7
2.3 Coastal Block Processing.....	2-8
2.4 Special Cases	2-11
2.4.1 No Waste Benchmark Applied	2-11
2.4.2 No Rates.....	2-11

3 Ratings

3.1 Determining Rates	3-2
3.2 Rates Are Available When Processing a Cutblock.....	3-3
3.3 NO Stumpage Rates when Processing a Block	3-6
3.3.1 First Method.....	3-6
3.3.2 Second Method	3-7
3.3.3 Third Method	3-9
3.4 Deciduous Waste Rate	3-10
3.5 Small Scale Salvage Rate.....	3-11
3.6 Waste Benchmarks.....	3-12

4 Errors

4.1 Errors.....	4-2
4.2 HBS Processes	4-3
4.3 Error Warnings.....	4-4
4.4 Review Billing	4-7
4.5 Cancel and Replace.....	4-8

Appendix

Appendix I Waste Rate Selections.....	A-2
A1.1 Species Codes	A-2
A1.2 Rate Definitions	A-2
A1.3 Rate Selections for Interior and Coast	A-3

This page is intentionally left blank.

Introduction

This WASTE/HBS Billing Guide is designed to assist Ministry users in performing the functions of the compilation of rates for Waste invoicing, cancelling and replacing waste submissions, and the correction of errors. The WASTE system is designed to automatically capture waste volumes and waste rates, and then invoice waste volumes through the Harvest Billing System. The system is able to function provided:

- the waste assessment of a cutblock has been reviewed and approved,
- the waste volumes have been summarized and posted to the Waste Assessment Area Segregation table,
- the waste rates have been established and posted to the Waste & Residue Rate table.

The first two tables involved are a part of HBS and must be maintained to be of use. The information contained in the Waste Assessment Area Table is used by HBS to create the header information for an FS 702 which includes scalar licence, return number, scale date, timber mark, cutblock, log count and the reporting unit. The Waste Assessment Area Segregation Table will provide the electronic FS 702 detail information which includes species, product, grade, avoidable indicator, piece count, and volume. This FS 702 is then picked up by the HBS and, after auditing for errors, HBS uses it to create a waste return that is coded **Billing in Progress** (BIP).

The WASTE system will capture waste rates using average rates computed from HBS data, benchmarks, and user input. These rates are then inserted into the Waste Residue Rate Table so that HBS can use them for invoicing waste volumes.

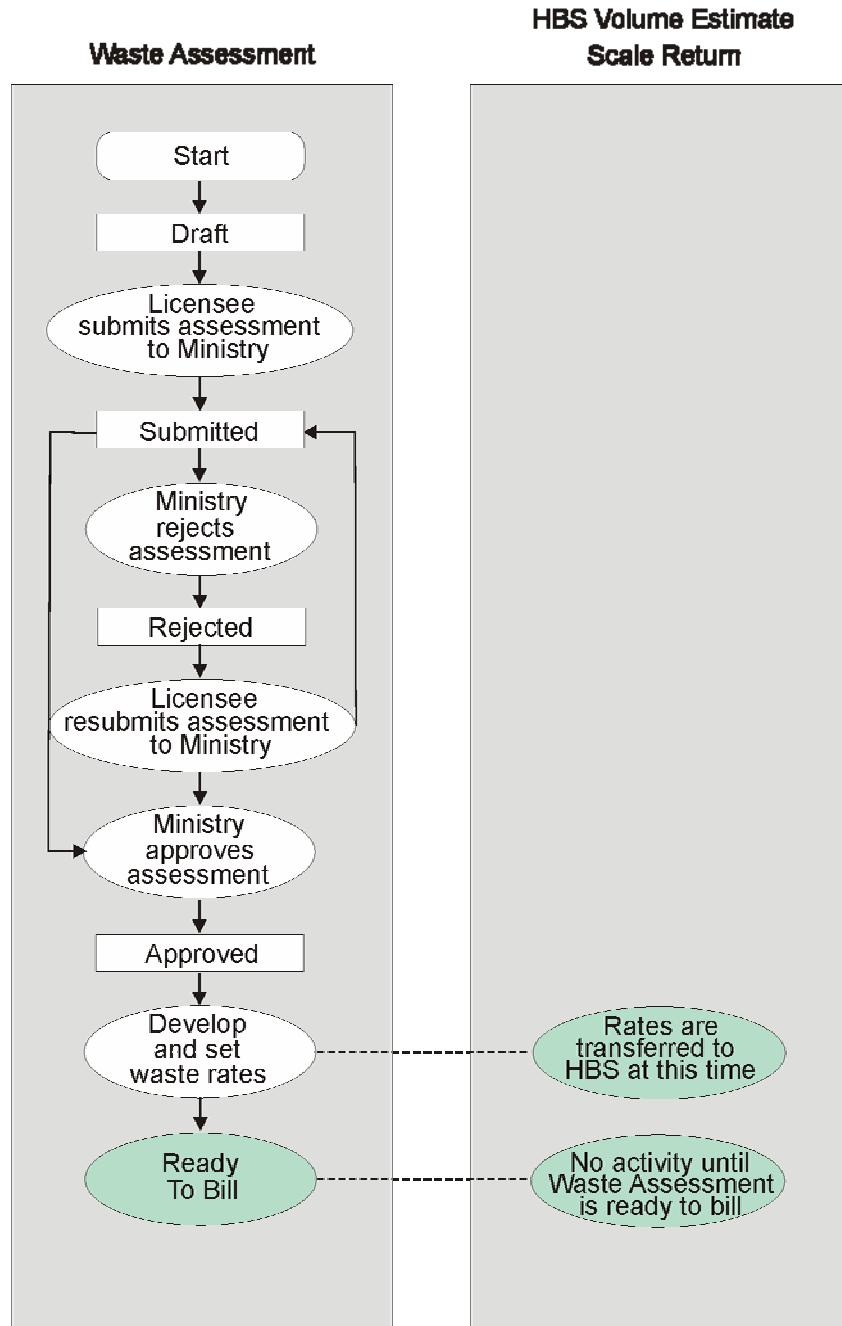
Once a waste return has been accepted in HBS, is free from errors, and waste rates are available for every segregation on the return, HBS will be able to create an invoice from the waste return. When this process has been completed successfully it will be able to create an invoice from the waste return created by the WASTE/HBS systems and will set the waste assessment block status to **Billing Issued** (BIS).

The processing of waste invoices used to involve manually keying in the HBS, the FS702 volumes by species and grade, and with respect to them, inputting the applicable

twelve-month average waste rates. These manual processes have been eliminated and replaced by an electronic and automated process using the following three (3) screens:

- Waste 601, Waste Billing, through the logging completion date captured from 102, this screen will set the twelve-month window for deriving the weighted average waste saw log rates,
- Waste 602, Waste Assessment Rates, this screen will automatically calculate the waste rates. Processing staff just need to click and select the radio buttons for the applicable rates,
- Waste 603, Review Assessment Rates, this screen automatically shows the total \$ waste billing projected for the block after adjusting for the waste benchmark. Click **Send to HBS** button, the block will convert to **Ready to Bill** status and will be captured by HBS for billing purposes.

Waste/HBS Billing Flowchart



This page is intentionally left blank.

