The Appraisal Summary Reports combine appraisal information from the Volume summaries (Chapter 12) and the Harvesting Method summaries (Chapter 13). There are separate reports for Coast and Interior compilations.

Produce the Appraisal Summary Report even if the compilation does not meet appraisal standards.

When appropriate, these messages will be reported on all Appraisal Summary Reports: For Appraisal Purposes, Not for Appraisal Purposes, Sale is in the wet belt, Sale is in the dry belt, 100% Cruise, Stump Cruise.

14.1 Appraisal Summary - Coast

14.1.1 Header information

Include the following header information for the Coast Appraisal Summary Report.

- 1. License from card type A.
- 2. Cutting Permit from card type A.
- 3. Locality description from card type A.
- 4. Cruiser or agency from card type A.
- 5. Forest Inventory Zone and Unit (long name) from card type A.
- 6. Number of Blocks from card type A.
- 7. Total merchantable area from card type A.
- 8. Second growth percent* from the All Method report.
- 9. Second growth net volume (m³) for the cutting authority.

*The second growth percent and net volume reported is for coniferous species only.

14.1.2 Detail Information

Report the following detail information for the Coast Appraisal Summary Report.

14.1.2.1 Species Grade Percent Table

Each row of the table would report the algorithm grade percent for a particular species from the All Method report (see Chapter 13). The reported species are:

- 1. Alder.
- 2. Balsam.
- 3. Cedar.
- 4. Cottonwood.

14-2 July 1, 2014

- 5. Cypress.
- 6. Fir.
- 7. Hemlock.
- 8. Lodgepole Pine.
- 9. Spruce.
- 10. White Pine (Albicaulis Pine).
- 11. Maple.
- 12. Birch.
- 13. Total.

The following information will be reported for each species:

- 1. Each grade percent.
- 2. The total net merchantable volume for each species and total from the All Method Report (see Chapter 13). Report the whole number.
- 3. Net Volume per Hectare and Net Volume All (tree classes 1, 2, 3, 5, 7, 8, 9): Report the net merchantable volume for each species and total from the All Method Summary. Report the number to 3 decimal places.
- 4. Net Volume per Hectare and Net Volume Live (tree classes 1, 2, 5, 8): Report the net merchantable volume for each species and total from the All Method Summary. Report the number to 3 decimal places.
- 5. Net Volume per Hectare and Net Volume Dead Potential (tree classess 3, 7, 9): Report the net merchantable volume for each species and total from the All Method Summary. Report the number to 3 decimal places.

14.1.2.2 Harvesting Method Parameter Table

Report each of these parameters for each Harvesting Method. The source of the data is the individual Harvesting Method report described in Chapter 13. Use the same number of significant digits that are used for the Harvesting Method Report parameters.

Net volume Report the total net merchantable volume from the Harvesting Method Summary.

Net Volume per 10 m Use a 10 m log for coast appraisal cruises.

Log

Net Merchantable Report the total net merchantable volume per hectare from the Harvesting Method summary.

Partial Cut Percent Divide the post-reduction net merchantable volume by the pre-

reduction net merchantable volume and multiply by 100.

Report this parameter for reduction compilations only.

Report to nearest whole number.

Example 14.1

For Harvesting Method 'SS', the pre-reduction net merchantable volume is 2367 m³. The post-reduction net merchantable volume is 1696 m³.

The partial cut percent is 100 * (1696 / 2367) = 72 percent

Average Slope Percent Report the average slope percent from the Harvesting Method

Report.

Down Tree Percent Report the percent blowdown volume - net from the Harvesting

Method Report.

Heavy Fire Percent Report the percent heavy fire volume - net from the Harvesting

Method Report.

14.1.2.3 Cutting Permit Parameters

Report each of the following parameters from the Cutting Permit volume summary report (see Chapter 12).

95 Percent Confidence Report the 95 percent confidence interval from the Cutting Interval Permit statistical summary. Always report pre-reduction values.

Trees per Plot Report the average number of trees per plot (excluding tree

class 4 and 6) from the Cutting Permit Statistical Summary.

