

File: 280-30

December 18, 2007

BY EMAIL

To: Regional Executive Directors

From: Murray Stech
Director
Revenue Branch

Re: 2007 Cruise Compilation Manual – Amendment No. 2

The purpose of this memo is to inform you that Amendment No. 2 to the 2007 *Cruise Compilation Manual* becomes effective on January 31, 2008. This amendment is necessary to ensure that the damage reports in all the cruise compilation programs are reporting damage attributes consistently.



Amendment No. 2 is attached.

Comments or questions about this manual should be referred to Keith Tudor, Cruising Policy Forester, Revenue Branch at (250) 356-7674 or Els Armstrong, SIFR Cruising Coordinator at (250) 828-4907.

Murray Stech
Director
Revenue Branch

Attachment

pc: Region and District Cruising Coordinators

Amendments

Amendment No. 2 - Effective January 31, 2008

For your convenience the current amendment updates appear in red text. All changed graphics are indicated with a red arrow ➡. Two arrows ➡➡ represents text removed.

Section	Description
Section 4.2	Updated Damage Reporting Requirement.
Figure 4.2, 4.3, 4.4	Figure numbers changed to reflect removal of Figure 4.1.

Amendment No. 1 - Effective November 23, 2007

For your convenience the current amendment updates appear in red text. All changed graphics are indicated with a red arrow ➡. Two arrows ➡➡ represents text removed.

Section	Description
Section 14.3.2.4	Insect Damage Table.
Figure 14.2	Updated Interior Appraisal Summary – Sample Listing.

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4.2 Damage Report Calculation

Trees with multiple damage codes will report each damage type in the *Damage Summary Reports*. The damage code or codes that will assign the highest risk group will be used in the calculation of the net volume for each of the damage types. If pathological indicator(s) move the risk group higher than the damage code(s) then use the risk group from the pathological indicator(s) to calculate the *Damage Summary Reports*.

Example

Cruise = 1 ha, 1 plot, 1.0 m³ mature Lodgepole Pine tree that represents 100 stems/ha with down tree code G, fire code B and insect 3:

Risk groups (RG) -Down Tree = RG3, Fire = RG2, Insect 3 = RG 2. Use RG 3 since it is the highest risk group.

Volume - Hypothetical loss factor DWB = 30% plus 20% for the grey attack breakage add-on = 50%.

Tree = 1.0 m³ - 0.5 m³. Cruise volume per hectare = 0.5 * 100 stems = 50 m³.

Damage reports -Type, Block and Cutting Permit Damage Report Net Volume = 50 m³ for Lodgepole pine Down Tree (G), Fir (B) and Insect (3).

4.3 Sample Damage Report Listings

Some of the DBH classes have been removed from these sample listing.

4.3.1 Extended Forest Type Stand and Stock Damage Report - Sample Listing

FOREST REVENUE BRANCH - 2001.0									
NOT FOR APPRAISAL PURPOSES DUE TO NON-STANDARD UTILIZATION *** DOUBLE SAMPLING CRUISE ****									
NOTE - ALL TREES GREATER THAN 275 CM ARE INCLUDED IN THE 275 CM CLASS									
LICENCE NUMBER CF7080									
CUTTING PERMIT 000									
TYPE 1 - PA H C 9 4 1									
ROAD/LANDINGS AREA - 5.0 OTHER AREA - 0.0 NO. OF PLOTS (M/C) 3. NO. OF DEAD TREES 0.									
SPECIES CEDAR									
DOWN & SHATTERED - UPROOTED DAMAGE									
LIVING TREES									
RISK RISK RISK RISK RISK									
GROUP 0 GROUP 1 GROUP 2 GROUP 3 POTENTIAL									
TOTAL									
LIVE									
VETERANS DEAD U LIVE U									
AVERAGE									
GROSS NET									
HT MERCH. MERCH.									
PER TREE PER TREE									
(M) (M3) (M3)									
DBH									
CL									
CM.									
40									
45									
50									
55									
60									
65									
70									
75									
80									
85									
90									
TOTAL OF AVERAGES									
PERCENT BY TREE CLASS									
TREES 12.5									
TREES 17.5									
TREES 22.5									
TREES 27.5									
TREES 32.5									
TOTAL OF AVERAGES									
PERCENT BY TREE CLASS									
TREES 12.5									
TREES 17.5									
TREES 22.5									
TREES 27.5									
TREES 32.5									

Figure 4.1 Extended Forest Type Stand and Stock Damage Report - Sample Listing (Partial).