Navigation

2

2.1 How to Process Waste Billings on Approved Blocks

If HBS is not available you cannot process Waste Billings as the rates will not pull over from the necessary HBS tables.

Sign in to the production system at: [WASTE System](#)

To locate a block simply click on the block hyperlink in the licensee's email notification.

Or, search for a block as shown below:

1. District Level

For searching blocks submitted by licensees, complete 'years', district, on RU Status select 'Approved', on Block Status select 'Submitted'.

2. Regional Level

For searching blocks approved by one particular forest district, complete 'years', district, on RU Status select 'Approved', and on Block Status select 'Approved'.

Searching can be further refined by imputing additional search criteria.

Reporting Unit ID	Plan Year Licensee	Reporting Unit Status	Method Type	Comments
199	2006 CANADIAN FOREST PRODUCTS LTD. 00	APP - Approved	Ocular	303 Details Complete
274	2006 CANADIAN FOREST PRODUCTS LTD. 00	APP - Approved	Ocular	Details Complete

- Click **Details** and the screen will appear as shown on the next page.

For this forest district, there is one Reporting Unit with Approved blocks in it. Click, to go to Waste Screen 102 as shown next.

There is a slightly different process for processing Coastal Blocks and Interior Blocks. For processing Interior blocks, go to Section 2.2 which is the next section in this chapter. For processing Coastal blocks go to Section 2.3.

2.2 Interior Block Processing

Application Home

Waste System

Annual Plan Reporting Unit Reports Ledgers

Waste102 - Block Details

Back

Annual Plan ID:	132	Forest District:	DJA - Fort St. James Forest District
Plan Year:	2006	Licensee:	CANFOR 00
Reporting Unit ID:	199	Dispersed CV (%):	EXAMPLE
Reporting Unit Status:	Approved	Accumulated CV (%):	
Option:	Ocular		
Licence No:	A40873	Cutting Permit:	B21
Block:	409	Timber Mark:	FJ3B21
Years Logged From:	2005 *	Years Logged To:	2005 *
Primary Logging Completion Date:	2006-01-29	Survey Date:	2006-01-31
Disturbance Start Date (from FTA):	2003-04-01	Disturbance End Date (from FTA):	
Net Area (ha):	100 *	Gross Disturbance Area (ha)(from FTA):	229.2
Block Status:	SP - SP only, no application received	Roads (NP/NF):	
Benchmark Volume (m ³ /ha):	4 *	Cruise (m ³ /ha):	
Block Plan Status:	APP - Approved	Catastrophic (from FTA):	N
Return Number:	0001 *	Waste Surveyor Licence:	1234 *

Before processing a block, click **Details** to go to Screen 102 to review the FTA designation, and the survey date.

If Catastrophic from FTA indicator is N, the block is endemic. If it is Y, the block is catastrophic.

If the survey date is dated prior to April 1, 2006, the block was surveyed using the old log grades. If the date is after April 1, 2006, the block was surveyed using the new interior log grades.

Then click the **Back** button to go back to Waste Screen 101. Select the approved block for processing by clicking the **Billing** button. This will go Waste Screen 601 as shown on the next page:

Application Home · Help

Waste System

- [Annual Plan](#)
- [Reporting Unit](#)
- [Reports](#)
- [Ledgers](#)

WASTE101 - Reporting Unit Details

Back

Annual Plan ID:	132	Forest District:	DJA - Fort St. James Forest District
Plan Year:	2006	Licensee:	CANFOR 00

Reporting Unit ID:	199	Go	Dispersed CV (%):
Reporting Unit Status:	APP - Approved	Accumulated CV (%):	EXAMPLE
Option:	Ocular		

Blocks

Licence No.	Cutting Permit	Block	Timber Mark	Net Area (ha)	SDN Block Status	Comments
A40873	B21	409	FJ3B21	100.00	Approved (2006-02-08 08:58:28 AM)	Details Update Deactivate Delete District Billing
Total:						100.00

1 row returned

Save Cancel

Back

*Feedback *Disclaimer *Privacy *Copyright Ministry of Forests & Range

2.2.1 Endemic, Catastrophic – Old Interior Log Grades

This is Screen 601 Waste Billing,

WASTE System - Microsoft Internet Explorer provided by Solutions BC

File Edit View Favorites Tools Help

Address http://testextranet5.for.gov.bc.ca/waste/ Application Home Help

Waste System

- [Annual Plan](#)
- [Reporting Unit](#)
- [Reports](#)

Back

Annual Plan ID:	147	Forest District:	DOS - Okanagan Shuswap Forest District
Plan Year:	2005	Licensee:	TOLKO 06

Reporting Unit ID:	242	Dispersed CV (%):	
Reporting Unit Status:	APP - Approved	Accumulated CV (%):	
Option:	Ocular		

Blocks

Licence No	Cutting Permit	Block	Timber Mark	Net Area (ha)	Block Status
A18672	356	3	ER9356	55	Draft
A20013	836	5	EE9836	60	Approved
A20214	198	28	FC1198	45	Approved
A17842	97	BM0031	EH6097	100	Approved
A17842	97	BM0080	EH6097	50	Approved

Primary Logging Completion Date: 2001-09-25 Total: 310.0

Menu ready for use Wastehbs.doc - Microsoft Word

The primary logging completion date entered by the user is automatically copied over from Waste Screen 102. Click the Submit button to go to Waste Screen 602, as shown next.

Application Home · Help

Waste System

Annual Plan Reporting Unit Reports Ledgers

WASTE602 - Waste Assessment Rates

Back

Annual Plan ID:	132	Forest District:	DJA - Fort St. James Forest District
Plan Year:	2006	Licensee:	
Reporting Unit ID:	199	Dispersed CV (%):	
Reporting Unit Status:	APP - Approved	Accumulated CV (%):	
Option:	Ocular		
Mark:	FJ3B21	Block:	409
WMRF:	.92	Ref'd as a Multi-Mark:	No
Multi-Mark/Parent Block Mark:	Multi-Mark/Parent Block Block:		

EXAMPLE

Apply WMRF	Surveyed Species	Surveyed Grade	Species Grade Avg.	Species Avg.	Grade Avg.	Mark Avg.	User Provided Rate
<input checked="" type="radio"/> Yes	LO	2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$ 2.00

→ Review Assessment

Feedback · Disclaimer · Privacy · Copyright Ministry of Forests & Range

This is Waste Screen 602 showing the species and grades reported in the waste survey. The rates for the saw log grades have been calculated and shown as user provided rates.

Step 1 - Select and input rates (see Appendix 2 for details),

For both the end/cat block, for

- Sawlog grades, click the "Mark Avg." button,
- Grade 4, click the "Grade Avg." button.

If this is an endemic block- for grade 3 click the "Grade Avg." button. If this is a catastrophic block - for grade 3 click the "User Rate" button and enter \$0.

After the selection, the screen will appear as shown on the next page for an endemic block.