Percent Immature by Report the percent immature parameter from the Block Volume

Block Summaries.

Plots per Hectare Report the plots per hectare (including count plots) from the

Cutting Permit Statistical Summary.

14-4 July 1, 2014

14.1.2.4 All Method Parameters

Net volume per tree Report net volume per tree from the All Method Summary.

Net volume per Report the Net volume per hectare from the All Method

hectare Summary.

NHSVPH Report the coniferous, non-helicopter partial cut, net

volume/hectare. Heli single standing stem is a partial cut

harvest method.

Conventional Slope Report total weighted non-helicopter Harvest Method Slope.

Example 14.2

NHSVPH:

Harvest Method	Total Net Coniferous Volume (m³)	Area (ha.)
CC	10,000	20
CS	5,000	20
HL	2,500	15
SL	500	10
FL	50	10
HW	2,500	15
SW	500	10
FW	50	10

Sum the cutting permit's non-helicopter partial cut Harvest Method's coniferous volumes.

$$10,000 + 5,000 + 2,500 + 2,500 = 20,000 \,\mathrm{m}^3$$

Sum the cutting permit's non-helicopter partial cut Harvest Method's areas.

$$20 + 20 + 15 + 15 = 70 \text{ ha.}$$

Divide the sum of the volumes by the sum of the areas.

$$20,000 / 70 = 285.71 \text{ m}^3/\text{ha}.$$

Report to 2 decimal places.

Example 14.3

Conventional Slope:

Cable Twenty-five hectares, average slope = 40 percent.

Ground Skidding Twenty-five hectares, average slope = 20 percent.

Helicopter Fifty hectares, average slope = 80 percent.

= (25*40 + 25*20)/(25 + 25) = 30 %.

14-6 July 1, 2014

14.2 Coast Appraisal Summary - Sample Listing

*** FOR APPRAISAL PURPOSES ***										APPSM- 1
Average Line Method		Grades	MOF CC	Grades: MOF Computerized		Appraisal Summary Report	Report	114	_ , 1	04-Mar-2014 01:12:48PM Filename: CoastMtnDist_CoastTest_Mar2014
Licence Number: A99999 CP: 123 Project: Location : DSR TEST	23	Compute Compute Compute No Of B	Computerized Decay Computerized Waste Computerized Breaks No Of Blocks : 1	Computerized Decay Computerized Waste Computerized Breakage No Of Blocks : 1		Region Distri	PSIU: Skeena (Terrace) Region: 8 - Skeena District: 09 - Coast Mountain	ace) st Mountain		Compiled by: 1FS Cruised by: DEP Version: 2013.02 IFS build 5858
Utilization Levels:	Minimum DBH		Top Diameter		Stump Height					
Mature Blocks: (cm) Immature Blocks:(cm)	17.5	0.0	15	15.0	30					
Standard Log Length: (m)	10.00	00								
Net Area: [All Treatment Units	: 2.0	-								
All Method Summary Algorithm Grades %	0	E	-	>	>	Met Uellume (m2)	(4)	4016	Not Volume / he	1
ption				<				All	Live	DP
SP Spruce 4 Total	6 4	12 31 2	25 3	12	3 2387	1979	408	1193.473	989.407	204.066
Harvesting Method Summaries	Not	Net Vol		Net Vol	Hem	Partial	Slopes	Down	Heavy	
Harvest Method	Volume	/10m Log		Hectare	Balt	Cut*	4	Trees	Fires	
20	2387	3.12		1193.473	0		43	14	0	
Conventional Methods All Methods	2387	3.12		1193.473	00		43	14	00	
Cutting Authority 914 Confidence Interval 92.0 Cruised Treas/Plot 88.1 92.0 Cruised Treas/Plot 88.1 93.0 Cruised CoxthConfier \$ 88.1 93.0 Cruised Treas/Plot 88.1 93.0 Cruised CoxthConfier \$ 93.1 1036 Net Immature by Block \$ (m2) \$ 1036 Not Hell Schett Corfier (m3) \$ 1036 Not Hell Schett Corfier (m3) \$ 103.4 Hell Schett Coxtla (decimal) 10.00 11.0 12.0 13.12 Cruise Date (yy-mm):	ha) 10g) 0 # 3	88.1 3.0 3.3 43.4 43.4 1036 103.47 0.00 0.00 0.00 3.12 0.314 > 5yrs:	0 # >	# > 10yrs:	6 # no date: Plots Only, D.	te: 0 , Damage,				

Figure 14.1 Coast Appraisal Summary - Sample Listing.