4.3.2 Block Stand Damage Table - Sample Listing

FOREST REVENUE BRANCH - 2001.0		BLOCK STAND TABLE (STEMS/HA)		(007A) PAGE 42	
NOT FOR APPRAISAL PURPOSES DUE TO NON-STANDARD UTILIZATION		***** DOUBLE SAMPLING CRUISE *****		COMPUTED 2001-03-19 17:42:55	
LICENCE NO. CF7080		CP NO. 000		INSECT DAMAGE	
BLOCK 001		TOTAL MERCH AREA 12.5		USELESS VOLUMES EXCLUDED	
CLEARCUT 5.0 SELECTIVE		AVERAGE LINE			
NORMAL GREEN ATTACK		BALSAM - INSECT DAMAGE		TOTAL	
RED ATTACK GRAY ATTACK DEFOL - GEN DEFOL - GRAY					
MIN DBH	12.5				
STUMP HT	30.0				
TOP DIAT	10.0				
LOG LENGTH	5.0				
DBH CL					
15					
20					
25					
30					
35					
40	12.3	29.9		29.9	
45		18.9		18.9	31.2
50		9.1		9.1	9.1
55					
60					
65					
70					
75					
80					
85					
90					
95					
TOTAL	12.3	57.9			70.2
USELES					
DEAD P					
12.5 +	41.5	39.2			39.6
17.5 +	41.5	39.2			39.6
22.5 +	41.5	39.2			39.6
27.5 +	41.5	39.2			39.6
32.5 +	41.5	39.2			39.6

Figure 4.2 Block Stand Damage Table - Sample Listing (Partial).

4.3.3 Block Volume Summary Damage Report - Sample Listing

FOREST REVENUE BRANCH - 2001.0									
NOT FOR APPRAISAL PURPOSES DUE TO NON-STANDARD UTILIZATION *** DOUBLE SAMPLING CRUISE ****									
BLOCK SUMMARY									
(009B) PAGE 51									
COMPUTED 2001-03-19 17:42:57									
AVERAGE LINE									
LICENCE NUMBER CF7080 P.S.Y.U. 34-0									
CUTTING PERMIT 000 F.I.Z. J									
BLOCK NUMBER 001									
CLEARCUT 5.0 SELECTIVE									
UTILIZATION NORMAL DOWN									
COMPILATION TYPE 3									
MINIMUM DBH 12.5									
STUMP HEIGHT 30.0									
TOP DIAMETER 10.0									
LOG LENGTH 5.0									
VOLUME AND SIZE DATA									
GROSS MERCH VOLUME M3 1200.									
NET MERCH VOLUME M3 1026.									
NET MERCH./HECTARE M3 205.									
% DISTRIBUTION/HECTARE 69.									
DECAY % GROSS 9.									
WASTE % GROSS 3.									
WASTE(BILLING) % NET 4.									
BREAKAGE % GROSS 2.									
TOTAL CULL (DWB) % GROSS 15.									
STEMS/HA (GREEN & DP) 82.9									
SNAGS/HA (DU) 12.3									
AVG. DBH (GREEN&DP) CM 0.4									
AVG. DBH (SNAGS) CM 0.6									
GROSS MERCH VOL/TREE M3 2.91									
NET MERCH VOL/TREE M3 2.49									
AVG. WEIGHT TOTAL HT M 0.0									
AVG. WEIGHT MERCH HT M 0.0									
AVG. SN LOG NET MER M3 0.48									
AVG. # OF SN LOGS/TREE 5.34									
LUMBER AND CHIPS									
% NET MERCH - STUD LOG 20									
% NET MERCH - SMALL LOG 80									
% NET MERCH - LARGE LOG 10									
LRF SMALL LOGS BD FT/M3 3									
LRF LARGE LOGS BD FT/M3 2									
AVG LRF BD FT/M3 .26									
CHIP YIELD UNITS/M3									
ALGORITHM GRADE %									
#1 SNLOG 63.									
#3 SAWLOG 10.									
#4 CHIPPER 27.									
#5 CHIPPER 0.									
NO. OF BLOCKS 2									
NO. OF PLOTS USED (M/C) 6									
USELESS VOLUMES EXCLUDED									
ALBICAULIS PINE - UPROOTED DAMAGE									
SHATTERED TOTAL									
461.									
1742.									
390.									
1484.									
78.									
297.									
26.									
100.									
9.									
10.									
3.									
4.									
2.									
15.									
46.6									
135.5									
0.0									
0.0									
0.5									
0.4									
0.0									
0.6									
2.00									
2.58									
1.69									
2.20									
0.0									
0.0									
0.0									
0.38									
0.45									
4.53									
5.04									
48									
32									
52									
68									
4									
6									
3									
3									
2									
.27									
55.									
62.									
27.									
14.									
0.									
19.									
18.									
5.									

Figure 4.3 Block Volume Summary Damage Report - Sample Listing.