Waste System

Annual Plan | Reporting Unit | Reports | Ledgers

WASTE602 - Waste Assessment Rates

Back

Annual Plan ID:	.J	Forest District:	DJA - Fort St. James Forest District																																								
Plan Year:	2005	Licensee:																																									
Reporting Unit ID:	2	Dispersed CV (%):																																									
Reporting Unit Status:	APP - Approved	Accumulated CV (%):																																									
Option:	Ocular																																										
Mark:		Block:	28																																								
WMRF:	.16667	Ref'd as a Multi-Mark:	No																																								
Multi-Mark/Parent Block Mark:		Multi-Mark/Parent Block Block:																																									
<table border="1"> <thead> <tr> <th>Apply WMRF</th> <th>Surveyed Species</th> <th>Surveyed Grade</th> <th>Species Grade Avg.</th> <th>Species Avg.</th> <th>Grade Avg.</th> <th>Mark Avg.</th> <th>User Provided Rate</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="radio"/></td> <td>CY</td> <td>3</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>\$ 0.25</td> </tr> <tr> <td><input type="radio"/></td> <td>FI</td> <td></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>\$ 0.19</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td>HE</td> <td></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>\$ 0.14</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td>LO</td> <td></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>\$ 0.09</td> </tr> </tbody> </table>				Apply WMRF	Surveyed Species	Surveyed Grade	Species Grade Avg.	Species Avg.	Grade Avg.	Mark Avg.	User Provided Rate	<input checked="" type="radio"/>	CY	3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$ 0.25	<input type="radio"/>	FI		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$ 0.19	<input checked="" type="radio"/>	HE		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$ 0.14	<input checked="" type="radio"/>	LO		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$ 0.09
Apply WMRF	Surveyed Species	Surveyed Grade	Species Grade Avg.	Species Avg.	Grade Avg.	Mark Avg.	User Provided Rate																																				
<input checked="" type="radio"/>	CY	3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$ 0.25																																				
<input type="radio"/>	FI		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$ 0.19																																				
<input checked="" type="radio"/>	HE		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$ 0.14																																				
<input checked="" type="radio"/>	LO		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	\$ 0.09																																				

Review Assessment

Step 2 - Click the **Review Assessment** button, it will take users to the Waste Screen 603 as shown below:

Waste System

Annual Plan | Reporting Unit | Reports | Ledgers

WASTE603 - Review Waste Assessment Rates

Back

Annual Plan ID:	132	Forest District:	DJA - Fort St. James Forest District																																				
Plan Year:	2006	Licensee:																																					
Reporting Unit ID:	199	Dispersed CV (%):																																					
Reporting Unit Status:	APP - Approved	Accumulated CV (%):																																					
Option:	Ocular																																						
Mark:	FJ3B21	Block:	409																																				
WMRF:	.92	Ref'd as a Multi-Mark:	No																																				
Multi-Mark/Parent Block Mark:		Multi-Mark/Parent Block Block:																																					
<table border="1"> <thead> <tr> <th>Surveyed Species</th> <th>Surveyed Grade</th> <th>Surveyed Volume</th> <th>Waste Rate</th> <th>Projected Amount</th> <th>Rate Source</th> </tr> </thead> <tbody> <tr> <td>Available LO</td> <td>2</td> <td>5,000.000</td> <td>\$1.84</td> <td>\$9,200.00</td> <td>AU - User Override</td> </tr> <tr> <td>Subtotal</td> <td></td> <td>5,000.000</td> <td></td> <td>\$9,200.00</td> <td></td> </tr> <tr> <td>Unavoidable</td> <td></td> <td>0.000</td> <td>\$0.00</td> <td>\$0.00</td> <td>Regulation</td> </tr> <tr> <td>Subtotal</td> <td></td> <td>0.000</td> <td></td> <td>\$0.00</td> <td></td> </tr> <tr> <td>Total</td> <td></td> <td>5,000.000</td> <td></td> <td>\$9,200.00</td> <td></td> </tr> </tbody> </table>				Surveyed Species	Surveyed Grade	Surveyed Volume	Waste Rate	Projected Amount	Rate Source	Available LO	2	5,000.000	\$1.84	\$9,200.00	AU - User Override	Subtotal		5,000.000		\$9,200.00		Unavoidable		0.000	\$0.00	\$0.00	Regulation	Subtotal		0.000		\$0.00		Total		5,000.000		\$9,200.00	
Surveyed Species	Surveyed Grade	Surveyed Volume	Waste Rate	Projected Amount	Rate Source																																		
Available LO	2	5,000.000	\$1.84	\$9,200.00	AU - User Override																																		
Subtotal		5,000.000		\$9,200.00																																			
Unavoidable		0.000	\$0.00	\$0.00	Regulation																																		
Subtotal		0.000		\$0.00																																			
Total		5,000.000		\$9,200.00																																			

Feedback **Disclaimer** **Privacy** **Copyright** Ministry of Forests & Range

The Waste Screen 603 shows the projected \$ waste billing for the avoidable species and grades based on the selection and input of rates on screen 602.

The waste rates for the saw log species have been automatically adjusted to account for whether the block is above or below the benchmark.

As well, all the unavoidable species and grades reported in the waste survey have been automatically coded to zero rates.

Step 3 - Click the Send Rates to HBS button, the block will be electronically sent to HBS for invoice processing. The user will be taken back to Waste Screen 101, the block status for this processed block on screen 101 will be changed to **Ready to Bill**.

2.2.2 New Interior Log Grades

From screen 101, click **Billing** to go to screen 601, click Submit to go to screen 602.

Apply WMRF	Surveyed Species	Surveyed Grade	Species Grade Avg.	Species Avg.	Grade Avg.	Mark Avg.	User Provided Rate
<input checked="" type="radio"/> Yes	CE	1	<input type="radio"/>	\$29.40	<input type="radio"/>	<input checked="" type="radio"/> \$29.40	<input type="radio"/>
<input type="radio"/> No	Fl	1	<input type="radio"/>	\$29.40	<input type="radio"/>	<input checked="" type="radio"/> \$29.40	<input type="radio"/>
<input checked="" type="radio"/> Yes	Fl	2	<input type="radio"/>	\$29.40	<input type="radio"/>	<input checked="" type="radio"/> \$29.40	<input type="radio"/>
<input type="radio"/> No	Fl	4	<input type="radio"/>	\$0.25	<input checked="" type="radio"/> \$0.25	<input type="radio"/>	<input type="radio"/>
<input checked="" type="radio"/> Yes	SP	1	<input type="radio"/>	\$29.40	<input type="radio"/>	<input checked="" type="radio"/> \$29.40	<input type="radio"/>
<input type="radio"/> No	SP	4	<input type="radio"/>	\$29.40	<input checked="" type="radio"/> \$0.25	<input type="radio"/>	<input type="radio"/>

Review Assessment

For grades 1 and 2, click the "Mark Avg." button. For grade 4, click the "Grade Avg." button.

See Appendix II for further details on rate selections.

Click **Review Assessment** to go to screen 603, then click Send to HBS as shown in the previous section.

2.3 Coastal Block Processing

Waste System

Annual Plan Reporting Unit Reports

Waste001 - Inbox/Reporting Unit Search

From:	2005 (Year)	To:	2005 (Year)
Forest District:	DSC - Sunshine Coast Forest Di	Licensee:	
Licence No:		Cutting Permit:	
Block:		Timber Mark:	
Reporting Unit Status:		Block Status:	APP - Approved
<input type="button" value="Search"/> <input type="button" value="Clear"/>			

1 row returned

Reporting Unit ID	Plan Year Licensee	Reporting Unit Status	Method Type	303 Comments
1331	2005 TIMBER SALES MGR STRAIT OF GEORGIA 00	APP - Approved	Cutblock	

Menu ready for use Local intranet



From Waste Screen 001, input search criteria and search for approved blocks, click **Details** to go to screen 101 as shown next.