14.3 Appraisal Summary - Interior

14.3.1 Header Information

Include the following header information for the Interior Appraisal Summary Report.

- 1. License from card type A.
- 2. Cutting Permit from card type A.
- 3. Locality description from card type A.
- 4. Cruiser or agency from card type A.
- 5. Forest Inventory Zone and Unit (long name) from card type A.
- 6. Number of Blocks from card type A.
- 7. Total merchantable area from card type A.
- 8. Horse Logging net volume*.
- 9. Helicopter clear cut net volume*.
- 10. Helicopter partial cut net volume*.

*The total net merchantable volume from the individual Harvesting Method Reports.

14.3.2 Detail Information

Report the following detail information for the Interior Appraisal Summary Report.

14.3.2.1 Species Parameter Table

Report each of the following parameters from the All Method summary for the following Species:

- 1. Balsam.
- 2. Cedar.

14-8 July 1, 2014

- 3. Fir.
- 4. Hemlock.
- 5. Larch.
- 6. Lodgepole Pine.
- 7. Spruce.
- 8. Yellow Pine (Ponderosa Pine).
- 9. White Pine.
- 10. Whitebark Pine.
- 11. Conifer combine all coniferous Species in the compilation.
- 12. Total.

Net Volume	Report the net merchantable volume for each species, conifer and total from the All Method Summary.
Net Volume per Hectare and Net Volume - All (tree classes 1, 2, 3, 5, 7, 8, 9):	Report the net merchantable volume for each species, conifer and total from the All Method Summary. Report the number to 3 decimal places.
Net Volume per Hectare and Net Volume - Live (tree classes 1, 2, 5, 8):	Report the net merchantable volume for each species, conifer and total from the All Method Summary. Report the number to 3 decimal places.
Net Volume per Hectare and Net Volume - Dead Potential (tree classes 3, 7, 9):	Report the net merchantable volume for each species, conifer and total from the All Method Summary. Report the number to 3 decimal places.
Percent Decay	Report the percent decay - net from the All Method Summary.

Stud Log Percent Report the percent stud log volume - net from the All

Method Summary.

LRF Report the Average LRF from the All Method Summary.

Burn Percent Report the percent fire damage volume - net from the All

Method Summary.

14.3.2.2 Harvesting Method Parameter Table

Report each of the following parameters from the Harvesting Method summaries as described in chapter 13. Use the same number of significant digits for each parameter.

Lodgepole Pine

Highlead/Grapple Harvest Methods

volume for

Net volume	Report the total net merchantable volume from the Harvesting Method Summary.
Average Slope Percent	Report the average slope percent from the Harvesting Method Summary.
Net Volume per Tree	Report the net merchantable volume per tree from the Harvesting Method Summary.
Net Volume per hectare	Report the net merchantable volume per hectare from the Harvesting Method Summary.
Stand Defect Percent	Report the percent total cull from the Harvesting Method Summary.
Partial Cut Percent	Divide the post-reduction net merchantable volume by the pre- reduction net merchantable volume and multiply by 100.
	Report this parameter for reduction compilations only.
	Report to nearest whole number.
All Fire Percent	Report the percent fire volume - net from the Harvesting Method Report.
Heavy Fire Percent	Report the percent heavy fire volume - net from the Harvesting Method Report.
Down Tree Percent	Report the percent blowdown volume - net from the Harvesting Method Report.
Dead Useless Percent	Report the percent dead useless trees from the Harvesting Method Report.

14-10 July 1, 2014

This attribute is obsolete.