Application Home Help

Waste System

Annual Plan Reporting Unit Reports Ledgers

WASTE101 - Reporting Unit Details

Annual Plan ID:	256	Forest District:	DSI - South Island Forest District
Plan Year:	2007	Licensee:	DSI 00

Reporting Unit ID: Dispersed CV (%): 100
 Reporting Unit Status: APP - Approved Accumulated CV (%): 100
 Option: Cutblock

EXAMPLE

Blocks

Licence No.	Cutting Permit	Block	Timber Mark	Net Area (ha)	SDN Block Status	Comments
A19233	30	AR515	EY2030	100.00	Approved (2007-02-28 11:15:50 AM)	

Total: 100.00

Billing

*Feedback *Disclaimer *Privacy *Copyright Ministry of Forests & Range

Before processing a block, click **Details** to go to 102 and make a note of the survey date. Waste rate selections used in later screen 602 are dependent on the survey date.

Click the **Billing** button to go to screen 601 as shown next:

The screenshot shows the WASTE601 - Waste Billing screen. At the top, there are tabs for Application Home, Help, Waste System, Annual Plan, Reporting Unit, Reports, and Ledgers. The Waste System tab is selected. Below the tabs, the title 'WASTE601 - Waste Billing' is displayed. A 'Back' button is located on the left. The main area contains form fields for Annual Plan ID (243), Plan Year (2007), Forest District (DJA - Fort St. James Forest District), Licensee (CANFOR 00), Reporting Unit ID (361), Reporting Unit Status (APP - Approved), Option (Ocular), Dispersed CV (%), and Accumulated CV (%). Below these are sections for 'Blocks' and a table for 'Licence No Cutting Permit Block Timber Mark'. The table includes columns for Licence No, Cutting Permit No, Block, Timber Mark, Net Area (ha), and Block Status. One row is shown with values: A02484, 34, 16, G62034, 57 Approved. A 'Primary Logging Completion Date' field shows 2006-11-15, and a 'Submit' button is present. At the bottom, there are links for Feedback, Disclaimer, Privacy, Copyright, and the Ministry of Forests & Range.

Click the **Submit** button to go to Waste Screen 602

Click and select the appropriate rates (see Appendix II, Tables 2-3, 2-4).

If the block survey date is before May 1, 2006, use selections as per Table 2-3. For those having survey dates after May 1, 2006, use Table 2-4.

The screenshot shows the WASTE602 - Waste Assessment Rates screen. At the top, there are tabs for Application Home, Help, Waste System, Annual Plan, Reporting Unit, Reports, and Ledgers. The Waste System tab is selected. Below the tabs, the title 'WASTE602 - Waste Assessment Rates' is displayed. A 'Back' button is located on the left. The main area contains form fields for Annual Plan ID (256), Plan Year (2007), Forest District (DSI - South Island Forest District), Licensee (DSI 00), Reporting Unit ID (377), Reporting Unit Status (APP - Approved), Option (Cutblock), Dispersed CV (%), and Accumulated CV (%). Below these are sections for 'Mark' (EY2030), 'WMRF' (.14352), and 'Multi-Mark/Parent Block Mark'. A large table lists species with their Surveyed Grade, Species Grade Avg., Species Avg., Grade Avg., Mark Avg., and User Provided Rate. The table includes rows for BA (U, 0.04), CE (H, 0.57), FI (D, 0.57), FI (J, 0.57), HE (U, 0.04), HE (X, 0.04), and SP (U, 0.57). A 'Review Assessment' button is located at the bottom right. At the bottom, there are links for Feedback, Disclaimer, Privacy, Copyright, and the Ministry of Forests & Range.

Click the **Review Assessment** button located near bottom of the screen to go to 603, as show next.

Waste System			
Annual Plan	Reporting Unit	Reports	Ledgers
WASTE603 - Review Waste Assessment Rates			
<input type="button" value="Back"/>			
Annual Plan ID:	256	Forest District:	DSI - South Island Forest District
Plan Year:	2007	Licensee:	DSI 00
Reporting Unit ID:	377	Dispersed CV (%):	100
Reporting Unit Status:	APP - Approved	Accumulated CV (%):	100
Option:	Cutblock	EXAMPLE	
Mark:	EY2030	Block:	AR515
WMRF:	.14352	Ref'd as a Multi-Mark:	No
Multi-Mark/Parent Block Mark:	Multi-Mark/Parent Block Block:		
Avoidable	Surveyed Species	Surveyed Grade	Surveyed Volume
	FI	D	41,535
	HE	U	92,300
	CE	H	2,396,050
	FI	J	4,615
	SP	U	738,400
	HE	X	314,341
	BA	U	184,600
Subtotal			\$260.36
Unavoidable			\$0.00
Subtotal			\$0.00
Total			\$260.36
<input type="button" value="Revise Rates"/> <input type="button" value="FS 702"/> <input style="border: 2px solid red; border-radius: 10px; padding: 2px;" type="button" value="Send Rates to HBS"/>			
<small>*Feedback *Disclaimer *Privacy *Copyright</small> Ministry of Forests & Range			

The waste rates for the saw log species have been automatically adjusted to account for the Waste Reduction Measure Factor (WMRF) using the Benchmark method.

Review the assessment, if everything appears correct click the **Sent Rates to HBS** button. If successful, a message will appear on top of the screen indicating success and the block status will be changed to **Ready to Bill**.

2.4 Special Cases

2.4.1 No Waste Benchmark Applied

Waste System

Annual Plan	Reporting Unit	Reports				
WMRF:	44444	Ref'd as a Multi-Mark: No				
Multi-Mark/Parent Block Mark:	Multi-Mark/Parent Block Block:					
<input type="radio"/> Yes <input checked="" type="radio"/> No Surveyed Species Surveyed Grade Species Grade Avg. Species Avg. Grade Avg. Mark Avg. User Provided Rate						
<input checked="" type="checkbox"/> CE 1 <input type="radio"/> - <input type="radio"/> \$29.40 <input type="radio"/> - <input checked="" type="radio"/> \$29.40 <input type="radio"/> \$ <input type="text"/>						
<input checked="" type="checkbox"/> FI 1 <input type="radio"/> - <input type="radio"/> \$29.40 <input type="radio"/> - <input checked="" type="radio"/> \$29.40 <input type="radio"/> \$ <input type="text"/>						
<input checked="" type="checkbox"/> FI 2 <input type="radio"/> \$29.40 <input type="radio"/> \$29.40 <input type="radio"/> \$29.40 <input checked="" type="radio"/> \$29.40 <input type="radio"/> \$ <input type="text"/>						
<input type="checkbox"/> FI 4 <input type="radio"/> \$0.25 <input type="radio"/> \$29.40 <input checked="" type="radio"/> \$0.25 <input type="radio"/> \$29.40 <input type="radio"/> \$ <input type="text"/>						
<input checked="" type="checkbox"/> SP 1 <input type="radio"/> - <input type="radio"/> \$29.40 <input type="radio"/> - <input checked="" type="radio"/> \$29.40 <input type="radio"/> \$ <input type="text"/>						
<input type="checkbox"/> SP 4 <input type="radio"/> - <input type="radio"/> \$29.40 <input checked="" type="radio"/> \$0.25 <input type="radio"/> \$29.40 <input type="radio"/> \$ <input type="text"/>						
<input type="button" value="Review Assessment"/>						

*Feedback *Disclaimer *Privacy *Copyright MINISTRY OF FORESTS

Local intranet

Toggle the "Apply WMRF" button to No in the case of a Block with No benchmarks applied. The waste benchmark will not be applied, and the saw log grade species will be billed at the full waste rates.

2.4.2 No Rates

Waste System

Annual Plan	Reporting Unit	Reports				
Reporting Unit Status:	APP - Approved	Accumulated CV (%):				
Option:	Ocular					
Mark:	FC1198	Block:	28			
WMRF:	0	Ref'd as a Multi-Mark:	No			
Multi-Mark/Parent Block Mark:	Multi-Mark/Parent Block Block:					
<input checked="" type="radio"/> Yes <input type="radio"/> No Surveyed Species Surveyed Grade Species Grade Avg. Species Avg. Grade Avg. Mark Avg. User Provided Rate						
<input checked="" type="checkbox"/> LO 1 <input type="radio"/> - <input type="radio"/> - <input type="radio"/> - <input checked="" type="radio"/> \$ <input type="text"/>						
<input type="checkbox"/> LO 3 <input type="radio"/> - <input type="radio"/> - <input type="radio"/> - <input type="radio"/> - <input type="radio"/> \$ <input type="text"/>						
<input type="checkbox"/> LO 4 <input type="radio"/> - <input type="radio"/> - <input type="radio"/> - <input type="radio"/> - <input checked="" type="radio"/> \$ <input type="text"/>						
<input type="button" value="Review Assessment"/>						

Local intranet

Sometimes there are no rates shown for a mark. If this is the situation, click the "User Provided Rate" buttons and enter the appropriate rates. This is described in the Ratings chapter of this manual.

If the block is below the benchmark, WMRF is zero, enter \$0 for saw log grade species.

If the block is above the benchmark, WMRF is greater than zero, obtain the twelve-month average Appraisal rate for the saw log grade species.

Blank WMRF

For Waste assessments with a blank WMFR and no sawlog component, a WMRF can not be calculated. If the WMRF is blank on WASTE screen 602 and there is no sawlog portion in the segregations below, the assessment may be processed using the same procedures as a WMRF rate is 0. If there is a sawlog portion in the segregations, reject the assessment and send an email to the Regional Waste Coordinator and to the District Waste Contact requesting that it be corrected. This is not a billing function and responsibility lies with the District Waste Contact to ensure the Waste Assessment is correct before approving.

2.4.3 Parent Blocks

From Waste screen 101 click the **Billing** button. If this is a parent block, it will go directly to screen 104. There you see the first block is the parent block and all the child blocks are indicated below.

Timber Mark Block	Mark Area (ha)	Primary Logging Completion Date	SDN Block Status		
44/350	8782	40	2006-01-28	Approved	Billing
EE9836		10	2006-01-16	Approved	Update Delete Billing
FC1198		20	2006-01-02	Approved	Update Delete Billing

Click the **Billing** button to process the parent block as usual. Once processing is complete, it will direct the user back to 104 to process the subsequent child block(s).

Ratings

3

3.1 Determining Rates

The determination of residue and waste billing rates can be a complex process. When processing residue and waste billings the waste billing rates coded on an FS 702 are initially based on the total billed sawlog stumpage (sum of Upset Stumpage, and Bonus Bid) for the twelve-months prior to one month after the month primary logging was declared completed on the cutblock generated by the Harvest Billing System (HBS).

This twelve-month average sawlog stumpage rate is based on two major parameters:

- the Timber Mark, and
- the Primary Logging Completion (PLC) date.

For our purposes, the twelve-month average sawlog stumpage rate can be sub-divided into five distinct rate sources:

1. Species Grade Average.
2. Grade Average.
3. Mark Average.
4. Species Average.
5. User Provided Rate.

Occasionally there are no initial stumpage rates available from HBS for a particular timber mark or PLC. If this is the case, the user must generate the stumpage rates through one of the three other accepted methods outlined below and entered into the system as a “User Provided” rate.

For Residue & Waste rates HBS now automatically interfaces with the WASTE System to provide the different stumpage rate sources for billing. Currently HBS retains the ability to add and update Residue & Waste rates but it is recommended this functionality be performed within the WASTE system.

3.2 Rates Are Available When Processing a Cutblock

WASTE Screen 602 shows the five rate sources available for each grade segregation reported from the waste survey. It obtains each of these rates from the average rates that are computed for all surveyed segregations from twelve-months of data from the HBS Harvest History Table. The WASTE system user can either accept the computed average rates, or provide a different rate (User Provided Rate). These average stumpage rates are in turn multiplied by a reduction factor (WRMF) based on the waste levels above the benchmarks for the specific timber mark and area to generate the Waste Rate. Once the Waste Rates are confirmed they are stored in the Waste Rates table by the WASTE System. HBS will then use these rates to populate and compute the values on waste invoices.

Waste System				- Help
Annual Plan	Reporting Unit	Reports	Ledgers	
WASTE602 - Waste Assessment Rates				
<input type="button" value="Back"/> Annual Plan ID: 157 Forest District: DKA - Kamloops Forest District Plan Year: 2006 Licensee: WEYER 00				
Reporting Unit ID: 253 Dispersed CV (%): 70 Reporting Unit Status: APP - Approved Accumulated CV (%): 80 EXAMPLE Option: Aggregate				
Mark: 39/150 Block: 22750 WMRF: 0 Ref'd as a Multi-Mark: No Multi-Mark/Parent Block: Multi-Mark/Parent Block Block:				
Apply	Surveyed Species	Surveyed Grade	Rate Source	Rate
N	BA	4	AC - Segregation Average	\$15.17
Y	BA	H	AS - Species Average	\$15.22
Y	FI	B	AM - Mark Average	\$15.29
<input type="button" value="Review Billing"/>				
Feedback Disclaimer Privacy Copyright				
Ministry of Forests & Range				

On the Waste Screen 603 page the grade segregations are further separated into two sections: Avoidable and Unavoidable

	Surveyed Species	Surveyed Grade	Surveyed Volume	Waste Rate	Projected Amount	Rate Source
Avoidable	LO	3	14,200	\$0.25	\$3,55	AC - Segregation Average
	LO		10,200	\$0.00	\$0.00	AC - Segregation Average
			24,400		\$3.55	
Subtotal						
Unavoidable	LO	4	6,100	\$0.00	\$0.00	Regulation
	LO		5,100	\$0.00	\$0.00	Regulation
			24,400		\$3.55	
Subtotal						
Unavoidable			0,000	\$0.00	\$0.00	Regulation
Subtotal			11,200		\$0.00	
Total			35,600		\$3.55	

[Revise Rates](#) [FS 702](#) [Send Rates to HBS](#)

[Feedback](#) [Disclaimer](#) [Privacy](#) [Copyright](#) Ministry of Forests & Range

If the Waste Rates shown are correct for each segregation, then the **Sent Rates to HBS** button is chosen. This directs HBS to invoice this assessment based on the rates in the WASTE system Waste Rates Table.

The “**FS 702**” button is for viewing the FS 702 (Volume Estimate – Waste) form.