 $Lodge pole\ Pine\ volume\ for\ Highlead/Grapple\ Harvest\ Methods.$

14.3.2.3 All Method Parameter Table

Report each of the following parameters from the All Method summaries as described in chapter 13.

Net volume per tree Report net volume per tree from the All Method Summary.

Net volume per hectare Report the Net volume per hectare from the All Method

Summary.

Slope Report the slope from the All Method Summary.

Cruise Dates (yy/mm) oldest date on the tally cards:

Total # of Plots #</=5years #>5years #>10 years #No Date

14.3.2.4 Appraisal Summary Page - Insect Damage Table

Report the following attributes in a tabular format below the Lodgepole Pine Harvesting Method attributes on the Interior Appraisal Summary Page:

Cutting Permit PL green attack net merchantable volume (m³)

This is the Pl insect code 1 (green attack) net merchantable volume reported in the "Cutting Permit Damage Summary (Insect) - All Treatment Unit" report.

Cutting Permit PL red attack net merchantable volume (m³)

This is the Pl insect code 2 (red attack) net merchantable volume reported in the "Cutting Permit Damage Summary (Insect) - All Treatment Unit" report.

Cutting Permit PL grey attack net merchantable volume (m³)

This is the Pl insect code 3 (grey attack) net merchantable volume reported in the "Cutting Permit Damage Summary (Insect) - All Treatment Unit" report.

All other species insect and defoliator attack net merchantable volumes

This is the sum of the non-Pl insect codes 1, 2, 3, 5, 6, 7, 8, X, Y beetle and defoliator net merchantable volume reported in the "Cutting Permit Damage Summary (Insect) - All Treatment Unit" reports. Do not include the "Normal" category in the sum of the net merchantable volume.

All other species insect and defoliator attack net merchantable volumes This is the sum of the non-Pl insect codes 1, 2, 3, 5, 6, 7, 8, X, Y beetle and defoliator net merchantable volume reported in the "Cutting Permit Damage Summary (Insect) - All Treatment Unit" reports.

Do not include the "Normal" category in the sum of the net merchantable volume.

Refer to Figure 14.4 for the format of the new Interior Appraisal Summary page.

14.3.2.5 Appraisal Summary Page – Lodgepole Pine Insect Damage by Block

Report the following attributes in a tabular format beside the Insect Damage Table on the Interior Appraisal Summary Page:

Report the lodgepole pine (Pl) net volume percent in each block that is red and grey attack. Divide the Pl red and grey attack net volume in each block by the total coniferous volume in each block and multiply by 100. The volume is expressed as percent (%) to one decimal place.

14-12 July 1, 2014

14.4 Interior Appraisal Summary – Sample Listing

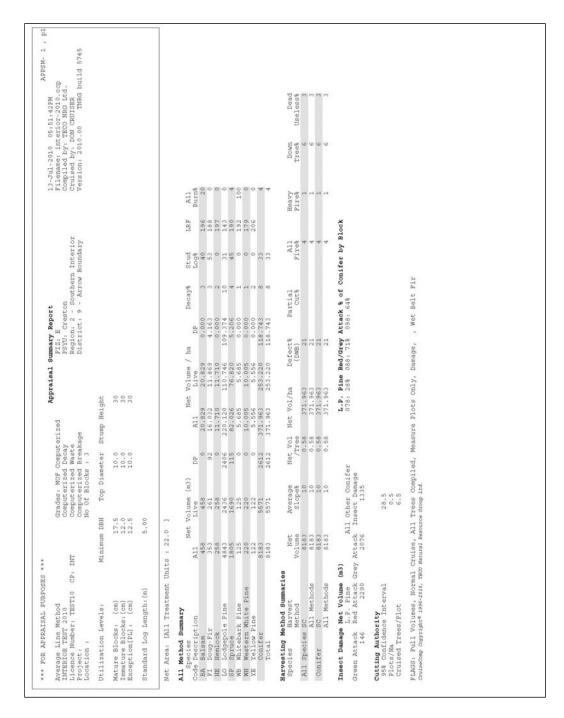


Figure 14.2 Interior Appraisal Summary – Sample Listing..

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14-14 July 1, 2014