Waste screen 601, Waste Billing, through the logging completion date captured from 102, this screen will set the twelve-month window for deriving the weighted average waste saw log rates,

Waste screen 602, Waste Assessment Rates, this screen will automatically calculate the waste rates, processing staff just need to click and select the radial buttons for the applicable rates,

Waste screen 603, Review Assessment Rates, this screen automatically shows the total \$ waste billing projected for the block after adjusting for waste benchmark. Click

Sent Rates to HBS button, the block will convert to Ready to Bill status and will be

captured by HBS for billing purposes. Since the WASTE/HBS interface was introduced, this step is performed automatically by HBS.

It should be ensured that at least one segregation is created for the assessment area before assessment area is set to Ready to Bill status (when the  button is chosen).

Ensure all segregations created have rates before assessment area is set to Ready to Bill status. Before a licensee submits an assessment area, ensure all segregations have an estimated volume greater than zero.

If the rates shown in the Waste Rates column are not correct, then the  button is chosen. If there are no rates provided by HBS then one of the next three procedures must be completed to generate the twelve month average sawlog stumpage rate.

3.3 NO Stumpage Rates when Processing a Block

There are three methods for calculating waste rates if none are shown on screen 602.

3.3.1 First Method

The first method uses the HBS Rating menu. Starting from the HBS home page, choose the Rating tab.

Welcome to the Harvest Billing System

Submitted Summary Scale Return Status

- In Error: Piece; Weight; Sample
- Held: Piece; Weight; Sample

Detail Scale Return Status

- In Error: Log Tallies; Weigh Slips; Sample Tallies; SFP Tallies
- Digital Signature Failure: Log Tallies; Weigh Slips; Sample Tallies; SFP Tallies

Data Submission Status

- XML File Transmissions: XML
- XML Batches: Log Tallies; Weigh Slips; Sample Tallies
Arrival Ledgers; Departure Ledgers; SFP Tallies

Generated Summary Scale Return Status

- In Error: Piece; Weight; Sample

Sampling Plans

- Plans: Active; Awaiting Approval; In Progress; Rejected

Help Desk & Links

Ministry of Forests

Screen: home

This will take you to the Rate Management menu where Compute Waste & Residue Average Rate is chosen, as shown below;

Rate Management Menu

MORE INFO: Search for Rates

- Help
 - Search For Override Rates
 - Search For District Default Rates
 - Search For Waste Rates
 - Search For A Stumpage Rate
 - Compute Waste & Residue Average Rate

Help Desk & Links

Ministry of Forests

Screen: P199

This screen allows you to compute an average rate for a particular timber mark, for a particular time period. The period is determined by the primary logging completion date as reported in the waste assessment (eleven months before and one month after the PLC).

For the “Species” box “All Coniferous” is selected and for the “Grade” box “All Eligible” is selected.

The screenshot shows the 'Compute a Waste & Residue Average Rate' page. It includes a legend indicating that red asterisks (*) denote required fields. The form fields are as follows:

- * Timber Mark:** [Input field]
- * Period Start Date:** [Input field] (Format: yyyyymmdd)
- * Period End Date:** [Input field] (Format: yyyyymmdd)
- * Species:** [Dropdown menu] set to All Coniferous
- * Product:** [Dropdown menu] set to Logs
- * Grade:** [Dropdown menu] set to All Eligible

Below the form is a green-bordered box labeled 'Average Rate:' containing a 'Compute Average Rate' button.

3.3.2 Second Method

The second method of obtaining the rates is to compute them manually. For cutblocks where the waste rate is derived from the weighted average stumpage rate charged for the sawlogs in invoices issued during the twelve-month period ending one month after the month in which the primary logging was completed. The formula to be used is:

$$\text{WR} = \text{TS}/\text{TV}$$

Where:

WR = Waste Rate for the cutting authority.

TS = Total billed sawlog stumpage (sum of Upset Stumpage*, and Bonus Bid) for the twelve-months prior to one month after the month primary logging was declared completed on the cutblock. * Include silviculture and development levies.

TV = Total billed volume (accumulated volume in cubic metres that derived the total billed stumpage for the sawlogs) for the twelve-months prior to one month after the month primary logging was declared completed on the cutblock.

This Waste Rate is then entered to the WASTE screen 601 in the “User Provided Rate” column. The User Provided Rate is multiplied by the reduction factor (WMRF) to arrive at the Waste Rate. This stores them in the WASTE Rate table for use in HBS residue and waste invoicing.

To obtain the Waste Rate for a timber mark, go into the Harvest Billing System (HBS) at

<http://apps15.for.gov.bc.ca/hbs/opq/P400.jsp>

and use the following procedure:

1. Click on the Queries Tab at the top of the page.
2. Under the **Harvest Reports** heading, click on **By Date of Invoice (Billing History)** and the program will take you to the **Mark Monthly Billing/Scaling History Selection** page. Fill out the following information;
 - Under **Report Type**, click on the **Billing History** button.
 - Under **Interval (up to 12-months)**, enter the **12-month period** using the drop down boxes (add one month to the primary logging date to obtain the end date and go back 12-months from the end date).
 - Click the **timber mark button** and enter the applicable timber mark.
 - Under **Species**, click on the down arrow. You will normally select **Coniferous Species**. Select **Deciduous Species** if you need a rate for the deciduous species.
 - Under **Product**, click on the down arrow and select **Logs**.
 - Under **Grade**, click on the down arrow and select **Utility and Better (all grades except 4, 5, 6, Y and Z)** for the Coast or ungraded for the Interior.
 - Make sure that the **Exclude Firmwood Reject** and **Exclude Waste/Residue** buttons are checked.
3. Click on the **Configure PDF Report** button at the bottom of the page and the program will take you to the **mark Monthly Billing Report Configuration** page. Under the heading **Group Output by**, click on **Region Harvested/District Harvested**.
 - Under the heading **Detail Lines Displayed**, you must click on at least the **Volume/Value (\$/m3)** box. Also clicking on the **Volume** and **Value** boxes will provide the total volume billed and the total value billed for each month as well as the totals for the 12-month period.

- Under the heading **Include Species/Product/Grade Groups** you will normally click on the None button. You can click on Species or Species and Grade if you need to be more specific but it is not normally required for Waste.

When using this method in the Coast Region, care must be taken to remove the Hemlock and Balsam U and X grades from the totals of the report.

4. Click on the **Send PDF Report** button at the bottom of the page and you will be taken to the **Report Delivery Address Screen** where you will be shown what you have requested (format, billing date (twelve-month period), timber mark, species, product, grade, exclusions and group by). If the information is correct click on the **Submit** button and the report will be sent to by e-mail.

If the information is not correct go back and correct it before submitting the report.

The **View PDF Preview** button just shows you how the report will be laid out but does not contain any of the data you requested.

5. Clicking on the Internet address in the e-mail note that is sent by the HBS system will take you into your report where you can save and/or print the report.

3.3.3 Third Method

Use the third method if no average stumpage rate is available from the HBS due to no harvest in the twelve-month period. The waste rate for the cutblock is derived using the average of the cutting authority's four quarterly timber appraisal stumpage rates (plus any bonus and levies where applicable) in effect during the twelve-months preceding the date of the cutting authority's expiry, surrender, termination or cancellation. The formula to be used is:

$$\text{WR} = \text{ACASR}$$

Where:

WR = Waste Rate for the cutblock.

ACASR = Average Cutting Authority Stumpage Rate over the four quarters preceding the expiry, surrender, and termination or cancellation date.

Example 1: If Cutting Authority A (CP A) became effective on September 5, 2003, and expires on September 4, 2005, then the ACASR is the simple average of the four quarterly stumpage rates for CP A as at October 1, 2004, January 1, 2005, April 1, 2005 and July 1, 2005.

Example 2: If Cutting Authority B (CP B) became effective on April 20, 2005, and is surrendered on September 5, 2005, then the ACASR is the simple average of the April 20, 2005 and July 1, 2005 stumpage rates for CP B.

3.4 Deciduous Waste Rate

For deciduous species the waste rate either is the appraised, stand as a whole reserve rate, or, if there is no appraised rate, the specified fixed rate for the species in the Coast or Interior Appraisal Manuals plus any bonus bid and levies where applicable.

3.5 Small Scale Salvage Rate

For small scale salvage use rates listed by species and grade in HBS.

3.6 Waste Benchmarks

Waste Benchmarks are currently in effect.

On an individual cut block basis the following waste benchmarks, in cubic metres per hectare, will be used for monetary billing of avoidable waste.

The WMRF is to be applied to rates on WASTE assessments before they are sent to HBS for invoicing. The current method for calculating WMRF uses a value called **Benchmark** which is entered on WASTE screen 102 – Block Details. The benchmark is defaulted based on the maturity type (coast districts) or the zone and condition (interior districts).

Coast	Immature	Mature
Normal	10 m ³ /ha	35 m ³ /ha

Interior	Dry Belt	Transition Zone	Wet Belt
Normal	4 m ³ /ha	10 m ³ /ha	20 m ³ /ha

The waste benchmark volume of a cutblock is derived by multiplying the value of the benchmark with the total of the dispersed, accumulations, and standing tree subpopulation area reported.

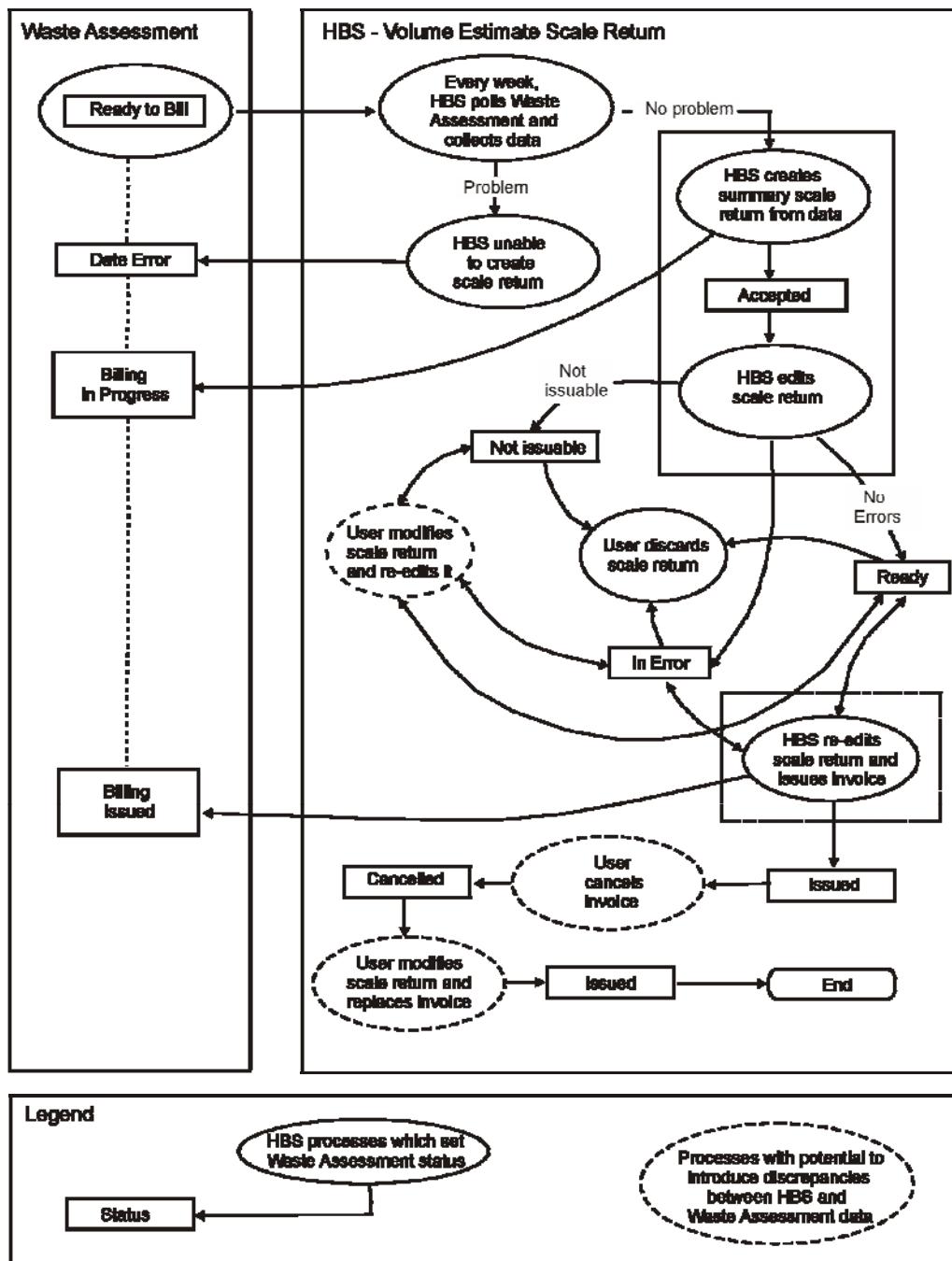
Errors

4

Numerous edits are performed throughout the data entry process of a waste assessment before it gets to the billing approval process. The schematic below shows where the edits occur and how waste billing flows through the WASTE System.

4.1 Errors

If an error is detected the error code **ERR** will be shown indicating that there is a data error. These edits are performed automatically when the **Sent Rates to HBS** button is clicked on WASTE screen 603.



4.2 HBS Processes

There are two HBS processes used to generate a **Waste Invoice**. The first, runs twice a week and creates a summary return from Waste Assessments that are in **Ready to Bill** status. The second, run daily, creates an invoice from the summary returns that are error free.

Some of the most common causes of error are:

- Survey date is outside the terms of the licence.
- Avoidable indicator is null.
- Estimated volume is null.
- Timber Mark does not exist in the TM Table.
- Cut block does not exist in the Cut Block Table.
- Return number is not numeric.
- Survey date is greater than the current date.

4.3 Error Warnings

The primary function of the error warning is that the summary waste return (FS702) cannot be built by HBS and the waste assessment is rejected. There are several areas of error that are shown below in separate tables:

Waste Assessment Area Table Errors

Column	Condition	Code	Description
Timber Mark	Is null	WBIF04	Timber mark cannot be null.
Timber Mark	Does not exist in the Timber Mark table and does not exist in the Mark Billed Client Table	WBIF05	Timber mark must be in Timber Mark Table.
Cut Block ID	No cutblocks exist for this timber mark in the Cutblock Table, and the cut block in the waste assessment is not null	WBIF08	Cutblock must be in the Cutblock Table.
Cut Block ID	Cutblock exist for this timber mark in the Cut Block Table, but the cutblock in the waste assessment is not one of them, or is null.	WBIF09	Cutblock must be one of the Cutblocks associated with this Timber mark.
Survey Date	Is null.	WBIF15	Survey date cannot be null.
Survey Date	Is greater than the current date.	WBIF16	Survey date cannot be greater than the current date.
Document Control Number	Is not null.	WBIF18	Document Control number must be null.

Waste Assessment Segregation Table Errors

Column	Condition	Code	Description
Avoidable Indicator	Is null.	WBIF21	Avoidable indicator cannot be null.
Number of pieces	Is null.	WBIF23	Number of pieces cannot be null.
Number of pieces	Is zero.	WBIF24	Number of pieces cannot be zero.
Scale Grade Code	Is null.	WBIF26	Scale grade code cannot be null.
Scale Grade Code	Grade does not exist in Coast Scale Grade Code Table (for Coast mark).	WBIF8C	Grade does not exist in Coast Scale Grade Code Table (for Coast mark).
Scale Grade Code	Grade does not exist in Interior Scale Grade Code Table (for Interior Mark).	WBIF8I	Grade does not exist in Interior Scale Grade Code Table (for Interior mark).
Scale Grade Code	Grade exists in Coast Scale Grade Code Table (for Coast mark) but the entry either is not in effect, or has expired as of the survey date.	WBIF9C	Grade exists in the Coast Scale Grade Table (for Coast mark), but not for this survey date.
Scale Grade Code	Grade exists in the Interior Grade Coast Table (for Interior mark), but the entry either is not in effect, or has expired as of the survey date.	WBIF9I	Grade exists in the Interior Scale Grade Table (for Interior mark), but not for this survey date.
Scale Product Code	Is null.	WBIF30	Scale Product Code cannot be null.
Scale Species Code	Is null.	WBIF32	Scale Species Code cannot be null.
Species Product Grade	The species/product/grade combination does not exist in the Species Product Grade XRef Table.	WBIF34	The species/product/grade combination does not exist in the Species Product Grade XRef Table.
Species Product Grade	The species/product/grade combination exists in the Species Product Grade XRef Table, but the entry either is not in effect, or has expired as of the survey date.	WBIF35	The species/product/grade combination exists in the Species Product Grade XRef Table, but not for this survey date.

Column	Condition	Code	Description
Waste Estimated Volume	Is null.	WBIF36	Waste Estimated Volume cannot be null.
Waste Estimated Volume	Is zero.	WBIF37	Waste Estimated Volume cannot be zero.

Relational Errors

Column	Condition	Code	Description
Waste Assessment Area	No segregations exist for this assessment area.	WBIF19	No segregations exist for this assessment area.
Waste Assessment Segregation	No rates exist for one or more avoidable segregations.	WBIF20	No rates exist for one or more avoidable segregations.
Waste Assessment Area	Another waste volume estimate summary return already exists with the same timber mark, cut block and scale date. The existing duplicate must be an active version with status = ERR (Error), HLD (held), ISS (Issued), LCK (Locked), or RDY (Ready)	WBIF00	Another waste volume estimate summary return already exists with the same timber mark, cutblock and scale date.
Waste Assessment Area	Timber mark exists, but it is a cruise-based mark.	WBIF6C	Waste assessment not permitted for a cruise-based timber mark.
Waste Assessment Area	Timber mark exists, but it is an oil-and-gas (area based) timber mark.	WBIF6A	Waste assessment not permitted for an oil-and-gas (area based) timber mark.
Waste Assessment Area	Timber mark exists, but it is a cash-sale timber mark.	WBIF6\$	Waste assessment is not permitted for a cash-sale timber mark.

4.4 Review Billing

Applicable to Ministry staff only, a **Review Billing** button is added to all assessment areas on WASTE 101 and WASTE 104 that are in BIS – Billing Issued status. Clicking this button will navigate the IDIR user to the WASTE 601 screen. On this screen there will also be a **Review Billing** button which will take the user to WASTE602. From that screen there will also be a **Review Billing** button which will take the user to WASTE603. When reviewing the billing, with the status of the assessment area in **BIS – Billing Issued**, the WASTE 600 screens will be in read-only mode. That is, no updates will be allowed regardless of application role.

4.5 Cancel and Replace

Cancel and Replace an invoice occurs when an error is discovered after billing has occurred. Replaced invoices must have a valid, documented reason and can only be performed by specific Ministry staff with the Invoice Correction Approver role. Only after the invoice is cancelled in HBS can the Rebill procedure be performed. The WASTE system will not be updated until the  button is pressed on Waste screen 602.

Appendix

Appendix I Waste Rate Selections

A1.1 Species Codes

- | | |
|------------------------|--|
| Coniferous (C) species | - BA, CE, CY, FI, HE, LA, LO, SP, UU, WB, WH, YE |
| Deciduous (D) species | - AL, AR, AS, BI, CO, MA, WI |

A1.2 Rate Definitions

Definitions

- | | |
|--------------------|--|
| Species Grade Avg. | The species grade average for Fir Grade 1 would only include Harvest History records for Fir Grade 1. |
| Species Avg. | The species average for Fir would include Harvest History records for Fir, for only for the sawlog grades (in the Interior this would be blank, 1, and 2). |
| Grade Avg. | The grade average for grade 1 would include Harvest History records for all species, but only for Grade 1. |
| Mark Avg. | The mark average would include Harvest History records for all species, again only for the sawlog grades. |
| User Provided Rate | Use this to input a rate when there is no rate shown, or to input \$0 for grades indicated in the tables. |

A1.3 Rate Selections for Interior and Coast

Table A-1 Interior Rate Selections

(Survey Date before April 1, 2006)

Species	Grades Interior	Species Grade Avg.	Species Avg.	Grade Avg.	Mark Avg.	User Provided Rate
C	Blank				X	
D	Blank	X				
C	3, endemic					
	3, catastrophic					X, \$0
C, D	4			X		
C	5					X, \$0
C	^					X, \$0
C, D	Z					X, \$0

Table A-2 Interior Rate Sections

(Survey Date on/after April 1, 2006)

Species	Grades Interior	Species Grade Avg.	Species Avg.	Grade Avg.	Mark Avg.	User Provided Rate
C	1, 2				X	
D	1,2		X			
C, D	4			X		
C	6					X, \$0
C, D	Z					X, \$0

Table A-3 Coast Rate Sections
 (Survey Date before May 1, 2006)

Species	Grades Interior	Species Grade Avg.	Species Avg.	Grade Avg.	Mark Avg.	User Provided Rate
C	X or better				X	
D	-		X			
D	W		X			
C, D	Y			X		
C, D	Z					X, \$0

Table A-4 Coast Rate Sections
 (Survey Date on/after May 1, 2006)

Species	Grades Interior	Species Grade Avg.	Species Avg.	Grade Avg.	Mark Avg.	User Provided Rate
C*	U or better				X	
HE, BA	J or better				X	
C	X					X, \$0.25
HE, BA	U					X, \$0.25
D	W	X				
C, D	Y			X		
C, D	Z					X, \$0

* Except HE, BA